

James P. Bowers, PE
R. William Rudolph, Jr., PE

ALCO
HAZMAT
94 JUN 10 PM 4:05

LETTER OF TRANSMITTAL

TO: Ms. Susan Hugo
Alameda County Health Care Services Agency
Division of Hazardous Materials
80 Swan Way, #200
Oakland, CA 94612

DATE: June 10, 1994
PROJECT: 6707 Bay Street
SCI JOB NUMBER: 820.001

WE ARE SENDING YOU:

1 copies

- | | |
|---|---|
| <input type="checkbox"/> of our final report | <input type="checkbox"/> if you have any questions, please call |
| <input type="checkbox"/> a draft of our report | <input type="checkbox"/> for your review and comment |
| <input type="checkbox"/> a Service Agreement | <input type="checkbox"/> please return an executed copy |
| <input type="checkbox"/> a proposed scope of services | <input type="checkbox"/> for geotechnical services |
| <input type="checkbox"/> specifications | <input type="checkbox"/> with our comments |
| <input type="checkbox"/> grading/foundation plans | <input type="checkbox"/> with Chain of Custody documents |
| <input type="checkbox"/> soil samples/groundwater samples | <input checked="" type="checkbox"/> for your use |
| <input type="checkbox"/> an executed contract | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

REMARKS: Analytical test results for Summary of Environmental/Remediation report dated May 23, 1994

COPIES TO:

BY: Mark Kawakami
Mark Kawakami (signature)

Subsurface Consultants, Inc.

DRUM STORAGE AREA

CERTIFICATE OF ANALYSIS

State License No. 211

Received: 04/26/89

Reported: 06/07/89

Job No #: 70800

Attn: George Wilson
 Mike Roberts Color Productions
 6707 Bay Street
 Emeryville, CA.

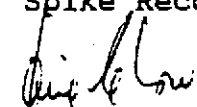
Project: Mike Roberts Color Productions

Aromatic Volatile Hydrocarbon Analysis:
 EPA Method 8020
 mg/kg

Lab ID	Client ID	Benzene	Toluene	MDL
70800-1	IS1- 3.5'	ND<0.03	0.06	0.03
70800-2	IS1- 7.0'	ND<0.03	0.20	0.03
70800-3	IS1-10.5'	0.24	1.3	0.06
70800-4	IS1- 3.0'	ND<0.03	0.25	0.03
70800-5	IS1- 8.5'	0.14	0.10	0.03

Lab ID	Client ID	Ethylbenzene	Xylene	MDL
70800-1	IS1- 3.5'	ND<0.03	0.04	0.03
70800-2	IS1- 7.0'	ND<0.03	0.07	0.03
70800-3	IS1-10.5'	1.8	11	0.06
70800-4	IS1- 3.0'	ND<0.03	0.10	0.03
70800-5	IS1- 8.5'	1.4	4.5	0.03

QA/QC: Spike Recovery for BTX Average: 125%



 Jaime Chow
 Laboratory Director

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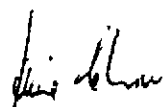
Project: Mike Roberts Color Production

Total Petroleum Hydrocarbon Analysis: By Modified Method 8015
Oil & Grease Analysis: By Standard Method 503D
mg/kg

Lab ID	Client ID	TPH as Diesel	TPH as Gasoline	Oil & Grease	PCB's
70800-1	IS1- 3.5'	46	ND<10	1915	0.4
70800-2	IS1- 7.0'	200	ND<10	3390	0.7
70800-3	IS1-10.5'	ND<10	300	2185	ND<0.5
70800-4	IS2- 3.0'	50	ND<10	1305	0.2
70800-5	IS2- 8.5'	ND<10	ND<10	36,535	ND<0.5

QA/QC: Spike Recovery for Gasoline: 107%
Spike Recovery for Oil & Grease: 99%
Spike Recovery for PCB's: 110%

Detection Limit for TPH: 10
Detection Limit for Oil & Grease: 50
Detection Limit for PCB: 0.5



Jaime Chow
Laboratory Director

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Reported: 01/20/89

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 Mike Roberts Color Production
 6707 Bay Street
 Emeryville, CA.

Project: Mike Roberts Color Production

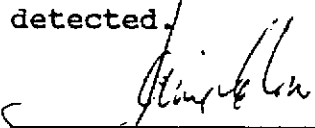
Halogenated Volatile Organics Analysis:
 EPA Method 8010
 mg/kg

Lab ID	Client ID	Chloro -methane	Bromo -methane	Vinyl Chloride	Chloro -ethane	MDL
70800-1	IS1 - 3.5'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-2	IS1 - 7.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-3	IS1 - 10.03'	ND<0.06	ND<0.06	ND<0.06	ND<0.06	0.06
70800-4	IS2 - 3.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-5	IS2 - 8.5'	ND<0.15	ND<0.15	ND<0.15	ND<0.15	0.15

Lab ID	Client ID	Methylene Chloride	1,1- dichloro -ethene	1,1- dichloro -ethane	Trans-1,2 dichloro -ethene	MDL
70800-1	IS1 - 3.5'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-2	IS1 - 7.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-3	IS1 - 10.03'	ND<0.06	ND<0.06	ND<0.06	ND<0.06	0.06
70800-4	IS2 - 3.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-5	IS2 - 8.5'	ND<0.15	ND<0.15	ND<0.15	ND<0.15	0.15

QA/QC: Spike Recovery Average: 109%

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


 Jaime Chow
 Laboratory Director

OUTSTANDING QUALITY AND SERVICE
 CALIFORNIA STATE CERTIFIED LABORATORY

MRCP 00620

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND CA 94806

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

Mike Roberts Color Productions
Job No. 70800

Page 2 of 2

Lab ID	Client ID	Chloro -form	1,2- dichloro -ethane	1,1,1- Trichloro -ethene	Carbon Tetra- Chloride	MDL
70800-1	IS1 - 3.5'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-2	IS1 - 7.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-3	IS1 - 10.03'	ND<0.06	0.5	ND<0.06	ND<0.06	0.06
70800-4	IS2 - 3.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-5	IS2 - 8.5'	ND<0.15	<0.15	ND<0.15	ND<0.15	0.15

Lab ID	Client ID	Bromo- dichloro -methane	1,2- dichloro -propene	Tri- Chloro -ethene	Dibromo -chloro -methane	MDL
70800-1	IS1 - 3.5'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-2	IS1 - 7.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-3	IS1 - 10.03'	ND<0.06	ND<0.06	0.3	ND<0.06	0.06
70800-4	IS2 - 3.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-5	IS2 - 8.5'	ND<0.15	ND<0.15	<0.15	ND<0.15	0.15

Lab ID	Client ID	1,1,2- Trichloro -ethane	Trans-1,3 dichloro -propene	2-Chloro -ethyl Vinyl ether	Bromo -form	MDL
70800-1	IS1 - 3.5'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-2	IS1 - 7.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-3	IS1 - 10.03'	ND<0.06	ND<0.06	ND<0.06	ND<0.06	0.06
70800-4	IS2 - 3.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-5	IS2 - 8.5'	ND<0.15	ND<0.15	ND<0.15	ND<0.15	0.15

Lab ID	Client ID	Tetra- chloro- -ethene	1,1,2,2- tetra- chloro -ethane	Chloro- benzene	1,3- dichloro -benzene	MDL
70800-1	IS1 - 3.5'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-2	IS1 - 7.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-3	IS1 - 10.03'	ND<0.06	ND<0.06	0.11	ND<0.06	0.06
70800-4	IS2 - 3.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-5	IS2 - 8.5'	ND<0.15	ND<0.15	ND<0.15	ND<0.15	0.15

Lab ID	Client ID	1,2- dichloro -benzene	1,4- dichloro -benzene	Dichloro -difluoro methane	Trichloro- fluoro- methane	MDL
70800-1	IS1 - 3.5'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-2	IS1 - 7.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-3	IS1 - 10.03'	ND<0.06	ND<0.06	ND<0.06	ND<0.03	0.06
70800-4	IS2 - 3.0'	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70800-5	IS2 - 8.5'	ND<0.15	ND<0.15	ND<0.15	ND<0.15	0.15

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

MRCP 00621

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 04/26/89

Reported: 06/05/89

Job #: 70800

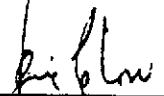
Attn: George Wilson
 Mike Roberts Color Productions
 6707 Bay Street
 Emeryville, CA.

Analysis Method EPA 6010
 Prep Method EPA 3050
 mg/kg

Lab ID #: 70800-1 70800-2 70800-3 70800-4 70800-5
 Client ID: IS1-3.5' IS1-7.0' IS1-10.5' IS12-3.0' IS2-8.5'

METAL						MDL	% SPIKE RECOVERY
Tl	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	2.2	68
As	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	2.2	74
Hg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.0	80
Se	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.0	NA
Mo	1.2	ND<1.0	3.7	1.2	ND<1.0	1.0	NA
Sb	6.5	1.4	1.6	ND<1.0	ND<1.0	1.0	NA
Zn	200	48.9	5400	270	22.9	0.15	68
Cd	4.1	4.2	10.2	3.2	1.5	0.3	70
Pb	100	130	4300	90	5.3	1.1	78
Co	5.6	6.4	11.4	6.0	2.8	0.5	70
Ni	32.1	31.5	42.6	30.9	15.5	0.65	NA
Cr	20.1	21.5	63.8	18.5	6.6	0.15	68
V	15.4	17.3	17.3	15.6	6.7	0.1	74
Be	0.05	ND<0.025	ND<0.025	0.025	ND<0.025	0.025	88
Cu	70	104	1042	56.7	13.8	0.1	82
Ag	15.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.1	70
Ba	110	130	255	90	35.7	0.1	86

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


 Jaime Chow
 Laboratory Director

OUTSTANDING QUALITY AND SERVICE
 CALIFORNIA STATE CERTIFIED LABORATORY

MRCP 00622

CHAIN OF CUSTODY RECORD

70800

PROJ. NO.	SAMPLE(S) AS (Signature) <i>Keith Jay</i>					ANALYSIS REQUESTED TOTAL PETROLEUM HYDROCARBONS BTEX VOC-EPA 8240 TOTAL OIL & GREASE TETRAETHYL LEAD					
PROJECT NAME AND ADDRESS: MIKE ROBERTS COLOR PRODUCTIONS 6707 BAY ST. EMERYVILLE, CA											
CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION						
TS1-35	4-26-89	1:00P	X		WEST OF BARREL STORAGE						
TS1-7	4-26-89	1:35P	X		"						
TS1-105	4-26-89	1:50P	X		"						
TS2-3'	4-26-89	2:00P	X		NW OF BPL STORAGE						
TS2-85'	4-26-89	2:10P	X		"						
					"						
RELINQUISHED BY: (Signature)				DATE	RECEIVED BY: (Signature)				DATE		
<i>Keith Jay</i>				4-26-89							
RELINQUISHED BY: (Signature)				TIME	RECEIVED BY: (Signature)				TIME		
				2:50PM							
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)				DATE		
									4/26/89		
				TIME	<i>Raj Pandher</i>				TIME	2:50P	

MENTAL & OCCUPATIONAL HEALTH SERVICES

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

LABORATORY ANALYSIS REPORT

CALDVEER ASSOCIATES, INC.
25 ROLAND WAY
OAKLAND, CA 94621

ATTN: RANDY ROWLEY

CLIENT PROJECT NO: KE1094-2

REPORT DATE: 07/28/89


DATE SAMPLED: 07/13/89

DATE RECEIVED: 07/13/89

MED-TOX JOB NO: 8907080

ANALYSIS OF: ONE SOIL SAMPLE FOR PRIORITY POLLUTANT METALS,
BTXE AND TOTAL PETROLEUM HYDROCARBONS, ORGANO-
CHLORINE PESTICIDES AND PCBs, VOLATILE ORGANICS,
AND GC/MS EXTRACTABLES; ONE SOIL SAMPLE FOR BTXE
AND TOTAL PETROLEUM HYDROCARBONS

See attached for results


Michael Lynch, Manager
Organic Laboratory

KALDVEER ASSOCIATES, INC.

CLIENT ID: SS-1
CLIENT JOB NO: KE 1094-2
DATE RECEIVED: 07/13/89

MED-TOX LAB NO: 8907080-03A
MED-TOX JOB NO: 8907080
REPORT DATE: 07/28/89

PRIORITY POLLUTANT METALS

CODE	METAL	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)	METHOD REFERENCE
b	Antimony	ND	5	7040
s	Arsenic	4.0	0.5	7060
e	Beryllium	0.4	0.2	7090
d	Cadmium	1.4	0.2	7130
r	Chromium	39	1	7190
u	Copper	140	0.5	7210
Pb	Lead	470	1	7420
Hg	Mercury	0.4	0.2	7471
Ni	Nickel	47	0.5	7520
Se	Selenium	ND	2	7740
Ag	Silver	ND	0.3	7760
Tl	Thallium	ND	3	7840
Zn	Zinc	660	2	7950

ND = Not detected at or above indicated method detection limit

Note: Missing page 3 is from an
unrelated investigation

KALDVEER ASSOCIATES, INC.

CLIENT ID: SS-1
CLIENT JOB NO: KE 1094-2

MED-TOX LAB NO: 8907080-03A
MED-TOX JOB NO: 8907080
DATE EXTRACTED: 07/26/89

DATE SAMPLED: 07/13/89
DATE RECEIVED: 07/13/89

DATE ANALYZED: 07/26-27/89
REPORT DATE: 07/28/89

BTXE AND TOTAL PETROLEUM HYDROCARBONS

METHOD: EPA 8020, 8015 (PURGE & TRAP AND EXTRACTION)

	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	ND	1,000
Toluene	110,000	1,000
Ethylbenzene	18,000	1,000
Xylenes	290,000	3,000

TOTAL PETROLEUM HYDROCARBONS AS:

Gasoline	ND mg/kg	4,000 mg/kg
Stoddard	4,300 mg/kg	1,000 mg/kg
te 011	8,100 mg/kg	2,000 mg/kg

ND - Not detected at or above indicated method detection limit

KALDVEER ASSOCIATES, INC.

ENT ID: SS-1
ENT JOB NO: KE 1094-2
E SAMPLED: 07/13/89
E RECEIVED: 07/13/89

MED-TOX LAB NO: 8907080-03A
MED-TOX JOB NO: 8907080
DATE EXTRACTED: 07/26/89
DATE ANALYZED: 07/26-27/89
REPORT DATE: 07/28/89

EPA METHOD 8080
ORGANOCHLORINE PESTICIDES AND PCBs

POUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
irri.	309-00-2	ND	300
pha-BHC	319-84-6	ND	300
ta-BHC	319-85-7	ND	300
lta-BHC	319-86-8	ND	300
ma-BHC (Lindane)	58-89-9	ND	300
lordane	57-74-9	ND	3,000
4'-DDD	72-54-8	ND	500
4'-DDD	53-19-0	ND	500
4'-DDE	72-55-9	ND	500
4'-DDE	3424-82-6	ND	500
4'-DOT	50-29-3	ND	500
4'-DOT	789-02-6	ND	500
eldrin	60-57-1	ND	500
dosulfan I	959-98-8	ND	300
dosulfan II	33212-65-9	ND	500
dosulfan sulfate	1031-07-8	ND	500
drin	72-20-8	ND	500
drin aldehyde	7421-93-4	ND	500
ptachlor	76-44-8	ND	300
ptachlor epoxide	1024-57-3	ND	300
thoxychlor	72-43-5	ND	500
xaphene	8001-35-2	ND	3,000
B-1016	12674-11-2	ND	50
B-1	11104-28-2	ND	50
B-1252	11141-16-5	ND	50
B-1242	53469-21-9	ND	50
B-1248	12672-29-6	ND	50
B-1254	11097-69-1	ND	50
B-1260	11096-82-5	1,300	50

- Not detected at or above method detection limit

KALDVEER ASSOCIATES, INC.

CLIENT ID: SS-1
 CLIENT JOB NO: KE 1094-2
 DATE SAMPLED: 07/13/89
 DATE RECEIVED: 07/13/89

MED-TOX LAB NO: 8907080-03A
 MED-TOX JOB NO: 8907080
 DATE ANALYZED: 07/24/89
 REPORT DATE: 07/28/89

EPA METHOD 8240
 GC/MS VOLATILE ORGANICS

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
acetone	67-64-1	150,000	50,000
benzene	71-43-2	ND	3,000
bromodichloromethane	75-27-4	ND	3,000
formaldehyde	75-25-2	ND	3,000
propane	74-83-9	ND	5,000
-Butanone	78-93-3	ND	50,000
carbon Disulfide	75-15-0	ND	5,000
carbon Tetrachloride	56-23-5	ND	3,000
chlorobenzene	108-90-7	ND	3,000
chloroethane	75-00-3	ND	5,000
-Chloroethyl Vinyl Ether	110-75-8	ND	5,000
chloroform	67-66-3	ND	3,000
chloromethane	74-87-3	ND	5,000
dibromochloromethane	124-48-1	ND	3,000
1,1-Dichloroethane	75-34-3	ND	3,000
1,2-Dichloroethane	107-06-2	ND	3,000
1,1-Dichloroethene	75-35-4	ND	3,000
1,2-Dichloroethene, total	540-59-0	ND	3,000
1,2-Dichloropropane	78-87-5	ND	3,000
cis-1,3-Dichloropropene	10061-01-5	ND	3,000
trans-1,3-Dichloropropene	10061-02-6	ND	3,000
ethylbenzene	100-41-4	34,000	3,000
-Hexanone	591-78-6	ND	30,000
ethylene Chloride	75-09-2	ND	3,000
-Methyl-2-pentanone	108-10-1	ND	30,000
styrene	100-42-5	ND	5,000
1,1,2,2-Tetrachloroethane	79-34-5	ND	3,000
tetrachloroethene	127-18-4	ND	3,000
toluene	108-88-3	200,000	3,000
1,1,1-Trichloroethane	71-55-6	ND	3,000
1,1,2-Trichloroethane	79-00-5	ND	3,000
trichloroethene	79-01-6	ND	3,000
Vinyl Acetate	108-05-4	ND	30,000
Vinyl Chloride	75-01-4	ND	5,000
olefins, total	1330-20-7	390,000	5,000

KALDVEER ASSOCIATES, INC.

CLIENT ID: SS-1
CLIENT JOB NO: KE 1094-2
DATE SAMPLED: 07/13/89
DATE RECEIVED: 07/13/89

MED-TOX LAB NO: 8907080-03A
MED-TOX JOB NO: 8907080
DATE EXTRACTED: 07/27/89
DATE ANALYZED: 07/27/89
REPORT DATE: 07/28/89

EPA METHOD 8270
BASE NEUTRAL EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Acenaphthene	83-32-9	ND	1700
Acenaphthylene	208-96-8	ND	1700
Anthracene	120-12-7	ND	1700
Benzidine	92-87-5	ND	8000
Benzoic Acid	65-85-0	ND	8000
Benzo(a)anthracene	56-55-3	ND	1700
Benzo(b)fluoranthene	205-99-2	ND	1700
Benzo(k)fluoranthene	207-08-9	2,600	1700
Benzo(g,h,i)perylene	191-24-2	ND	1700
Benzo(a)pyrene	50-32-8	ND	1700
Benzyl Alcohol	100-51-6	ND	3300
Bis(2-chloroethoxy) methane	111-91-1	ND	1700
Bis(2-chloroethyl)ether	111-44-4	ND	1700
Bis(2-chloroisopropyl) ether	39638-32-9	ND	1700
Bis(2-ethylhexyl) phthalate	117-81-7	ND	1700
4-Bromophenyl phenyl ether	101-55-3	ND	1700
Butylbenzyl phthalate	85-68-7	ND	1700
4-Chloroaniline	106-47-8	ND	3300
2-Chloronaphthalene	91-58-7	ND	1700
4-Chlorophenyl phenyl ether	7005-72-3	ND	1700
Chrysene	218-01-9	ND	1700
Dibenzo(a,h)anthracene	53-70-3	ND	1700
Dibenzofuran	132-64-9	ND	1700
Di-n-butylphthalate	84-74-2	ND	1700

KALDVEER ASSOCIATES, INC.

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 CLIENT JOB NO: KE 1094-2
 DATE SAMPLED: 07/13/89
 DATE RECEIVED: 07/13/89

MED-TOX LAB NO: 8907080-03A
 MED-TOX JOB NO: 8907080
 DATE EXTRACTED: 07/27/89
 DATE ANALYZED: 07/27/89
 REPORT DATE: 07/28/89

EPA METHOD 8270
 BASE NEUTRAL EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
1,3-Dichlorobenzene	541-73-1	ND	1700
1,4-Dichlorobenzene	106-46-7	ND	1700
3,3'-Dichlorobenzidine	91-94-1	ND	3300
Diethylphthalate	84-66-2	ND	1700
Dimethylphthalate	131-11-3	ND	1700
2,4-Dinitrotoluene	121-14-2	ND	1700
2,6-Dinitrotoluene	606-20-2	ND	1700
Di-n-octylphthalate	117-84-0	ND	1700
1,2-Diphenylhydrazine	122-66-7	ND	1700
Fluoranthene	206-44-0	ND	1700
Fluorene	86-73-7	ND	1700
Hexachlorobenzene	118-74-1	ND	1700
Hexachlorobutadiene	87-68-3	ND	1700
Hexachlorocyclopentadiene	77-47-4	ND	1700
Hexachloroethane	67-72-1	ND	1700
Indeno(1,2,3-cd)pyrene	193-39-5	ND	1700
Isophorone	78-59-1	2,100	1700
2-Methylnaphthalene	91-57-6	4,300	1700
Naphthalene	91-20-3	3,700	1700
2-Nitroaniline	88-74-4	ND	8000
3-Nitroaniline	99-09-2	ND	8000
4-Nitroaniline	100-01-6	ND	8000
Ni benzene	98-95-3	3,200	1700
N-nitrosodimethylamine	62-75-9	ND	1700
N-nitrosodiphenylamine	86-30-6	ND	1700
N-nitroso-di-n-propylamine	621-64-7	ND	1700
Phenanthrene	85-01-8	ND	1700
Pyrene	129-00-0	2,000	1700

KALDVEER ASSOCIATES, INC.

CLIENT ID: SS-1
CLIENT JOB NO: KE 1094-2
DATE SAMPLED: 07/13/89
DATE RECEIVED: 07/13/89

MED-TOX LAB NO: 8907080-03A
MED-TOX JOB NO: 8907080
DATE EXTRACTED: 07/27/89
DATE ANALYZED: 07/27/89
REPORT DATE: 07/28/89

EPA METHOD 8270
ACID EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
4-Chloro-3-methylphenol	59-50-7	ND	1700
2-Chlorophenol	95-57-8	ND	1700
2,4-Dichlorophenol	120-83-2	ND	1700
2,4-Dimethylphenol	105-67-9	ND	1700
4,6-Dinitro-2-methylphenol	534-52-1	ND	8000
2,4-Dinitrophenol	51-28-5	ND	8000
2-Methylphenol	95-48-7	ND	1700
4-Methylphenol	106-44-5	ND	1700
2-Nitrophenol	88-75-5	ND	1700
4-Nitrophenol	100-02-7	ND	8000
Pentachlorophenol	87-86-5	ND	8000
Phenol	108-95-2	ND	1700
2,4,5-Trichlorophenol	95-95-4	ND	1700
2,4,6-Trichlorophenol	88-06-2	ND	1700

ND - Not detected at or above indicated method detection limit

uber: 114-2
 Project Name: Bay Street Emeryville

Name (printed): Robert D. Burby

Date	Time	Soil	Water	Sample Location or Depth	Sample Number	Number/Type of Containers
7/13		X		5 1/2'	MW-1/5 1/2'	1 brass
7/13		X		6 1/2'	ER-1/6 1/2'	1 brass
7/13		X		11'	MW-1/11'	1 brass
7/13		X		1'	SS-1/1'	1 brass

Analytical Tests:
 TPH as GROSSIVE
 with RI/TKL
 OR as GROSSIVE

Remarks:
 PLEASE COMPOSITE!
 hold.
 hold until call at 10am 7/14/81
 tell Jack

by: (Signature) [Signature] Date/Time: 07/13/81:40
 Received by: (Signature) [Signature]
 by: (Signature) [Signature] Date/Time: [Signature]
 Received by: (Signature) [Signature]
 by: (Signature) [Signature] Date/Time: [Signature]
 Received by: (Signature) [Signature]

Ship To:
 MEDTRIX
 3440 Vincent Road
 Pleasant Hill, CA 94523
 Attention: Jack Sheets
 Phone No: 715-930-4000

Memo: [Signature] July 27 1981
 Kaldveer Assoc. Contact: Rody Bowley

Please address correspondence to:
 Kaldveer Associates, Inc.
 425 Roland Way
 Oakland, California 94621
 (415) 568-0001



DRUM STORAGE AREA

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: 08/21/89

Reported: 08/28/89

Job #: 71022

Attn: George Wilson
Mike Roberts Color Production
6707 Bay Street
Emeryville, CA.

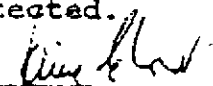
Project: Mike Roberts Color Production
Matrix: Water

Analysis Method EPA 6010
Prep Method EPA 3010
mg/l

Lab ID #: 71022-1
Client ID: Sump Well (Back)

METAL		MDL	% SPIKE RECOVERY
Tl	ND<0.088	0.088	72
As	ND<0.088	0.088	74
Hg	ND<0.200	0.200	74
Se	ND<0.200	0.200	70
Mo	ND<0.040	0.040	74
Sb	ND<0.040	0.040	88
Zn	0.51	0.006	78
Cd	ND<0.012	0.012	68
Pb	0.103	0.044	72
Co	ND<0.020	0.020	74
Ni	ND<0.026	0.026	72
Cr	ND<0.006	0.006	74
V	ND<0.004	0.004	80
Be	ND<0.001	0.001	72
Cu	0.92	0.004	96
Ag	ND<0.004	0.004	62
Ba	0.023	0.005	82

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


Jaime Chow
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

MRCP 00690

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: 08/21/89

Reported: 08/28/89

Job #: 71022

Attn: George Wilson
Mike Roberts Color Production
6707 Bay St.
Emeryville, CA.

Project: Mike Roberts Color Production
Matrix: Water

Lab ID #: 71022-1
Client ID: Sump Well (Back)

ANALYSIS:

		MDL
pH	7.3	N/A
Gasoline	ND<0.5 mg/l	0.5
Diesel	0.7 mg/l	0.5
Cyanide	ND<1.1 mg/l	1.1
Sulfide	Negative (Spot test)	N/A
Oil and Grease	50 mg/l	10

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

QA/QC: Spike Recovery for Diesel : 84%
Spike Recovery for Gasoline : 102%
Spike Recovery for Oil and Grease : 90%

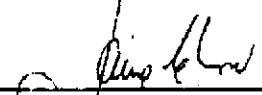
METHODS:

TPH by EPA 8015

Sulfide Method EPA 9030

Cyanide Method EPA 9010

Oil and Grease Std. Method 16th 503D

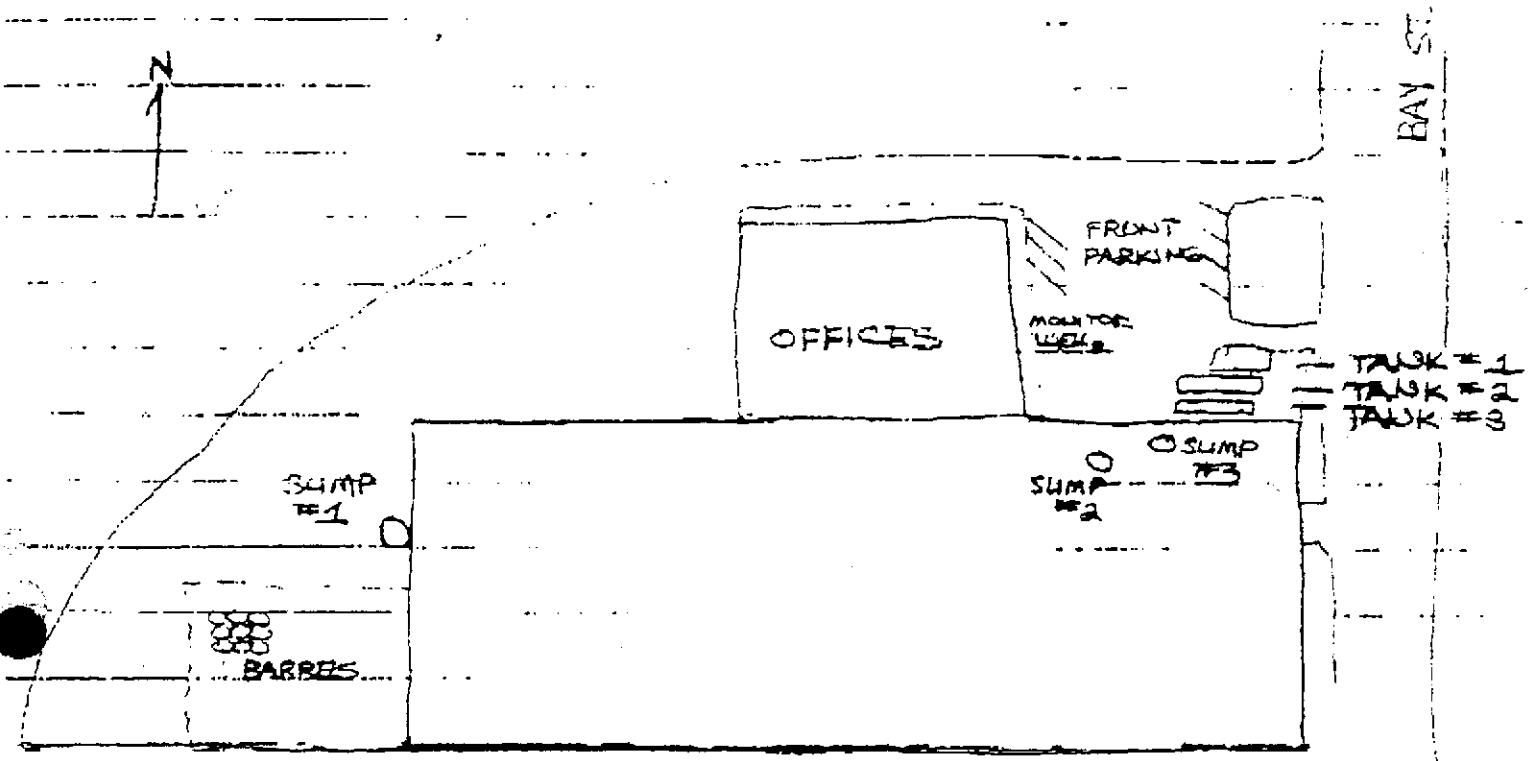


Jaime Chow
Laboratory Director

OUTSTANDING QUALITY AND SERVICE.

MRCF 00691

MIKE ROBERTS SAMPLE LOCATION MAP



PROJ. NO.

INITIALS (Signature)

PROJ. NAME AND ADDRESS:

MIKE ROBERTS COLLEGE PRODUCTIONS
WINDY BAY ST.
EMERYVILLE CA

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS
BTX
VOC-EPA 82/8
TOTAL OIL & GREASE
TETRATHYL LEAD
PbC DIOXIDE
Cadmium
MERCURY

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	REMARKS
------------------------	------	------	------	-------	------------------	---------

SUMP 1	8/21/87	9:20A		X	SUMP WELL (BACK)	X X X X X X
SOIL-1	8/21/87	10:30A	X		SOIL (TANK 1 - NORTH)	X X X X X

MRCP 00685

RELINQUISHED BY: (Signature)
Keith Jay

DATE 8-21-87
TIME 10:50A

RECEIVED BY: (Signature)
[Signature]

DATE 8/21/87
TIME 10:50A

RELINQUISHED BY: (Signature)
[Signature]

DATE 8/21/87
TIME 11:00A

RECEIVED BY: (Signature)
Darcy Way

DATE 8/21/87
TIME 11:18 AM

RELINQUISHED BY: (Signature)

DATE
TIME

RECEIVED BY: (Signature)

DATE
TIME

RELINQUISHED BY: (Signature)

DATE
TIME

RECEIVED FOR LABORATORY BY: (Signature)

DATE
TIME

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: 08/21/89

Reported: 08/28/89

Job #: 71022

Attn: George Wilson
Mike Roberts Color Production
6707 Bay Street
Emeryville, CA.

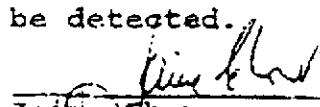
Project: Mike Roberts Color Production
Matrix: Water

Analysis Method EPA 6010
Prep Method EPA 3010
mg/l

Lab ID #: 71022-1
Client ID: Sump Well (Back)

METAL		MDL	% SPIKE RECOVERY
Tl	ND<0.088	0.088	72
As	ND<0.088	0.088	74
Hg	ND<0.200	0.200	74
Se	ND<0.200	0.200	70
Mo	ND<0.040	0.040	74
Sb	ND<0.040	0.040	88
Zn	0.51	0.006	78
Cd	ND<0.012	0.012	68
Pb	0.103	0.044	72
Co	ND<0.020	0.020	74
Ni	ND<0.026	0.026	72
Cr	ND<0.006	0.006	74
V	ND<0.004	0.004	80
Be	ND<0.001	0.001	72
Cu	0.92	0.004	96
Ag	ND<0.004	0.004	62
Ba	0.023	0.005	82

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


Jaime Chow
Laboratory Director

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE RICHMOND CA 94806

PHONE (415) 222-3002

FAX (415) 222-1257

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 08/21/89
Reported: 08/28/89
Job #: 71022

Attn: George Wilson
Mike Roberts Color Production
6707 Bay St.
Emeryville, CA.

Project: Mike Roberts Color Production
Matrix: Water

Lab ID #: 71022-1
Client ID: Sump Well (Back)

ANALYSIS:

		MDL
pH	7.3	N/A
Gasoline	ND<0.5 mg/l	0.5
Diesel	0.7 mg/l	0.5
Cyanide	ND<1.1 mg/l	1.1
Sulfide	Negative (Spot test)	N/A
Oil and Grease	50 mg/l	10

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

QA/QC: Spike Recovery for Diesel : 84%
Spike Recovery for Gasoline : 102%
Spike Recovery for Oil and Grease : 90%


METHODS:

TPH by EPA 8015

Cyanide Method EPA 9010

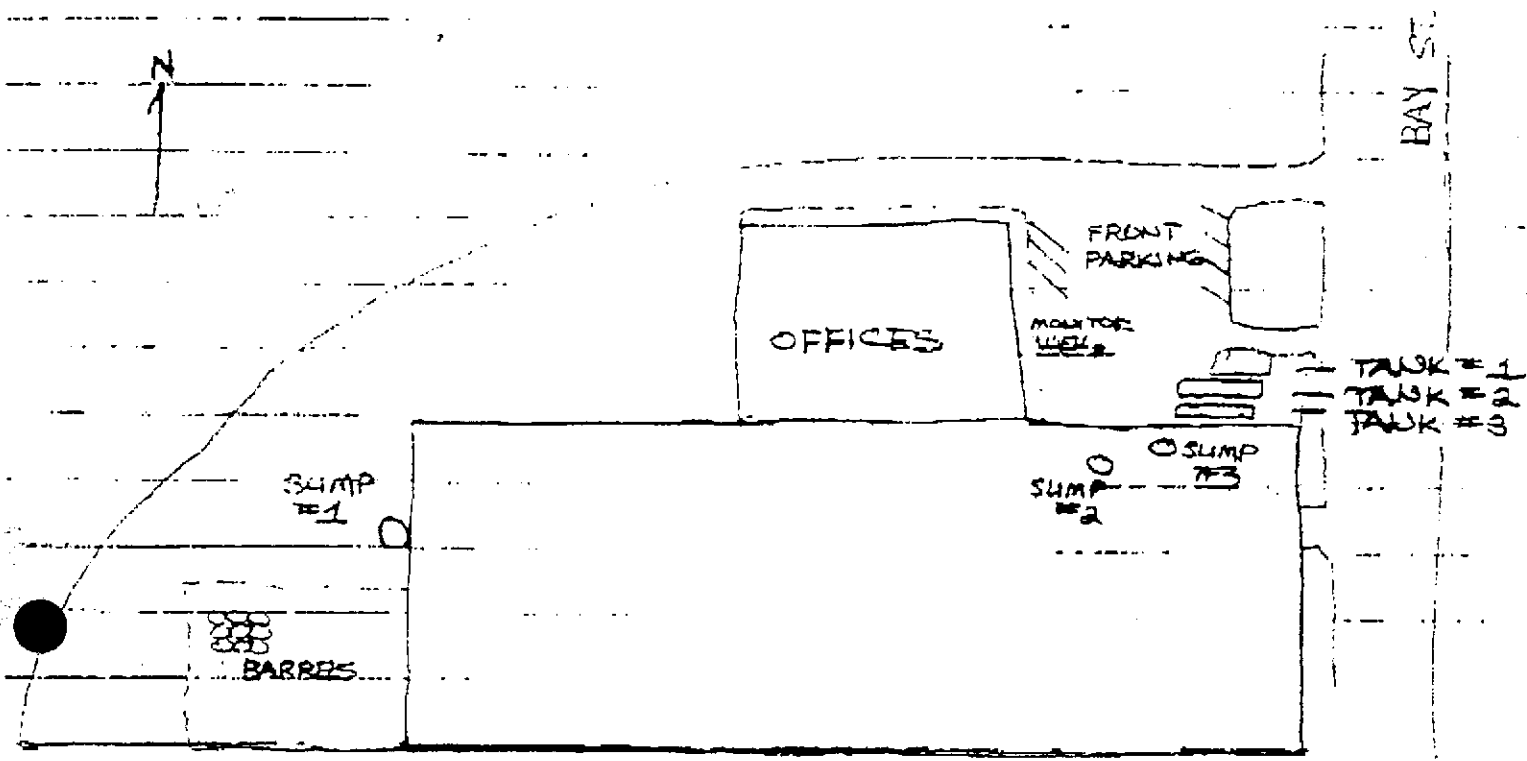
Sulfide Method EPA 9030

Oil and Grease Std. Method 16th 503D



Jaime Chow
Laboratory Director

MIKE ROBERTS SAMPLE LOCATION MAP



PROJ. NO.

SHIN LINES (Signature)

PROJ. NAME AND ADDRESS:

KEITH JAY
MIKE ROBERTS COLOR PRODUCTIONS
6707 BAY ST.
EMERYVILLE, CA

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS
BTEX
VOC-EPA BEYS
TOTAL OIL & GREASE
TETRAETHYL LEAD
P.P.S. DISPOSED
Cadmium concentrations

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTEX	VOC-EPA BEYS	TOTAL OIL & GREASE	TETRAETHYL LEAD	P.P.S. DISPOSED	Cadmium concentrations	REMARKS
SUMP 1	8/21/89	9:20A		X	SUMP WELL (BACK)	X	X	X		X	X		
SOIL-1	8/21/89	10:30A	X		SOIL (TANK 1 - NORTH)		X	X		X			

MRCP 00685

RELINQUISHED BY: (Signature) <i>Keith Jay</i>	DATE 8/21/89 TIME 10:50A	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE 8/21/89 TIME 10:57
RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE 8/21/89 TIME 11:00A	RECEIVED BY: (Signature) <i>Darcy Way</i>	DATE 8/21/89 TIME 11:18A
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED FOR LABORATORY BY: (Signature)	DATE TIME

TANK EXCAVATION
SOIL SAMPLES

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: 08/21/89
Reported: 08/28/89
Job #: 71022

Attn: George Wilson
Mike Roberts Color Production
6707 Bay St.
Emeryville, CA.

Project: Mike Roberts Color Production
Matrix: Soil

Lab ID #: 71022-2
Client ID: Tank-1 North

ANALYSIS:

		MDL
pH	6.4	N/A
Gasoline	120 mg/l	10
Diesel	ND<10 mg/l	10
Cyanide	ND<1.0 mg/l	1.0
Sulfide	Negative (Spot test)	N/A

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

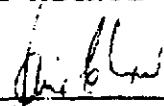
QA/QC: Spike Recovery for Diesel : 85%
Spike Recovery for Gasoline : 101%

METHODS:

TPH by EPA 8015

Cyanide Method EPA 9010

Sulfide Method EPA 9030


Jaime Chow
Laboratory Director

MRCP 00687

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE PUBLIC UTILITIES BOARD

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: 08/21/89

Reported: 08/28/89

Job No #: 71022

Attn: George Wilson
Mike Roberts Color Productions
6707 Bay Street
Emeryville, CA.

Project: Mike Roberts Color Production
Matrix: Soil

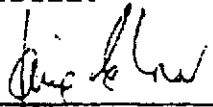
Aromatic Volatile Hydrocarbon Analysis:
EPA Method 8020
mg/kg

Lab ID	Client ID	Benzene	Toluene	MDL
71022-2	Tank-1 North	23	20	0.3

Lab ID	Client ID	Ethylbenzene	Xylene	MDL
71022-2	Tank-1 North	0.46	4.3	0.3

QA/QC: Spike Recovery for Benzene: 97%
Spike Recovery for Toluene: 88%
Spike Recovery for O-Xylene: 90%

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



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: 08/21/89

Reported: 08/28/89

Job #: 71022

Attn: George Wilson
Mike Roberts Color Production
6707 Bay Street
Emeryville, CA.

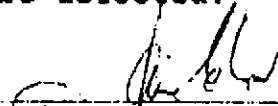
Project: Mike Roberts Color Productions
Matrix: Soil

Analysis Method EPA 6010
Prep Method EPA 3050
mg/kg

Lab ID #: 71022-2
Client ID: Tank-1 North

METAL		MDL	% SPIKE RECOVERY
Tl	ND<2.2	2.2	72
As	ND<2.2	2.2	76
Hg	ND<5.0	5.0	86
Se	ND<5.0	5.0	96
Mo	ND<1.0	1.0	88
Sb	ND<1.0	1.0	90
Zn	240.3	0.15	82
Cd	ND<0.30	0.030	78
Pb	26.0	1.1	82
Co	3.4	0.5	86
Ni	7.4	0.65	84
Cr	3.8	0.15	84
V	5.7	0.1	84
Be	ND<0.025	0.025	86
Cu	4.2	0.1	88
Ag	0.55	0.1	74
Ba	92.4	0.1	88

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



Jaime Chow
Laboratory Director

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

MRCF 00688

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: 08/09/89
Reported: 08/29/89
Job #: 70999

Attn: George Wilson
Mike Roberts Color Production
6707 Bay St.
Emeryville, CA.

Project: Mike Roberts Color Production
Matrix: Water

Lab ID #: 70999-1
Client ID: West Tank - Driveway

ANALYSIS:

		MDL
pH	6.5	N/A
Sulfide	Negative (Spot test)	N/A
Phenol	Negative (Spot test)	N/A
Halogenated	ND<0.3 mg/kg	0.3

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

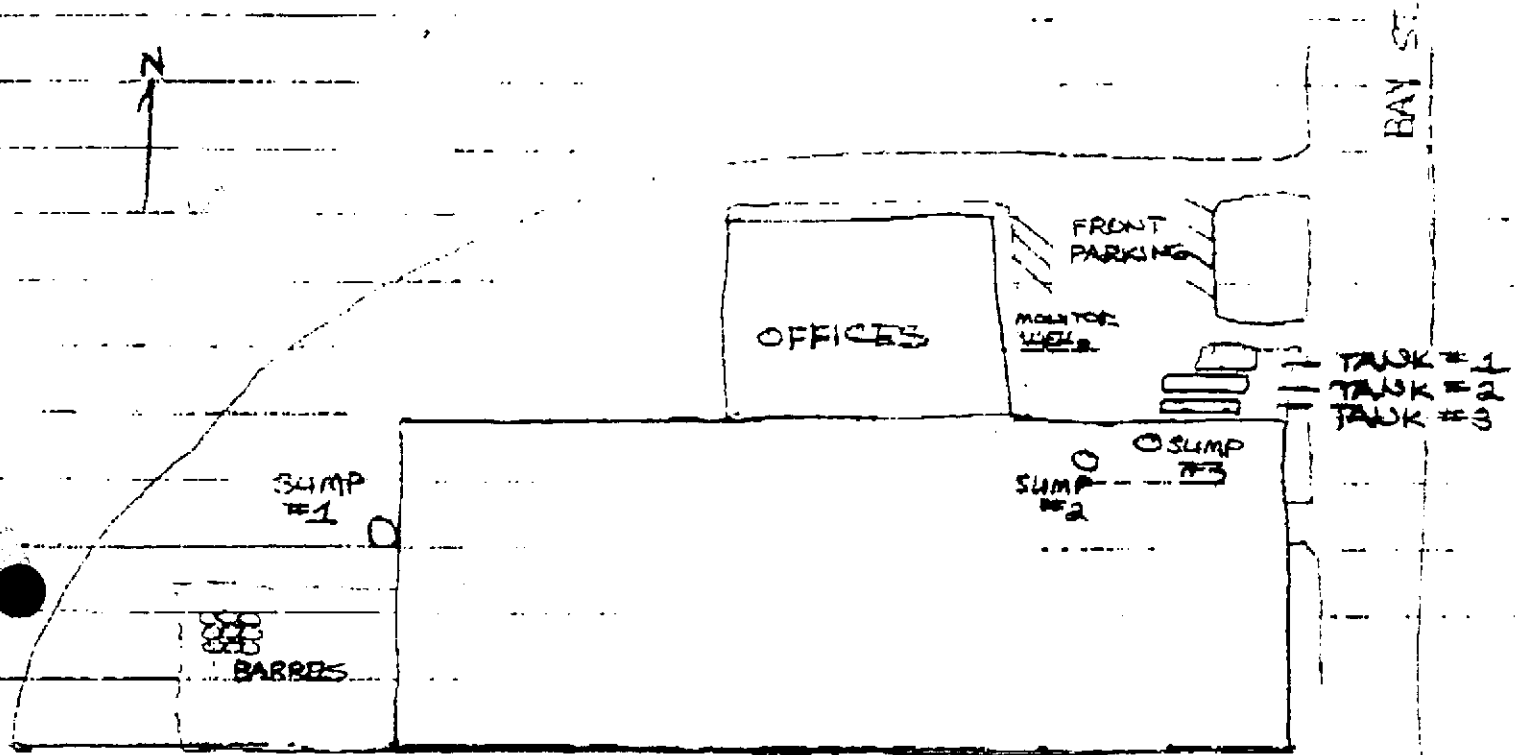
QA/QC: Spike Recovery for Halogenated: 111%

METHODS:

Halogenated Method EPA 8010


Jaime Chow
Laboratory Director

MIKE ROBERTS SAMPLE LOCATION MAP



PROJ. NO.

DATE/TIME (Signature)

PROJECT NAME AND ADDRESS:

MIKE ROBERTS CONCRETE PRODUCTIONS
6707 BAY ST.
EMERYVILLE CA

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS
BTEX
VOC-EPA 8248
TOTAL OIL & GREASE
TETRATHYL LEAD
PbC DISASSAY
Cadm. ANALYSES

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTEX	VOC-EPA 8248	TOTAL OIL & GREASE	TETRATHYL LEAD	PbC DISASSAY	Cadm. ANALYSES	REMARKS
SUMP 1	8/21/87	9:20A		X	SUMP WELL (BACK)	X		X	X		X		
SOIL - 1	8/21/87	10:30A	X		SOIL (TANK 1 - NORTH)		X	X			X		

MRCP 00685

RELINQUISHED BY: (Signature) <i>Keith Jay</i>	DATE 8/21/87 TIME 10:50A	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE 8/21/87 TIME 10:57
RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE 8/21/87 TIME 11:00A	RECEIVED BY: (Signature) <i>Sarcy Waj</i>	DATE 8/21/87 TIME 11:18A
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED FOR LABORATORY BY: (Signature)	DATE TIME

Clayton Environmental Consultants, Inc.

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

September 13, 1989

Mr. Jaime Chow
PRECISION ANALYTICAL LAB, INC.
4136 Lakeside Drive
Richmond, CA 94806

Client Ref. No.: 9077
Lab Batch No.: 8909060
Clayton Project No.: 89090.60
Lab Client Code: 77604

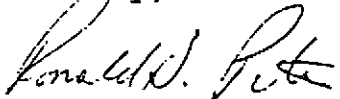
Dear Mr. Chow:

Attached is our analytical laboratory report for the samples received on September 8, 1989. Results were sent to you by facsimile on September 12, 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 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: MW-1

Client: PRECISION ANALYTICAL

Sample Received: 09/08/89
Sample Extracted: 09/11/89
Sample Analyzed: 09/11/89

Client Ref. No.: 9077
Lab Client Code: 77604

Sample Matrix: WATER

Lab No.: 8909060-01C

Compound	CAS #	Concentration ug/L	Limit of Detectio 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.: MW-1

Client: PRECISION ANALYTICAL

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

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: MW-3

Client: PRECISION ANALYTICAL

Sample Received: 09/08/89
Sample Extracted: 09/11/89
Sample Analyzed: 09/11/89

Client Ref. No.: 9077
Lab Client Code: 77604

Sample Matrix: WATER

Lab No.: 8909060-02C

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

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

BASE/NEUTRAL COMPOUNDS

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

ND = Not detected at or above limit of detection

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

Sample I.D.: MW-3

Client: PRECISION ANALYTICAL

Compound	CAS #	Concentration ug/L	Limit of Detectic ug/L
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	5
2-nitroaniline	88-74-4	ND	5
3-nitroaniline	99-09-2	ND	5
4-nitroaniline	100-01-6	ND	5
Hexachlorocyclopentadiene	77-47-4	ND	1
Dimethyl phthalate	131-11-3	ND	10
Acenaphthylene	208-96-8	ND	1
Acenaphthene	83-32-9	ND	1
2,4-dinitrotoluene	121-14-2	ND	1
2,6-dinitrotoluene	606-20-2	ND	1
Diethyl phthalate	84-66-2	ND	1
4-chlorophenylphenylether	7005-72-3	ND	1
Fluorene	86-73-7	ND	1
N-nitrosodiphenylamine	86-30-6	ND	1
4-bromophenylphenylether	101-55-3	ND	1
Hexachlorobenzene	118-74-1	ND	1
Phenanthrene	85-01-8	ND	1
Anthracene	120-12-7	ND	1
Di-n-butylphthalate	84-74-2	ND	1
Fluoranthene	206-44-2	ND	1
Benzidine	92-87-5	ND	30
Pyrene	129-00-0	ND	1
Benzylbutylphthalate	85-68-7	ND	1
3,3'-dichlorobenzidine	91-94-1	ND	40
Benzo(a)anthracene	56-55-3	ND	1
Bis-(2-ethylhexyl)phthalate	117-81-7	80	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

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: MW-5

Client: PRECISION ANALYTICAL

Sample Received: 09/08/89

Client Ref. No.: 9077

Sample Extracted: 09/11/89

Lab Client Code: 77604

Sample Analyzed: 09/11/89

Sample Matrix: WATER

Lab No.: 8909060-03C

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

Phenol	108-95-2	ND	1
2-chlorophenol	95-57-8	ND	1
2-methyl phenol	95-48-7	ND	1
4-methyl phenol	106-44-5	ND	1
2-nitrophenol	88-75-5	ND	1
2,4-dimethylphenol	105-67-9	6	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	5	1
Hexachlorobutadiene	87-68-3	ND	1
2-chloronaphthalene	91-58-7	ND	1
2-methyl naphthalene	91-57-6	16	1

ND = Not detected at or above limit of detection

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

Sample I.D.: MW-5

Client: PRECISION ANALYTICAL

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

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: MW-6

Client: PRECISION ANALYTICAL

Sample Received: 09/08/89

Client Ref. No.: 9077

Sample Extracted: 09/11/89

Sample Analyzed: 09/11/89

Lab Client Code: 77604

Sample Matrix: WATER

Lab No.: 8909060-04C

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

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

BASE/NEUTRAL COMPOUNDS

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

ND = Not detected at or above limit of detection

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

Sample I.D.: MW-6

Client: PRECISION ANALYTICAL

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

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: METHOD BLANK

Client: PRECISION ANALYTICAL

Sample Received: 09/08/89
Sample Extracted: 09/11/89
Sample Analyzed: 09/11/89

Client Ref. No.: 9077
Lab Client Code: 77604

Sample Matrix: WATER

Lab No.: 8909060-05A

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

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

BASE/NEUTRAL COMPOUNDS

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

ND = Not detected at or above limit of detection

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

Sample I.D.: METHOD BLANK

Client: PRECISION ANALYTICAL

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

ND = Not detected at or above limit of detection

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: MW-1
Sample Received: 09/08/89
Sample Analyzed: 09/08/89
Sample Matrix: WATER

Client: PRECISION ANALYTICAL
Client Ref. No.: 9077
Lab Client Code: 77604
Lab No.: 8909060-01A

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 8240
PURGEABLE ORGANICS

Sample I.D.: MW-3
Sample Received: 09/08/89
Sample Analyzed: 09/08/89
Sample Matrix: WATER

Client: PRECISION ANALYTICAL
Client Ref. No.: 9077
Lab Client Code: 77604
Lab No.: 8909060-02A

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 8240
PURGEABLE ORGANICS

Sample I.D.: MW-5
 Sample Received: 09/08/89
 Sample Analyzed: 09/08/89
 Sample Matrix: WATER

Client: PRECISION ANALYTICAL
 Client Ref. No.: 9077
 Lab Client Code: 77604
 Lab No.: 8909060-03A

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	4	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	8	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	8	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	6	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

Sample I.D.: MW-6
 Sample Received: 09/08/89
 Sample Analyzed: 09/08/89
 Sample Matrix: WATER

Client: PRECISION ANALYTICAL
 Client Ref. No.: 9077
 Lab Client Code: 77604
 Lab No.: 8909060-04A

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 8240
PURGEABLE ORGANICS

Sample I.D.: METHOD BLANK
 Sample Received: 09/08/89
 Sample Analyzed: 09/08/89
 Sample Matrix: WATER

Client: PRECISION ANALYTICAL
 Client Ref. No.: 9077
 Lab Client Code: 77604
 Lab No.: 8909060-05A

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

PROJ. NO. 9677
 SAMPLERS (Signature) Jaime Chan
 PROJECT NAME AND ADDRESS:
 4136 Labo side Drive (415) 222-3002
 Richmond - Ca - 94806

ANALYSIS REQUESTED

TPH - Gasoline or Diesel
 BTX (8020)
 Total Oil & Grease
 8240
 8270

Rush by Tue. 48hrs

CROSS REFERENCE	DATE	TIME	SOIL	WATER	STATION LOCATION	TPH	BTX	Total Oil & Grease	REMARKS
W-MW1 11.7	9/7/89	3:30 PM		X	Monitoring well MW-1			X X	
W-MW3 9-10		3:20		X	" " MW-3			X X	
V-MW5 10.3		2:50		X	" " MW-5			X X	
W-MW6-		3:0 PM		X	" " MW-6			X X	

ELINQUISHED BY: (Signature) <i>J. Sedhu</i>	RECEIVED BY: (Signature) <i>J. Sedhu</i>	9/8/89
ELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	
ELINQUISHED BY: (Signature)	RECEIVED BY: (Signature) <i>Jaime Chan</i>	9/8/89 2:
ELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	

DRUM STORAGE AREA

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: SOIL-3
Sample Received: 08/22/89
Sample Analyzed: 08/28/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: 71024
Lab Client Code: 77604
Lab No.: 8908247-01A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	20
Bromomethane	74-83-9	ND	8
Vinyl chloride	75-01-4	ND	8
Chloroethane	75-00-3	ND	20
Methylene chloride	75-09-2	ND	20
Trichlorofluoromethane	75-69-4	ND	8
1,1-dichloroethene	75-35-4	ND	8
1,1-dichloroethane	75-35-3	ND	8
Trans-1,2-dichloroethene	156-60-5	ND	8
Chloroform	67-66-3	ND	8
1,2-dichloroethane	107-06-2	ND	20
1,1,1-trichloroethane	71-55-6	ND	8
Carbon tetrachloride	56-23-5	ND	8
Bromodichloromethane	75-27-4	ND	8
1,2-dichloropropane	78-87-5	ND	20
Cis-1,3-dichloropropene	10061-01-5	ND	20
Trichloroethene	79-01-6	ND	20
Benzene	71-43-2	ND	8
Dibromochloromethane	124-48-1	ND	20
1,1,2-trichloroethane	79-00-5	ND	20
Trans-1,3-dichloropropene	10061-02-6	ND	20
2-chloroethylvinylether	100-75-8	ND	40
Bromoform	75-25-2	ND	20
1,1,2,2-tetrachloroethane	79-34-5	ND	20
Tetrachloroethene	127-18-4	ND	20
Toluene	108-88-3	80	8
Chlorobenzene	108-90-7	ND	8
Ethylbenzene	100-41-4	20	20
1,3-dichlorobenzene	541-73-7	ND	20
1,2-dichlorobenzene	95-50-1	ND	20
1,4-dichlorobenzene	106-46-7	ND	20
Freon 113	76-13-1	ND	8
Total Xylenes	1330-20-7	360	20
Acetone	67-64-1	ND	40
2-Butanone	78-93-3	ND	40
4-Methyl-2-pentanone	108-10-1	ND	40
2-Hexanone	591-78-6	ND	40
Vinyl acetate	108-05-4	ND	20
Carbon disulfide	75-15-0	ND	20
Styrene	100-42-5	ND	20

ND = Not detected at or above limit of detection

MRCP 00769

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: SOIL-4
 Sample Received: 08/22/89
 Sample Analyzed: 08/28/89
 Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
 Client Ref. No.: 71024
 Lab Client Code: 77604
 Lab No.: 8908247-02A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	8
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	8
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	ND	4
1,1-dichloroethene	75-35-4	ND	4
1,1-dichloroethane	75-35-3	ND	4
Trans-1,2-dichloroethene	156-60-5	ND	4
Chloroform	67-66-3	ND	4
1,2-dichloroethane	107-06-2	ND	8
1,1,1-trichloroethane	71-55-6	ND	4
Carbon tetrachloride	56-23-5	ND	4
Bromodichloromethane	75-27-4	ND	4
1,2-dichloropropane	78-87-5	ND	8
Cis-1,3-dichloropropene	10061-01-5	ND	8
Trichloroethene	79-01-6	ND	10
Benzene	71-43-2	ND	4
Dibromochloromethane	124-48-1	ND	8
1,1,2-trichloroethane	79-00-5	ND	8
Trans-1,3-dichloropropene	10061-02-6	ND	8
2-chloroethylvinylether	100-75-8	ND	20
Bromoform	75-25-2	ND	8
1,1,2,2-tetrachloroethane	79-34-5	ND	10
Tetrachloroethene	127-18-4	ND	8
Toluene	108-88-3	ND	4
Chlorobenzene	108-90-7	ND	4
Ethylbenzene	100-41-4	20	10
1,3-dichlorobenzene	541-73-7	ND	10
1,2-dichlorobenzene	95-50-1	ND	10
1,4-dichlorobenzene	106-46-7	ND	10
Freon 113	76-13-1	ND	4
Total Xylenes	1330-20-7	77	8
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	8
Styrene	100-42-5	ND	8

ND = Not detected at or above limit of detection

MRCP 00770

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: METHOD BLANK
Sample Received: 08/22/89
Sample Analyzed: 08//28/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: 71024
Lab Client Code: 77604
Lab No.: 8908247-05A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	0.4
Bromomethane	74-83-9	ND	0.2
Vinyl chloride	75-01-4	ND	0.2
Chloroethane	75-00-3	ND	0.4
Methylene chloride	75-09-2	ND	0.6
Trichlorofluoromethane	75-69-4	ND	0.2
1,1-dichloroethene	75-35-4	ND	0.2
1,1-dichloroethane	75-35-3	ND	0.2
Trans-1,2-dichloroethene	156-60-5	ND	0.2
Chloroform	67-66-3	ND	0.2
1,2-dichloroethane	107-06-2	ND	0.4
1,1,1-trichloroethane	71-55-6	ND	0.2
Carbon tetrachloride	56-23-5	ND	0.2
Bromodichloromethane	75-27-4	ND	0.2
1,2-dichloropropane	78-87-5	ND	0.4
Cis-1,3-dichloropropene	10061-01-5	ND	0.4
Trichloroethene	79-01-6	ND	0.5
Benzene	71-43-2	ND	0.2
Dibromochloromethane	124-48-1	ND	0.4
1,1,2-trichloroethane	79-00-5	ND	0.4
Trans-1,3-dichloropropene	10061-02-6	ND	0.4
2-chloroethylvinylether	100-75-8	ND	1
Bromoform	75-25-2	ND	0.4
1,1,2,2-tetrachloroethane	79-34-5	ND	0.6
Tetrachloroethene	127-18-4	ND	0.4
Toluene	108-88-3	ND	0.2
Chlorobenzene	108-90-7	ND	0.2
Ethylbenzene	100-41-4	ND	0.6
1,3-dichlorobenzene	541-73-7	ND	0.6
1,2-dichlorobenzene	95-50-1	ND	0.6
1,4-dichlorobenzene	106-46-7	ND	0.6
Freon 113	76-13-1	ND	0.2
Total Xylenes	1330-20-7	ND	0.4
Acetone	67-64-1	ND	1
2-Butanone	78-93-3	ND	1
4-Methyl-2-pentanone	108-10-1	ND	1
2-Hexanone	591-78-6	ND	1
Vinyl acetate	108-05-4	ND	0.6
Carbon disulfide	75-15-0	ND	0.4
Styrene	100-42-5	ND	0.4

ND = Not detected at or above limit of detection

MRCP 00771

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: SUMP-1 WELL(BACK)
Sample Received: 08/21/89
Sample Analyzed: 08/22/89
Sample Matrix: WATER

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8908230-01A

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
is-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

MRCP 00768

EPA METHOD 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: SOIL-5
Sample Received: 08/22/89
Sample Analyzed: 08/23/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: 71024
Lab Client Code: 77604
Lab No.: 8908247-03A

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	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

MRCP 00772

SOIL INVESTIGATION

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: 07/05/89

Reported: 07/18/89

Job #: 70919

Attn: George Wilson
 Mike Roberts Color Productions
 7707 Bay Street
 Emeryville, CA.

Analysis Method EPA 6010
 Prep Method EPA 3050
 mg/kg

Lab ID #:	70919-1	70919-2	70919-3	70919-4	70919-5		% SPIKE RECOVERY
Client ID:	S-B1-	S-B1-	S-B1-	S-B1-	S-B1-		
	5.5	10.5	16	20.5	25.5		
METAL						MDL	
Tl	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	2.2	74
As	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	2.2	88
Hg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.0	98
Se	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.0	76
Mo	ND<1.0	ND<1.0	2.4	ND<1.0	ND<1.0	1.0	84
Sb	ND<1.0	ND<1.0	4	ND<1.0	ND<1.0	1.0	70
Zn	94	5.4	6040	106	27	0.15	85
Cd	1.4	0.6	12	2.4	2.0	0.3	86
Pb	61	3	160	77	8.0	1.1	84
Co	5.7	2.6	12.4	4.5	8.0	0.5	82
Ni	14	12.7	30	19	24	0.65	80
Cr	13	12.5	42	15	10	0.15	82
V	15	7	32	12	12	0.1	88
Be	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	0.025	88
Cu	28	4	153	23	13	0.1	90
Ag	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.1	77
Ba	92	21	78	61	67	0.1	82

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

Jaime Chow
 Jaime Chow
 Laboratory Director

Precision Analytical Laboratory, Inc.

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Mike Roberts Color Productions
Job No. 70919

Page 2 of 2

Analysis Method EPA 6010
Prep Method EPA 3050
mg/kg

Lab ID #:	70919-6	70919-7	70919-8	70919-9	70919-10		
Client ID:	S-B1-	S-B2-	S-B2-	S-B2-	S-B2-		% SPIKE RECOVERY
	30.5	6.0	10	16	20.5	MDL	
METAL							
Tl	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	2.2	74
As	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	2.2	88
Hg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.0	98
Se	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.0	76
Mo	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.0	84
Sb	ND<1.0	1.2	ND<1.0	1.2	ND<1.0	1.0	70
Zn	15	67	532	23	11	0.15	85
Cd	1.2	1.6	ND<0.3	2.4	1.4	0.3	86
Pb	4.5	167	1360	11	8.7	1.1	84
Co	3.6	5	2.7	12	1.9	0.5	82
Ni	22	18.5	12.5	79	16.6	0.65	80
Cr	9.9	11.8	12.7	43	7.8	0.15	82
V	6.7	9.7	13	10	17	0.1	88
Be	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	0.025	88
Cu	7.4	92	22.5	10	9.0	0.1	90
Ag	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.1	77
Ba	23	109	41	95	35	0.1	82

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND CA 94806

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CERTIFICATE OF ANALYSIS

State License No. 211

Received: 07/05/89

Reported: 07/20/89

Job No #: 70919

Attn: George Wilson
 Mike Roberts Color Production
 7707 Bay Street
 Emeryville, CA.

Halogenated Volatile Organics Analysis:
 EPA Method 8010
 mg/kg

Lab ID	Client ID	Chloro -methane	Bromo -methane	Vinyl Chloride	Chloro -ethane	MDL
70919-1	S-B1- 5.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-2	S-B1-10.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-3	S-B1-16	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-4	S-B1-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-5	S-B1-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-6	S-B1-30.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-7	S-B2- 6.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-8	S-B2-10	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-9	S-B2-16	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-10	S-B2-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	Methylene Chloride	1,1- dichloro -ethene	1,1- dichloro -ethane	Trans-1,2 dichloro -ethene	MDL
70919-1	S-B1- 5.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-2	S-B1-10.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-3	S-B1-16	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-4	S-B1-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-5	S-B1-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-6	S-B1-30.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-7	S-B2- 6.	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-8	S-B2-10	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-9	S-B2-16.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-10	S-B2-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

QA/QC: Spike Recovery for 1,1,1-trichloroethane: 115%

Surinder Sidhu
 Senior Chemist

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Mike Roberts Color Productions
Job No. 70919

Page 2 of 3

Lab ID	Client ID	Chloro -form	1,2- Dichloro -ethane	1,1,1- Trichloro -ethene	Carbon Tetra- Chloride	MDL
70919-1	S-B1- 5.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-2	S-B1-10.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-3	S-B1-16	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-4	S-B1-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-5	S-B1-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-6	S-B1-30.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-7	S-B2- 6.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-8	S-B2-10	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-9	S-B2-16	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-10	S-B2-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	Bromo- dichloro -methane	1,2- dichloro -propene	Tri- Chloro -ethene	Dibromo -chloro -methane	MDL
70919-1	S-B1- 5.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-2	S-B1-10.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-3	S-B1-16	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-4	S-B1-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-5	S-B1-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-6	S-B1-30.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-7	S-B2- 6.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-8	S-B2-10	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-9	S-B2-16	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-10	S-B2-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	1,1,2- Trichloro -ethane	Trans-1,3 dichloro -propene	2-Chloro -ethyl Vinyl ether	Tetra- chloro -ethene	MDL
70919-1	S-B1- 5.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-2	S-B1-10.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-3	S-B1-16	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-4	S-B1-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-5	S-B1-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-6	S-B1-30.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-7	S-B2- 6.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-8	S-B2-10	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-9	S-B2-16	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
70919-10	S-B2-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE DEPARTMENT OF LABORATORY

MRCP 00755

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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Mike Roberts Color Productions
Job No. 70919

Page 3 of 3

Lab ID	Client ID	1,1,2,2 Tetrachloro -ethane Chlorobenzene	Dichloro -difluoro methane	Trichloro- fluoro- methane	MDL
70919-1	S-B1- 5.5	ND<0.03	ND<0.03	ND<0.03	0.03
70919-2	S-B1-10.5	ND<0.03	ND<0.03	ND<0.03	0.03
70919-3	S-B1-16	ND<0.03	ND<0.03	ND<0.03	0.03
70919-4	S-B1-20.5	ND<0.03	ND<0.03	ND<0.03	0.03
70919-5	S-B1-25.5	ND<0.03	ND<0.03	ND<0.03	0.03
70919-6	S-B1-30.5	ND<0.03	ND<0.03	ND<0.03	0.03
70919-7	S-B2- 6.0	ND<0.03	ND<0.03	ND<0.03	0.03
70919-8	S-B2-10	ND<0.03	ND<0.03	ND<0.03	0.03
70919-9	S-B2-16	ND<0.03	ND<0.03	ND<0.03	0.03
70919-10	S-B2-20.5	ND<0.03	ND<0.03	ND<0.03	0.03

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE RICHMOND, CA 94806

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CERTIFICATE OF ANALYSIS

State License No. 211

Received: 07/05/89

Reported: 07/20/89

Job No #: 70919

Attn: George Wilson
Mike Roberts Color Productions
7707 Bay Street
Emeryville, CA.

Total Petroleum Hydrocarbon Analysis: By Modified Method 8015
Oil & Grease Analysis: By Standard Method 503D
Polychlorinated BiPhenyls Analysis: By EPA 8080
mg/kg

Lab ID	Client ID	TPH as Diesel	TPH as Gasoline	Oil & Grease	PCB's
70919-1	S-B1- 5.5	12	ND<10	845	ND<0.5
70919-2	S-B1-10.5	ND<10	ND<10	ND<50	ND<0.5
70919-3	S-B1-16	63	ND<10	1600	ND<0.5
70919-4	S-B1-20.5	ND<10	ND<10	80	ND<0.5
70919-5	S-B1-25.5	ND<10	ND<10	95	ND<0.5
70919-6	S-B1-30.5	ND<10	ND<10	ND<50	ND<0.5
70919-7	S-B2- 6.0	19	ND<10	1160	ND<0.5
70919-8	S-B2-10	172	20	14,900	ND<0.5
70919-9	S-B2-16	ND<10	ND<10	ND<50	ND<0.5
70919-10	S-B2-20.5	ND<10	ND<10	ND<50	ND<0.5

QA/QC: Spike Recovery for Diesel: 83%
Spike Recovery for Gasoline: 99%
Spike Recovery for Oil & Grease: 102%
Spike Recovery for PCB's: 98%

Detection Limit for Diesel: 10, #8 = 100
Detection Limit for Oil & Grease: 50
Detection Limit for Gasoline: 10
Detection Limit for PCB: 0.5

Surinder Sidhu
Surinder Sidhu
Senior Chemist

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE DEPARTMENT OF LABORATORY

MRCP 00757

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

State License No. 211

Received: 08/28/89

Reported: 09/18/89

Job No #: 71042

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

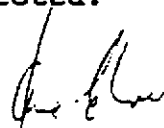
Project: Mike Roberts Color Productions
Matrix: Soil

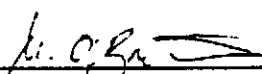
Total Petroleum Hydrocarbon Analysis
By Modified Method 8015
mg/kg

Lab ID	Client ID	Diesel	Gasoline	MDL
71042-1	S-B3-5	30	ND<10	10
71042-2	S-B3-12	20	ND<10	10
71042-3	S-B3-15	260	120	10
71042-4	S-B3-20	ND<10	ND<10	10
71042-5	S-B3-25	ND<10	ND<10	10
71042-6	S-B4-45	ND<10	ND<10	10
71042-7	S-B4-10	170	ND<10	10
71042-8	S-B4-14.5'	ND<10	ND<10	10

QA/QC: Spike Recovery for Diesel: 86%
Spike Recovery for Gasoline: 106%

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


Jaime Chow
Laboratory Director


Michael O'Brien
QA/QC Officer

Precision Analytical Laboratory, Inc.

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Received: 08/28/89

Reported: 09/18/89

Job No #: 71042

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

Project: Mike Roberts Color Productions
Matrix: Soil

Lab ID	Client ID	pH of Leach	Sulfide	Cyanide
71042-1	S-B3-5	8.1	Negative	ND<1.0 mg/kg
71042-2	S-B3-12	8.8	Negative	ND<1.0 mg/kg
71042-3	S-B3-15	9.3	2,320 mg/kg	ND<1.0 mg/kg
71042-4	S-B3-20	8.3	Negative	ND<1.0 mg/kg
71042-5	S-B3-25	8.7	Negative	ND<1.0 mg/kg
71042-6	S-B4-45	7.7	Negative	ND<1.0 mg/kg
71042-7	S-B4-10	8.4	13.0 mg/kg	ND<1.0 mg/kg
71042-8	S-B4-14.5'	9.0	5.0 mg/kg	ND<1.0 mg/kg

Methods:

pH Analysis; By EPA 9045


Sulfide Analysis; By EPA 9030

Cyanide Analysis; By EPA 9010

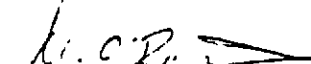
MDL: Method detection limit; Compound below this level would not be detected.

Detection limit for Sulfide: 1.0

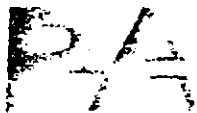
Detection limit for Cyanide: 1.0



Jaime Chow
Laboratory Director



Michael O'Brien
QA/QC Officer



Precision Analytical Laboratory, Inc.

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Received: 08/28/89
Reported: 09/18/89
Job No #: 71042

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

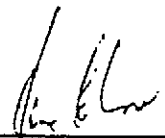
Project: Mike Roberts Color Productions
Matrix: Soil

Oil & Grease Analysis;
By Standard Method 16th Edition 503D
mg/kg

Lab ID	Client ID	Oil & Grease	MDL
71042-1	S-B3-5	1,845	20
71042-2	S-B3-12	95	20
71042-3	S-B3-15	625	20
71042-4	S-B3-20	ND<20	20
71042-5	S-B3-25	20	20
71042-6	S-B4-45	6,685	20
71042-7	S-B4-10	25,470	20
71042-8	S-B4-14.5'	ND<20	20

QA/QC: Spike Recovery for Oil & Grease: 81%

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



Jaime Chow
Laboratory Director



Michael O'Brien
QA/QC Officer

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 08/18/89
Reported: 08/25/89
Job No. #: 71021

Attn: George Wilson
L & W Environmental
2111 Jennings Street
San Francisco CA. 94124

Project: Mike Roberts Color Productions

Lab ID	71021-1	71021-2	71021-3
Client ID	R-D1-0	R-D2-0	R-D3-0

Analysis:

MDL


pH	5.5	8.0	8.1	N/A
Cyanide	ND<1.0 mg/kg	ND<1.0 mg/kg	ND<1.0 mg/kg	1.0
Sulfide	Negative	Negative	Negative	N/A
	(Spot test)	(Spot test)	(Spot test)	
Halogenated	ND<0.3 mg/kg	ND<0.3 mg/kg	ND<0.3 mg/kg	0.3
PCB's	ND<0.2 mg/kg	ND<0.2 mg/kg	ND<0.2 mg/kg	0.2
Diesel	N/A	N/A	N/A	N/A

QA/QC: Spike Recovery for PCB's: 100 %
Spike Recovery for Diesel: 113 %
Spike Recovery for Gasoline: 92 %
Spike Recovery for Halogenated: 75 %

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

METHODS:

Sulfide: By EPA 9030
Halogenated: By EPA 8010
PCB'S: By EPA 8080
Cyanide: By EPA 9010
TPH: By EPA Modified 8015



Jaime Chow
Laboratory Director

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L & W Environmental
Job No. 71021

Page 2 of 2

Project: Mike Roberts Color Productions

Lab ID	71021-4	71021-5
Client ID	R-D4-0	ST1-3NE

Analysis:			MDL
pH	5.4	8.5	N/A
Cyanide	ND<1.0 mg/kg	ND<1.0 mg/kg	1.0
Sulfide	Negative (Spot test)	Negative (Spot test)	N/A
Halogenated	ND<0.3 mg/kg	ND<0.3 mg/kg	0.3
PCB's	ND<0.2 mg/kg	ND<0.2 mg/kg	0.2
Diesel	N/A	ND<10 mg/kg	10

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 08/18/89

Reported: 08/25/89

Job #: 71021

Attn: George Wilson
L & W Environmental
2111 Jennings Street
San Francisco, CA. 94124

Project: Mike Roberts Color Productions

Analysis Method EPA 6010


Prep Method EPA 3050

mg/kg

Lab ID #: 71021-1 71021-2 71021-3 71021-4 71021-5
Client ID: R-D1-0 R-D2-0 R-D3-0 R-D4-0 ST1-3NE

TOTAL						MDL	% SPIKE RECOVERY
Tl	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	2.2	80
As	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	2.2	80
Hg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.0	86
Se	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.0	86
Mo	ND<1.0	ND<1.0	ND<1.0	9.6	ND<1.0	1.0	92
Sb	ND<1.0	ND<1.0	9.2	42.5	1.9	1.0	94
Zn	32.5	840	2270	9930	25.9	0.15	82
Cd	3.6	5.1	4.2	25.7	0.90	0.3	80
Pb	10.5	46.0	155	33.6	26.5	1.1	86
Co	0.62	1.1	0.68	5.6	5.4	0.5	84
Ni	9.2	63.5	30.4	43.4	14.7	0.65	88
Cr	18.4	85.8	330	21.0	6.0	0.15	82
V	ND<0.15	0.52	0.60	19.1	11.3	0.1	86
Be	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	0.025	84
Cu	31.0	81.5	18.0	40	10.5	0.1	88
Ag	345	95	143	ND<0.10	ND<0.10	0.1	74
Ba	2.1	3.6	2.2	1.5	110	0.1	88

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


Jaime Chow
Laboratory Director

EPA METHOD 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: SOIL-2
Sample Received: 08/22/89
Sample Analyzed: 08/23/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: 71024
Lab Client Code: 77604
Lab No.: 8908247-04A

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
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	10	2
Chlorobenzene	108-90-7	ND	3
Ethylbenzene	100-41-4	18	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	110	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

MRCP 00773

EPA METHOD 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

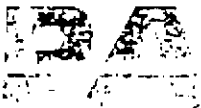
Sample I.D.: METHOD BLANK
Sample Received: 08/22/89
Sample Analyzed: 08/23/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: 71024
Lab Client Code: 77604
Lab No.: 8908247-05A

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	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

MRCF 00774



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: 08/31/89
Reported: 09/25/89
Job No #: 71049

Attn: George Wilson
L & W Environmental Services
2111 Jennings St.
San Francisco, CA. 94124

Project: Mike Roberts Color Productions
Matrix: Soil

Table with 6 columns: Lab ID, Client ID, Oil & Grease (mg/kg), pH, Sulfide, Cyanide. Contains 7 rows of data.

QA/QC: Spike Recovery for Oil & Grease: 77%
Spike Recovery for Oil & Grease: 84%

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

Detection limit for Oil & Grease: 20
Detection limit for Sulfide: 1.0
Detection limit for Cyanide: 1.0

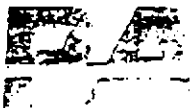
METHODS:

Oil & Grease EPA 9071
Sulfide EPA 9030

pH EPA 9045
Cyanide EPA 9010

Signature of Jaime Chow
Jaime Chow
Laboratory Director

Signature of Michael G'Brien
Michael G'Brien
QA/QC Officer



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: 08/31/89
Reported: 09/12/89
Job No. #: 71049

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

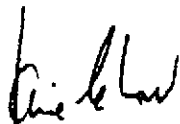
Project: Mike Roberts Color Productions
Matrix: Soil

Total Petroleum Hydrocarbons Analysis:
DHS Extraction Method (LUFT)
mg/kg


Lab ID	Client ID	Diesel	Gasoline	MDL
71049-1	SB-5-6.0	ND<10	ND<10	10
71049-2	SB-5-11.0	15	25	10
71049-3	SB-5-15.5	15	20	10
71049-4	SB-5-22.5	20	ND<10	10
71049-5	SB-5-25.5	ND<10	ND<10	10
71049-6	SB-6-20.5	ND<10	ND<10	10
71049-7	SB-6-25.5	ND<10	ND<10	10

QA/QC: Spike Recovery for Diesel: 113%
Spike Recovery for Gasoline: 112%

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



Jaime Chow
Laboratory Director



Michael O'Brien
QA/QC Officer

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: 08/31/89
Reported: 09/25/89
Job No #: 71049

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

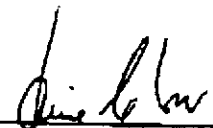
Project: Mike Roberts Color Productions
Matrix: Soil

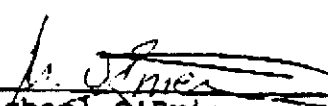
Halogenated Volatile Organics Analysis:
EPA Method 8010
mg/kg

Lab ID	Client ID	Methylene Chloride	1,1-dichloro-ethene	1,1-dichloro-ethane	Trans-1,2-dichloro-ethene	MDL
71049-1	SB-5-6.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-2	SB-5-11.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-3	SB-5-15.5	ND<0.12	ND<0.12	ND<0.12	ND<0.12	0.12
71049-4	SB-5-22.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-5	SB-5-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-6	SB-6-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-7	SB-6-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

QA/QC: Spike Recovery Average: 95%

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


Jaime Chow
Laboratory Director


Michael O'Brien
QA/QC Officer

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

MRCP 00777



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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

L & W Environmental
Job No. 71049

Page 2 of 3

Lab ID	Client ID	Chloro -form	1,2- Dichloro -ethane	1,1,1- Trichloro -ethane	Carbon tetra- chloride	MDL
71049-1	SB-5- 6.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-2	SB-5-11.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-3	SB-5-15.5	ND<0.12	ND<0.12	ND<0.12	ND<0.12	0.12
71049-4	SB-5-22.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-5	SB-5-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-6	SB-6-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-7	SB-6-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	Bromo- dichloro -methane	1,2- dichloro -propene	Tri- Chloro -ethene	Dibromo -chloro -methane	MDL
71049-1	SB-5- 6.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-2	SB-5-11.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-3	SB-5-15.5	ND<0.12	ND<0.12	ND<0.12	ND<0.12	0.12
71049-4	SB-5-22.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-5	SB-5-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-6	SB-6-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-7	SB-6-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	1,1,2- Trichloro -ethane	Trans-1,3 dichloro -propene	2-chloro -ethyl vinyl ether	Bromo -form	MDL
71049-1	SB-5- 6.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-2	SB-5-11.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-3	SB-5-15.5	ND<0.12	ND<0.12	ND<0.12	ND<0.12	0.12
71049-4	SB-5-22.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-5	SB-5-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-6	SB-6-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-7	SB-6-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	Tetra- chloro -ethene	1,1,2,2 Tetra- chloro -ethane	Chloro- benzene	1,3 Dichloro -benzene	MDL
71049-1	SB-5- 6.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-2	SB-5-11.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-3	SB-5-15.5	ND<0.12	ND<0.12	ND<0.12	ND<0.12	0.12
71049-4	SB-5-22.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-5	SB-5-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-6	SB-6-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-7	SB-6-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

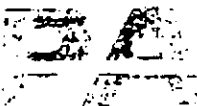


L & W Environmental
Job No. 71049

Page 3 of 3

Lab ID	Client ID	1,2-Dichloro-benzene	1,4-Dichloro-benzene	Dichloro-difluoro methane	Trichloro-fluoro-methane	MDL
71049-1	SB-5- 6.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-2	SB-5-11.0	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-3	SB-5-15.5	ND<0.12	ND<0.12	ND<0.12	ND<0.12	0.12
71049-4	SB-5-22.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-5	SB-5-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-6	SB-6-20.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71049-7	SB-6-25.5	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	Freon 113	MDL
71049-1	SB-5- 6.0	ND<0.03	0.03
71049-2	SB-5-11.0	ND<0.03	0.03
71049-3	SB-5-15.5	ND<0.12	0.12
71049-4	SB-5-22.5	ND<0.03	0.03
71049-5	SB-5-25.5	ND<0.03	0.03
71049-6	SB-6-20.5	ND<0.03	0.03
71049-7	SB-6-25.5	ND<0.03	0.03



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: 08/31/89

Reported: 09/25/89

Job #: 71049

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

Project: Mike Roberts Color Production
Matrix: Soil

Analysis Method EPA 6010
Prep Method EPA 3050
mg/kg

Lab ID #:	71049-1	71049-2	71049-3	71049-4	71049-5		% SPIKE RECOVERY
Client ID:	SB-5	SB-5	SB-5	SB-5	SB-5		
	-6.0	-11.0	-15.5	-22.5	-25.5		
METAL						MDL	
Tl	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	2.2	90
As	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	2.2	84
Hg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.0	94
Se	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.0	74
Mo	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.0	90
Sb	ND<1.0	1.05	3.85	ND<1.0	ND<1.0	1.0	44
Zn	52.0	200	1420	58.6	42	0.15	77
Cd	0.5	2.15	4.50	3.80	3.10	0.30	79
Pb	9.7	164	1270	24	12	1.1	92
Co	3.4	8.70	8.20	40	12.3	0.50	96
Ni	18	22	26.8	151	54.0	0.65	88
Cr	13.5	15.2	22.4	19.0	21	0.15	92
V	12	23.4	20	58.3	31	0.10	84
Be	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	0.025	94
Cu	13.3	64.0	200	44.2	22.6	0.10	98
Ag	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	0.10	102
Ba	29.2	167.1	662	1150	158	0.125	102

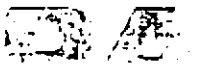
MDL: Method detection Limit: Compound below this level would not be detected.

Jaime Chow
Laboratory Director

Michael O'Brien
QA/QC Officer

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

MRCP 00780



L & W Environmental Services
Job No. 71049

Analysis Method 6010
Prep Method 3050
mg/kg

Lab ID #:	71049-6	71049-7		
Client ID:	SB-6	SB-6		
	-20.5	-25.5		% SPIKE RECOVERY
METAL			MDL	
Tl	ND<2.2	ND<2.2	2.2	90
As	ND<2.2	ND<2.2	2.2	84
Hg	ND<5.0	ND<5.0	5.0	94
Se	ND<5.0	ND<5.0	5.0	74
Mo	ND<1.0	ND<1.0	1.0	90
Sb	ND<1.0	ND<1.0	1.0	44
Zn	47	42.6	0.15	77
Cd	3.50	3.30	0.30	79
Pb	15.3	15	1.1	92
Co	19.0	11	0.50	96
Ni	48	54	0.65	88
Cr	23	25.0	0.15	92
V	53	25.0	0.10	84
Be	ND<0.025	ND<0.025	0.025	94
Cu	22.5	22.0	0.10	98
Ag	ND<0.10	ND<0.10	0.10	102
Ba	250	56.5	0.125	102

CHAIN OF CUSTODY RECORD

PROJ. NO. 9077		SAMPLES (Signature) <i>[Signature]</i>				ANALYSIS REQUESTED <div style="display: flex; justify-content: space-between; font-size: small;"> <div style="width: 20%; transform: rotate(-45deg);">TOTAL PETROLEUM HYDROCARBONS</div> <div style="width: 20%; transform: rotate(-45deg);">BTEX</div> <div style="width: 20%; transform: rotate(-45deg);">VOC-PPH BTEX</div> <div style="width: 20%; transform: rotate(-45deg);">TOTAL OIL & GREASE</div> <div style="width: 20%; transform: rotate(-45deg);">TETRATHIOL LENO</div> </div> <div style="margin-top: 10px; font-size: x-small;"> <i>Halogenated Oil & Grease PCBs</i> REMARKS <i>PCB metals</i> </div>									
PROJECT NAME AND ADDRESS: Mike Roberts Color Productions 6707 Bay St, Emeryville, Ca															
CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	X	X	X	X	X	X	X	X	X	
S-B1-5.5	7/5/87		X		Boeing B-1	X					X	X	X	X	
S-B1-10.5			X			X					X	X	X	X	
S-B1-16			X			X					X	X	X	X	
S-B1-20.5			X			X					X	X	X	X	
S-B1-25.5			X			X					X	X	X	X	
S-B1-30.5			X			X					X	X	X	X	
S-B2-60			X			X					X	X	X	X	
S-B2-10			X			X					X	X	X	X	
S-B2-16			X			X					X	X	X	X	
S-B2-20.5			X			X					X	X	X	X	
RELINQUISHED BY: (Signature)				DATE 7/5/87		RECEIVED BY: (Signature)				DATE 7/5/87					
<i>[Signature]</i>				TIME 4:40		<i>[Signature]</i>				TIME 4:40					
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 _____		RECEIVED FOR LABORATORY BY: (Signature)				DATE _____					

CHAIN OF CUSTODY RETURN

PROJ. NO. 7077	ANALYST (Signature) <i>Mark Chase</i>					ANALYSIS REQUESTED TOTAL PETROLEUM HYDROCARBONS BTEX VOC-SPA BPA & B270 TOTAL OIL & GRASS TETRAMETHYLLITH PAK - Disposed				
PROJECT NAME AND ADDRESS: Miller Roberts Sales Production 6207 Bay Street Emeryville, Ca										
CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION					
S-13-5.0	8-28-87	8:25A	X		Boring B-3	X	X	X	X	
S-13-10.0	"	8:12A	X		↓	X		X	X	
S-13-15.0	"	8:52A	X		↓	X		X	X	
S-13-20.0	"	9:03A	X		↓	X		X	X	
S-13-25.0	"	9:10A	X		↓	X		X	X	
S-14-4.5	"	11:25A	X		Boring B-4	X	X	X	X	
S-14-10.0	"	11:38A	X		↓	X		X	X	
S-14-14.5	"	11:45	X		↓	X		X	X	
RELINQUISHED BY: (Signature)				DATE 8-28-87		RECEIVED BY: (Signature)				DATE 8-28-87
<i>Mark Chase</i>				TIME 2:40 P		<i>Lacey Wong</i>				TIME 2:45 P
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		RECEIVED FOR LABORATORY BY: (Signature)				DATE

CHAIN OF CUSTODY RECORD

PROJ. NO. 9077	SAMPLER'S (Signature) <i>Jack [Signature]</i>					ANALYSIS REQUESTED <div style="display: flex; justify-content: space-around; font-size: small;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TOTAL PETROLEUM HYDROCARBONS</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOC-OPA BVS E-8270</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TOTAL OIL & GREASE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TETRAHYD LITH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PRE-Disposal</div> </div>									
PROJECT NAME AND ADDRESS: Miles Roberts Coke Productions 6707 Bay Street Emeryville, Calif															
CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION										
S-BS-10	8-31-81	8:35A	X		BORING B-5	X		X	X						
S-BS-11.0		8:44	X		" "	X			X						
S-BS-13.5		8:50A	X		" "	X			X						
S-BS-22.5		9:03A	X		" "	X			X						
S-BS-25.5		9:15A	X		" "	X			X						
S-BS-25.5		1:30P	X		" B-6	X			X						
S-BS-25.5		1:45P	X		" B-6	X			X						
RELINQUISHED BY: (Signature) <i>[Signature]</i>						DATE 8-31-81	RECEIVED BY: (Signature) <i>[Signature]</i>				DATE 8-31				
RELINQUISHED BY: (Signature)						TIME 3:18					TIME 3:18				
RELINQUISHED BY: (Signature)						DATE -----	RECEIVED BY: (Signature) <i>[Signature]</i>				DATE 8-31-81				
RELINQUISHED BY: (Signature)						TIME -----					TIME 3:22				
RELINQUISHED BY: (Signature)						DATE -----	RECEIVED BY: (Signature)				DATE -----				
RELINQUISHED BY: (Signature)						TIME -----	RECEIVED FOR LABORATORY BY: (Signature)				TIME -----				

CITIZEN OF CALIFORNIA RECORD

PROJ. NO.		SAMPLES: (Signature)				ANALYSIS REQUESTED	
PROJECT NAME AND ADDRESS:						TOTAL PETROLEUM HYDROCARBONS BTEX VOC-EPA 8260 F 8220 TOTAL OIL & GREASE TETRAETHYL LEAD PRE-DISPOSAL CANN METALS	
MIKE ROBERTS COLOR PRODUCTIONS 12707 BAY STREET EMERYVILLE, CA							
CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	REMARKS	
SUMP #2	8-21-87	1:00P		X	SUMP (WEST) INSIDE	X	
SUMP #3	8-21-87	1:20P		X	SUMP (EAST) INSIDE	X	
SUMP #3	8-21-87	1:20P			SUMP (EAST) SWIPE SAMPLE		
SOIL -3	8-21-87	1:50P	X		CURB SPLIT 1' DEEP	X	HOLD
SOIL -4	8-21-87	1:55P	X		CURB SPLIT 3' DEEP	X	
SOIL -5	8-21-87	2:30P	X		SUMP #1 SOIL -1'	X	
SOIL -2	8-21-87	11:00A	X		SOIL CENTER (TANK #2)	X	
RELINQUISHED BY: (Signature)						DATE	RECEIVED BY: (Signature)
(Signature)						8-21-87	Raj Paudher
RELINQUISHED BY: (Signature)						TIME	RECEIVED BY: (Signature)
						3:43P	
RELINQUISHED BY: (Signature)						DATE	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)						TIME	RECEIVED FOR LABORATORY BY: (Signature)
RELINQUISHED BY: (Signature)						DATE	RECEIVED FOR LABORATORY BY: (Signature)
RELINQUISHED BY: (Signature)						TIME	RECEIVED FOR LABORATORY BY: (Signature)

CHAIN OF CUSTODY RECORD

8908247

PROJ. NO. 71024
SAMPLERS (Signature)
PROJECT NAME AND ADDRESS:
 4136 Lakeside Drive Jaime Chow.
 Richmond - CA - 94806
 (415) 222-3002

ANALYSIS REQUESTED
 TOTAL PETROLEUM HYDROCARBONS
 BTEX
 VOC-EPA 8210
 TOTAL OIL & GREASE

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	ANALYSIS REQUESTED				REMARKS
Soil # 3	8/21/89	1:50PM	X		Regular Turn road. Curb split 1' Deep					
Soil - 4	8/21/89	1:55PM	X		Curb split 3' Deep		X			
Soil - 5	8/21/89	2:30PM	X		Sump #1 Soil - I'		X			
Soil - 2	8/21/89	11:00A	X		Soil center (Tank #2)		X			

RELINQUISHED BY: (Signature) Sumner Pal Sotny	DATE 8/22/89 TIME 1:05	RECEIVED BY: (Signature) Terry Salvo	DATE 8/22/89 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) Rebecca Turner Ciarello	DATE 8/22/89 TIME _____

UNIT NO. OF CUSTODY RECORD

PROJ.		SAMPLER(S) (Signature) <i>Keith Jay</i>					ANALYSIS REQUESTED TOTAL PETROLEUM HYDROCARBONS BTEX VOC-CPA BTEX TOTAL OIL & CRUDE TETRATHYLL LEAD PPK DISPERSED <small>CONC. LIMITS</small>					
PROJECT NAME AND ADDRESS: MIKE ROBERTS COLMA PRODUCTIONS 12707 BAY ST. EVERETT, CA												
CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION							
SUMP-1	8/21/89	9:20A		X	SUMP WELL (BACK)		X	X	X	X	X	
SOIL-1	8/21/89	10:30A	X		SOIL (TANK 1 - NORTH)			X	X		X	
RELINQUISHED BY (Signature) <i>Keith Jay</i>					DATE 8-21-89 TIME 10:50A		RECEIVED BY (Signature) <i>[Signature]</i>					DATE 8/21
RELINQUISHED BY (Signature) <i>[Signature]</i>					DATE 8/21/89 TIME 11:00A		RECEIVED BY (Signature) <i>Sarcy Way</i>					DATE 8/21 TIME 11
RELINQUISHED BY (Signature)					DATE TIME		RECEIVED BY (Signature)					DATE TIME
RELINQUISHED BY (Signature)					DATE TIME		RECEIVED FOR LABORATORY BY (Signature)					DATE TIME

GROUNDWATER
INVESTIGATION

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: 07/06/89

Reported: 07/10/89

Job No #: 70921

Attn: George Wilson
Mike Roberts Color Productions
6707 Bay Street
Emeryville, CA.

Project: Monitoring Well MW-1

Total Petroleum Hydrocarbon Analysis: By Modified Method 8015
Polychlorinated Biphenyls Analysis; EPA Method 8080
mg/l

Lab ID	Client ID	Diesel	Gasoline	PCB's
70921-1	#W MW1-11	ND<0.5	ND<0.5	ND<0.5

QA/QC: Spike Recovery for Gasoline: 100.8%
Spike Recovery for PCB's: 116%

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

Detection Limit for Diesel: 0.5
Detection Limit for Gasoline: 0.5
Detection Limit for PCB: 0.5

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: 07/06/89

Reported: 07/10/89

Job No #: 70921

Attn: George Wilson
Mike Roberts Color Productions
6707 Bay Street
Emeryville, CA.

Project: Monitoring Well MW-1

Aromatic Volatile Hydrocarbon Analysis:
EPA Method 8020
ug/l

Lab ID	Client ID	Benzene	Toluene	MDL
70921-1	#W MW1-11	ND<0.3	ND<0.3	0.3

Lab ID	Client ID	Ethylbenzene	Xylene	MDL
70921-1	#W MW1-11	ND<0.3	ND<0.3	0.3

QA/QC: Spike Recovery for Benzene: 84%

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: 07/06/89

Reported: 07/10/89

Job #: 70921

Attn: George Wilson
Mike Roberts Color Production
6707 Bay Street
Emeryville, CA.

Project: Monitoring Well MW-1

Analysis Method EPA 6010

Prep Method EPA 3010

mg/l

Lab ID #: 70921-1

Client ID: #W MW1-11 Monitoring Well MW-1

METAL		MDL	% SPIKE RECOVERY
Tl	ND<0.088	0.088	96
As	ND<0.088	0.088	102
Hg	ND<0.2	0.2	108
Se	ND<0.2	0.2	90
Mo	ND<0.040	0.04	86
Sb	ND<0.040	0.04	70
Zn	0.18	0.06	83
Cd	0.013	0.012	90
Pb	0.063	0.044	88
Co	0.021	0.02	86
Ni	0.10	0.026	83
Cr	0.064	0.006	90
V	0.060	0.004	90
Be	ND<0.001	0.001	96
Cu	0.040	0.004	87
Ag	0.022	0.004	66
Ba	0.60	0.004	86

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

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: 07/06/89
Reported: 07/10/89
Job No. #: 70921

Attn: George Wilson
Mike Roberts Color Production
6707 Bay Street
Emeryville, CA.

Halogenated Volatile Organics
EPA Method 8010
ug/l

Lab ID: 70921-1
Client ID: #W MW1-11 Monitoring Well MW-1

Compound	Concentration	MDL
Chloromethane	ND<0.3	0.3
Bromomethane	ND<0.3	0.3
Vinyl Chloride	ND<0.3	0.3
Chloroethane	ND<0.3	0.3
Methylene chloride	ND<0.3	0.3
1,1-dichloroethane	ND<0.3	0.3
Trans-1,2 dichloroethene	ND<0.3	0.3
Chloroform	ND<0.3	0.3
1,2 dichloroethane	ND<0.3	0.3
1,1,1-trichloroethane	ND<0.3	0.3
Carbon tetrachloride	ND<0.3	0.3
Bromodichloromethane	ND<0.3	0.3
1,1-dichloropropene	ND<0.3	0.3
Trichloroethene	ND<0.3	0.3
Dibromochloromethane	ND<0.3	0.3
1,1,2-trichloroethane	ND<0.3	0.3

QA/QC: Spike Recovery for Carbon tetrachloride: 99%

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

Mike Roberts Color Production
Job No. 70921

Page 2 of 2

Halogenated Volatile Organics
EPA Method 8010
ug/l

Compound	Concentration	MDL
Trans 1,3-dichloropropene	ND<0.3	0.3
2-chloroethyl vinyl ether	ND<0.3	0.3
Bromoform	ND<0.3	0.3
Tetrachloroethene	ND<0.3	0.3
1,1,2,2-tetrachloroethane	ND<0.3	0.3
Chlorobenzene	ND<0.3	0.3
1,3 Dichlorobenzene	ND<0.3	0.3
1,2 Dichlorobenzene	ND<0.3	0.3
1,4 Dichlorobenzene	ND<0.3	0.3
Dichlorodifluoromethane	ND<0.3	0.3
Trichlorofluoromethane	ND<0.3	0.3

8

CHAIN OF CUSTODY RECORD

In. No. 177
 SAMPLER'S (Signature) [Signature]
 PROJECT NAME AND ADDRESS:
Miles Roberts Cable Production
5707 Bay Street, Emeryville, Ca

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS
 BTEX
 VOC-EPA 8240
 TOTAL OIL & GREASE
 PCB's
 Halogenated
 CAM Metals

CLASSIFICATION NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTEX	VOC-EPA 8240	TOTAL OIL & GREASE	PCB's	Halogenated	CAM Metals	REMARKS
01-11				X	MONITORING well MW-1	X	X	X	X	X	X		3.1 ± 2.40m/ (voc)

ACQUIRED BY: (Signature) <u>[Signature]</u>	DATE <u>7/6/89</u> TIME <u>2:05</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	DATE <u>7/8/89</u> TIME <u>2:00</u>
ACQUIRED BY: (Signature)	DATE _____ TIME _____	RECEIVED BY: (Signature)	DATE _____ TIME _____
ACQUIRED BY: (Signature)	DATE _____ TIME _____	RECEIVED BY: (Signature)	DATE _____ TIME _____
ACQUIRED BY: (Signature)	DATE _____ TIME _____	RECEIVED FOR LABORATORY BY: (Signature)	DATE _____ TIME _____

EPA METHOD 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: 9077-W-MW1-11
Sample Received: 07/07/89
Sample Analyzed: 07/10/89
Sample Matrix: WATER

Client: PRECISION ANALYTICAL
Client Ref. No.: 9077
Lab Client Code: 0642
Lab No.: 8907049-01A

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	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: 07/07/89
Sample Analyzed: 07/10/89
Sample Matrix: WATER

Client: PRECISION ANALYTICAL
Client Ref. No.: 9077
Lab Client Code: 0642
Lab No.: 8907049-02A

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	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

CHAIN OF CUSTODY RECORD

8907049

PROJ. NO. 9677 **SAMPLER(S) (Signature)** Jack *[Signature]* (Mike Brown)

PROJECT NAME AND ADDRESS: Precision Analytical
 4136 Lakeside Drive Richmond Ca - 94806.
 (415) 222-3002 FAX (415) 222-1251
 5day's Turn around.

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS	DIX	VOC-EPA 8210
		TOTAL OIL & GREASE 8250

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	REMARKS
W-MW1-11	7/7/89				9077-W-MW1-11	X

RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE 7/7/89	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE 7-7-89
RELINQUISHED BY: (Signature)	TIME 1: PM	RECEIVED BY: (Signature)	TIME 2: 15 PM
RELINQUISHED BY: (Signature)	DATE -----	RECEIVED BY: (Signature)	DATE -----
RELINQUISHED BY: (Signature)	TIME -----	RECEIVED BY: (Signature)	TIME -----
RELINQUISHED BY: (Signature)	DATE -----	RECEIVED BY: (Signature)	DATE -----
RELINQUISHED BY: (Signature)	TIME -----	RECEIVED FOR LABORATORY BY: (Signature)	TIME -----
RELINQUISHED BY: (Signature)	DATE -----		DATE -----
RELINQUISHED BY: (Signature)	TIME -----		TIME -----

CERTIFICATE OF ANALYSIS

State License No. 211

Received: 09/07/89

Reported: 09/14/89

Job No #: 71057

Attn: George Wilson
 L & W Environmental Services
 2111 Jennings Street
 San Francisco, CA. 94124

Project: Mike Roberts Color Productions
 Matrix: Water

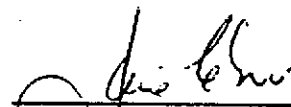
Total Petroleum Hydrocarbon Analysis;
 By EPA Method 5030 & DHS Extraction Method
 mg/l

Lab ID	Client ID	Diesel	Gasoline
71057-1	W-MW-1-11.7	ND<0.5	ND<0.5
71057-2	W-MW-3- 9.10	ND<0.5	ND<0.5
71057-3	W-MW-5-10.3	ND<0.5	ND<0.5
71057-4	W-MW-6-10.6	ND<0.5	ND<0.5

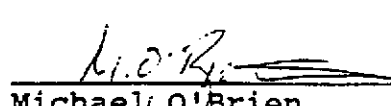
QA/QC: Spike Recovery for Diesel: 89%
 Spike Recovery for Gasoline: 91%

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

Detection limit for Diesel: 5
 Detection limit for Gasoline: 0.5



 Jaime Chow
 Laboratory Director



 Michael O'Brien
 QA/QC Officer

CERTIFICATE OF ANALYSIS

State License No. 211

Received: 09/07/89

Reported: 09/14/89

Job No #: 71057

Attn: George Wilson
 L & W Environmental Services
 2111 Jennings Street
 San Francisco, CA. 94124

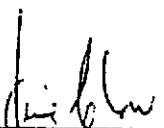
Project: Mike Roberts Color Productions
 Matrix: Water

Oil & Grease Analysis;
 By EPA Method 9070
 mg/l

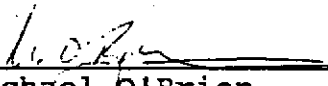
Lab ID	Client ID	Oil & Grease	MDL
71057-1	W-MW-1-11.7	ND<10	10
71057-2	W-MW-3- 9.10	ND<10	10
71057-3	W-MW-5-10.3	ND<10	10
71057-4	W-MW-6-10.6	ND<10	10

QA/QC: Spike Recovery for Oil & Grease: 82%

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



 Jaime Chow
 Laboratory Director



 Michael O'Brien
 QA/QC Officer

TANK EXCAVATION
SOIL SAMPLES

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 10/05/89
 Reported: 10/23/89
 Job No. #: 71103

Attn: George Wilson
 L & W Environmental Services
 2111 Jennings Street
 San Francisco, CA. 94124

Project: Mike Roberts Color Productions

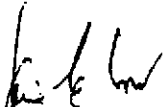
Total Petroleum Hydrocarbon Analysis
 By DHS Method (LUFT)
 mg/kg

Lab ID	Client ID	Diesel	Gasoline	MDL
71103-1	SS-1 E. End Tank 1	12	* 12	10
71103-2	SS-2 W. End Tank 1	11	ND<10	10
71103-3	SS-3 E. End Tank 2	ND<10	ND<10	10
71103-4	SS-4 W. End Tank 2	60	* 240	10
71103-5	SS-5 E. End Tank 3	35	115	10
71103-6	SS-6 W. End Tank 3	700	460	100

* Weathered Gas

QA/QC: Spike Recovery for Diesel: 94%
 Spike Recovery for Gasoline: 107%

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



 Jaima Chow
 Laboratory Director

CERTIFICATE OF ANALYSIS

State License No. 211

Received: 10/05/89
 Reported: 10/23/89
 Job No #: 71103

Attn: George Wilson
 L & W Environmental Services
 2111 Jennings Street
 San Francisco, CA. 94124

Project: Mike Roberts Color Productions

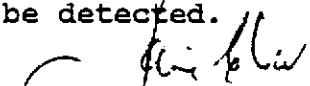
Aromatic Volatile Hydrocarbon Analysis:
 EPA Method 8020
 mg/kg

Lab ID	Client ID	Benzene	Ethyl- benzene	Toluene	Xylene	MDL
71103-1	SB1-E. End Tank 1	1.3	0.04	*	0.30	0.03
71103-2	SB2-W. End Tank 1	0.23	0.03	0.06	0.05	0.03
71103-3	SB3-E. End Tank 2	ND<0.03	ND<0.03	0.05	0.035	0.03
71103-4	SB4-W. End Tank 2	1.4	.11	*	1.1	0.3
71103-5	SB5-E. End Tank 3	ND<0.3	ND<0.3	*	1.0	0.3
71103-6	SB6-W. End Tank 3	4.6	ND<1.5	*	7.5	1.5

* Interference by 4-Methyl-2-Pentanone makes quantification of toluene by PID in sample impractical.

QA/QC: Spike Recovery for Benzene: 78%
 Spike Recovery for Toluene: 80%
 Spike Recovery for O-Xylene: 67%

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


 Jaime Chow
 Laboratory Director



CERTIFICATE OF ANALYSIS

State License No. 211

Received: 10/05/89

Reported: 10/26/89

Job No #: 71103

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

Project: Mike Roberts Color Productions
Matrix: Soil

Halogenated Volatile Organics Analysis:
EPA Method 8010
mg/kg

Lab ID	Client ID	Methylene Chloride	1,1-dichloro-ethene	1,1-dichloro-ethane	Trans-1,2-dichloro-ethene	MDL
71103-1	SB1-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-2	SB2-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-3	SB3-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-4	SB4-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-5	SB5-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-6	SB6-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	Chloro-form	1,2-Dichloro-ethane	1,1,1-Trichloro-ethane	Carbon tetra-chloride	MDL
71103-1	SB1-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-2	SB2-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-3	SB3-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-4	SB4-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-5	SB5-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-6	SB6-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

QA/QC: Spike Recovery Average: 82%

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


Jaime Chow
Laboratory Director



L & W Environmental
Job No. 71103

Lab ID	Client ID	Bromo-dichloro-methane	1,2-dichloro-propene	Tri-Chloro-ethene	Dibromo-chloro-methane	MDL
71103-1	SB1-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-2	SB2-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-3	SB3-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-4	SB4-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-5	SB5-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-6	SB6-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	1,1,2-Trichloro-ethane	Trans-1,3-dichloro-propene	2-chloro-ethyl vinyl ether	Bromo-form	MDL
71103-1	SB1-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-2	SB2-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-3	SB3-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-4	SB4-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-5	SB5-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-6	SB6-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	Tetra-chloro-ethane	1,1,2,2-Tetra-chloro-ethane	Chloro-benzene	1,3-Dichloro-benzene	MDL
71103-1	SB1-E.End	ND<0.03	ND<0.03	ND<0.03	0.12	0.03
71103-2	SB2-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-3	SB3-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-4	SB4-W.End	ND<0.03	ND<0.03	ND<0.03	2.0	0.03
71103-5	SB5-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-6	SB6-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	1,2-Dichloro-benzene	1,4-Dichloro-benzene	Dichloro-difluoro-methane	Trichloro-fluoro-methane	MDL
71103-1	SB1-E.End	ND<0.03	0.26	ND<0.03	ND<0.03	0.03
71103-2	SB2-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-3	SB3-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-4	SB4-W.End	0.07	2.4	ND<0.03	ND<0.03	0.03
71103-5	SB5-E.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03
71103-6	SB6-W.End	ND<0.03	ND<0.03	ND<0.03	ND<0.03	0.03

Lab ID	Client ID	Freon 113	MDL
71103-1	SB1-E.End	ND<0.03	0.03
71103-2	SB2-W.End	ND<0.03	0.03
71103-3	SB3-E.End	ND<0.03	0.03
71103-4	SB4-W.End	ND<0.03	0.03
71103-5	SB5-E.End	ND<0.03	0.03
71103-6	SB6-W.End	ND<0.03	0.03

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

MRCP 00809

91577
 PROJECT NAME: KEITH JAY
 ADDRESS: 6707 BAY STREET
EMERYVILLE, CA

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS
 BTEX
 VOC-APP BPA
 TOTAL OIL & GREASE
 TETRATHYLE LEAD
 HALOGENATEDS

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTEX	VOC-APP BPA	TOTAL OIL & GREASE	TETRATHYLE LEAD	HALOGENATEDS	REMARKS
SS-1	10/5/89	13:49	✓		E. END TANK 1 (BENEATH)	X	X				X	
SS-2	10/5/89	1:00P	X		W. END TANK 1	X	X				X	
SS-3	10/5/89	1:10P	X		E. END TANK 2	X	X				X	
SS-4	10/5/89	1:20P	X		W. END TANK 2	X	X				X	
SS-5	10/5/89	1:30P	X		E. END TANK 3	X	X				X	
SS-6	10/5/89	1:40P	X		W. END TANK 3	X	X				X	

MRCP 00805

RELINQUISHED BY: (Signature)
Keith Jay

RELINQUISHED BY: (Signature)

RELINQUISHED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE 10/5/89
 TIME 2:50P

DATE _____
 TIME _____

DATE _____
 TIME _____

DATE _____
 TIME _____

RECEIVED BY: (Signature)
[Signature]

RECEIVED BY: (Signature)

RECEIVED BY: (Signature)

RECEIVED FOR LABORATORY BY: (Signature)

DATE 10/5
 TIME 2:57P

DATE _____
 TIME _____

DATE _____
 TIME _____

DATE _____
 TIME _____



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

MEMO

To: Don McClenagan

From: Curtis B. Jenkins

January 23, 1990

Job No.: 0389058

Page 1 of 43

LABORATORY REPORT

Samples: Seven (7) soil samples from Mike Roberts Color Production, received 1/6/90, analyzed 1/19/90.

Sample ID	EPA 8015 (gasoline)	EPA 8015 (Diesel)	503D
	-----mg/kg-----		
BH11-1	ND	ND	45,000
BH11-2	ND	ND	30,400
BH12-1	ND	ND	12,000
BH12-2	ND	ND	38,800
BH13-1	ND	ND	9,400
BH13-2	ND	ND	3,000
Sump	ND	ND	10,500

EPA 8080, Metals, EPA 8240 & EPA 8270 - see attached sheets

David Mikesell
David Mikesell
Chemist

Curtis B. Jenkins
Curtis B. Jenkins
Laboratory Director

mkrobl.rep

MRCF 00177



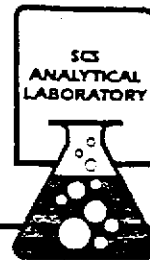
2660 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
TEL (714) 595-9324
FAX (714) 595-6709

Addendum Report, EPA 8080
Page 8 of 43

Sample I.D.: Surp
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	4.2	1

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(714) 595-9324
FAX (714) 595-6709

Addendum Report, CAM Metals
Page 15 of 43

Sample I.D.: Sump
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	180	0.1
Beryllium	7090	0.48	0.02
Cadmium	7130	ND	0.7
Chromium	7190	95	0.5
Cobalt	7200	10	0.4
Copper	7210	49	0.2
Lead	7420	62	3
Mercury	7471	0.022	0.009
Molybdenum	7480	ND	1
Nickel	7520	135	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	39	0.3
Zinc	7950	150	0.4

ND = Not Detected
D.L. Detection Limit

MRCP 00191



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8240
Page 28 of 43

Sample I.D.: Sump
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result -----ug/kg (ppb)-----	D.L.
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

MRCP 00204



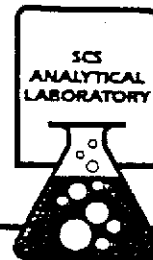
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8240 (Cont.)
Page 29 of 43

Sample I.D.: Sump
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result ----ug/kg (ppb) ----	D.L.
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90805
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8270
Page 42 of 43

Sample I.D.: Sump
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9	Acenaphthene	ND 300
208-96-8	Acenaphthylene	ND 300
120-12-7	Anthracene	ND 300
56-55-3	Benzo(a)Anthracene	ND 300
205-99-2	Benzo(b & k)Fluoranthenes	ND 300
191-24-2	Benzo(ghi)perylene	ND 300
50-32-8	Benzo(a)pyrene	ND 300
65-85-0	Benzoic Acid	ND 2000
100-51-6	Benzyl Alcohol	ND 300
111-91-1	Bis(2-Chloroethoxy) Methane	ND 300
111-44-4	Bis(2-Chloroethyl) Ether	ND 300
39638-32-9	Bis(2-Chloroisopropyl) Ether	ND 300
117-81-7	Bis(2-ethylhexyl) Phthalate	ND 2000
101-55-3	4-Bromophenyl Phenyl Ether	ND 300
85-68-7	Butyl Benzyl Phthalate	ND 300
106-47-8	4-Chloroaniline	ND 300
59-50-7	4-Chloro-3-Methylphenol	ND 300
91-58-7	2-Chloronaphthalene	ND 300
95-57-8	2-Chlorophenol	ND 300
7005-72-3	4-Chlorophenyl Phenyl Ether	ND 300
218-01-9	Chrysene	ND 300
53-70-3	Dibenzo(a,h)anthracene	ND 300
132-64-9	Dibenzofuran	ND 300
84-74-2	Di-N-Butyl Phthalate	ND 300
95-50-1	1,2-Dichlorobenzene	ND 300
541-73-1	1,3-Dichlorobenzene	ND 300
106-46-7	1,4-Dichlorobenzene	ND 300
91-94-1	3,3'-Dichlorobenzidine	ND 700
120-83-2	2,4-Dichlorophenol	ND 300
84-66-2	Diethyl Phthalate	ND 300
105-67-9	2,4-Dimethylphenol	ND 300
131-11-3	Dimethyl Phthalate	ND 300
534-52-1	4,6-Dinitro-2-Methylphenol	ND 2000
51-28-5	2,4-Dinitrophenol	ND 2000

D.L. = Detection Limit
ND = Not Detected

MRCP 00218



Sample I.D.: Sump
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob1.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

MRCP 00219



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

MEMO

To: Don McClenagan

From: Curtis B. Jenkins

January 23, 1990

Job No.: 0389058

Page 1 of 49

LABORATORY REPORT

Samples: Eight (8) soil samples from Mike Roberts Color Production, received 1/6/90, analyzed 1/19/90.

Sample ID	EPA 8015 (gasoline)	EPA 8015 (Diesel)	503D
MW7-1	ND	ND	2,000
MW7-2	ND	ND	20,000
MW8-1	ND	ND	9,000
MW8-2	ND	788	8,800
B9-1	ND	ND	23,000
B9-2	ND	5050	15,000
B10-1	ND	380	9,500
B10-2	ND	ND	6,300

Detection Limit 10 10

* Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.

EPA 8080, Metals, EPA 8240 & EPA 8270 - see attached sheets

David Mikesell
Chemist

Curtis B. Jenkins
Laboratory Director



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8080
Page 2 of 49

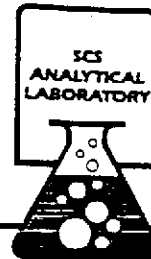
Sample I.D.: MW7-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

D.L. = Detection Limit
ND = Not Detected

MRCP 00129



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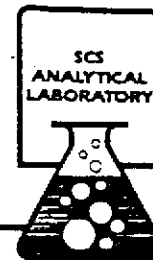
Sample I.D.: MW7-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	---mg/kg (ppm)---	
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	2.3	1

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

D.L. = Detection Limit
ND = Not Detected

MRCF 00130



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Sample I.D.: MW8-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result -----mg/kg (ppm)-----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

D.L. = Detection Limit
ND = Not Detected

MRCP 00131



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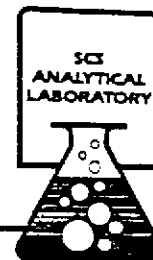
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Sample I.D.: MW8-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result -----mg/kg (ppm)-----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

D.L. = Detection Limit
ND = Not Detected



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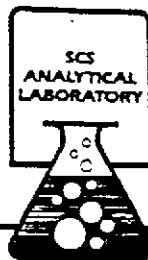
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Sample I.D.: B9-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected

MRCF 00133



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Sample I.D.: BH9-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected

MRCP 00134



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Sample I.D.: B10-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result -----mg/kg (ppm)-----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected

MRCP 00135



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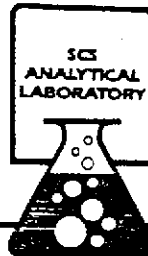
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Sample I.D.: B10-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result -----mg/kg (ppm)-----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected

MRCP 00136



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Sample I.D.: MW7-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	42	0.1
Beryllium	7090	0.16	0.02
Cadmium	7130	ND	0.7
Chromium	7190	27	0.5
Cobalt	7200	2.8	2
Copper	7210	18	0.2
Lead	7420	ND	12
Mercury	7471	ND	0.009
Molybdenum	7480	ND	1
Nickel	7520	18	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	15	0.3
Zinc	7950	75	0.4

ND = Not Detected
D.L. Detection Limit

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00137



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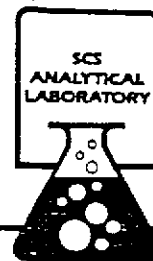
Sample I.D.: MW7-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	85	0.1
Beryllium	7090	0.15	0.02
Cadmium	7130	ND	0.7
Chromium	7190	9.6	0.5
Cobalt	7200	ND	2
Copper	7210	41	0.2
Lead	7420	24	12
Mercury	7471	0.36	0.009
Molybdenum	7480	ND	1
Nickel	7520	6.8	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	8.5	0.3
Zinc	7950	120	0.4

ND = Not Detected
D.L. Detection Limit

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00138



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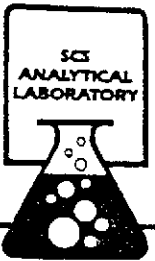
Sample I.D.: MW8-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	140	0.1
Beryllium	7090	0.48	0.02
Cadmium	7130	ND	0.7
Chromium	7190	32	0.5
Cobalt	7200	8.6	2
Copper	7210	27	0.2
Lead	7420	ND	12
Mercury	7471	ND	0.009
Molybdenum	7480	ND	1
Nickel	7520	28	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	36	0.3
Zinc	7950	79	0.4

ND = Not Detected
D.L. Detection Limit

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00139



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Sample I.D.: MW8-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result	D.L.
		-----mg/kg (ppm)-----	
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	24	0.1
Beryllium	7090	0.13	0.02
Cadmium	7130	ND	0.7
Chromium	7190	21	0.5
Cobalt	7200	ND	2
Copper	7210	3.6	0.2
Lead	7420	ND	12
Mercury	7471	0.088	0.009
Molybdenum	7480	ND	1
Nickel	7520	16	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	12	0.3
Zinc	7950	310	0.4

ND = Not Detected
D.L. Detection Limit

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00140



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Sample I.D.: B9-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L.
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	140	0.1
Beryllium	7090	0.41	0.02
Cadmium	7130	ND	0.7
Chromium	7190	33	0.5
Cobalt	7200	7.4	2
Copper	7210	55	0.2
Lead	7420	41	12
Mercury	7471	0.45	0.009
Molybdenum	7480	ND	1
Nickel	7520	32	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	31	0.3
Zinc	7950	120	0.4

ND = Not Detected
D.L. Detection Limit

MRCP 00141



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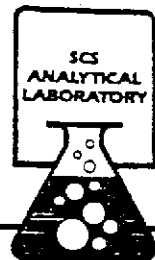
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Sample I.D.: B9-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	16
Arsenic	7060	ND	16
Barium	7080	610	0.1
Beryllium	7090	0.31	0.02
Cadmium	7130	44	0.7
Chromium	7190	180	0.5
Cobalt	7200	15	2
Copper	7210	2300	0.2
Lead	7420	980	12
Mercury	7471	0.66	0.009
Molybdenum	7480	27	1
Nickel	7520	350	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	26	0.3
Zinc	7950	6200	0.4

ND = Not Detected
D.L. Detection Limit

MRCP 00142



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Sample I.D.: B10-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result	D.L.
		-----mg/kg (ppm)-----	
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	33	0.1
Beryllium	7090	0.05	0.02
Cadmium	7130	ND	0.7
Chromium	7190	23	0.5
Cobalt	7200	ND	2
Copper	7210	39	0.2
Lead	7420	42	12
Mercury	7471	0.10	0.009
Molybdenum	7480	ND	1
Nickel	7520	10	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	5	0.3
Zinc	7950	95	0.4

ND = Not Detected
D.L. Detection Limit



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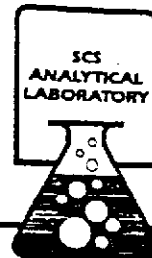
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Sample I.D.: B10-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L.
Antimony	7040	ND	16
Arsenic	7060	21	16
Barium	7080	590	0.1
Beryllium	7090	0.33	0.02
Cadmium	7130	1.3	0.7
Chromium	7190	34	0.5
Cobalt	7200	6.9	2
Copper	7210	140	0.2
Lead	7420	1500	12
Mercury	7471	0.62	0.009
Molybdenum	7480	ND	1
Nickel	7520	24	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	28	0.3
Zinc	7950	410	0.4

ND = Not Detected
D.L. Detection Limit

MRCP 00144



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Sample I.D.: MW7-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

MRCP 00145

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.



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Sample I.D.: MW7-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00146



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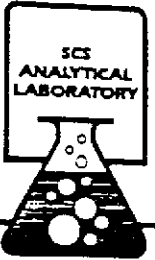
Sample I.D.: MW7-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		-----ug/kg (ppb)-----	
67-64-1	Acetone	ND	500
107-02-8	Acrolein	ND	500
107-13-1	Acrylonitrile	ND	500
71-43-2	Benzene	ND	100
75-27-4	Bromodichloromethane	ND	100
75-25-2	Bromoform	ND	100
74-83-9	Bromomethane	ND	300
78-93-3	2-Butanone	ND	500
75-15-0	Carbon Disulfide	ND	100
56-23-5	Carbon Tetrachloride	ND	100
108-90-7	Chlorobenzene	ND	100
124-48-1	Chlorodibromomethane	ND	100
75-00-3	Chloroethane	ND	300
110-75-8	2-Chloroethyl Vinyl Ether	ND	500
67-66-3	Chloroform	ND	100
74-87-3	Chloromethane	ND	300
74-95-3	Dibromomethane	ND	100
110-56-5	1,4-Dichlorobutane	ND	100
75-71-8	Dichlorodifluoromethane	ND	100
75-34-3	1,1-Dichloroethane	ND	100
107-06-2	1,2-Dichloroethane	ND	100
75-35-4	1,1-Dichloroethene	ND	100
156-60-5	trans-1,2-Dichloroethene	ND	100
78-87-5	1,2-Dichloropropane	ND	100
10061-01-5	cis-1,3-Dichloropropene	ND	100
10061-02-6	trans-1,3-Dichloropropene	ND	100
64-17-5	Ethanol	ND	100
100-41-4	Ethylbenzene	ND	100
97-63-2	Ethyl Methylacrylate	ND	100
591-78-6	2-Hexanone	ND	300
74-88-4	Iodomethane	ND	100
75-09-2	Methylene Chloride	ND	500
108-10-1	4-Methyl-2-Pentanone	8300	300

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00147



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Sample I.D.: MW7-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	100
79-34-5	1,1,2,2-Tetrachloroethane	ND	100
127-18-4	Tetrachloroethene	ND	100
108-88-3	Toluene	ND	100
71-55-6	1,1,1-Trichloroethane	ND	100
79-00-5	1,1,2-Trichloroethane	ND	100
79-01-6	Trichloroethene	ND	100
75-69-4	Trichlorofluoromethane	ND	100
96-18-4	1,2,3-Trichloropropane	ND	100
108-05-4	Vinyl Acetate	ND	300
75-01-4	Vinyl Chloride	ND	300
1330-20-7	m- and p-Xylenes	ND	100
95-47-6	o-Xylene	ND	100
541-73-1	1,3-Dichlorobenzene	ND	100
106-46-7	1,4-Dichlorobenzene	ND	100
95-50-1	1,2-Dichlorobenzene	ND	100

D.L. = Detection Limit
ND = Not Detected

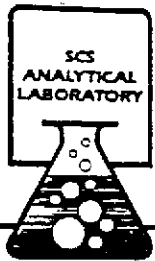
TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	APPROXIMATE CONCENTRATION

4-Methyl-2-Pentanol	1600 ug/kg

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00148



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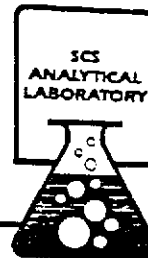
Sample I.D.: MW8-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCF 00149



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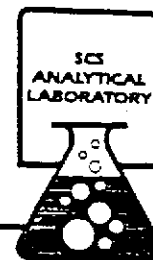
Sample I.D.: MW8-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00150



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Sample I.D.: MW8-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	250	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00151



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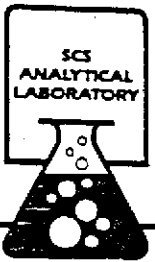
2360 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
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Sample I.D.: MW8-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb) ----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	61	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	560	10
95-47-6	o-Xylene	460	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.



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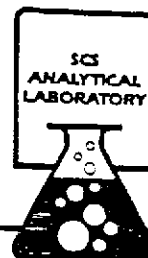
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Sample I.D.: BH9-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

MRCP 00153



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Sample I.D.: B9-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	12	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

MRCP 00154



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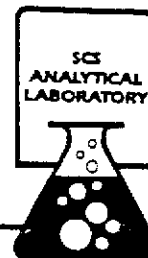
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Sample I.D.: B9-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	54	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	140	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

MRCF 00155



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Sample I.D.: B9-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	26	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	250	10
95-47-6	o-Xylene	130	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

MRCP 00156



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Sample I.D.: B10-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

MRCP 00157



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Sample I.D.: B10-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	43	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

MRCP 00158



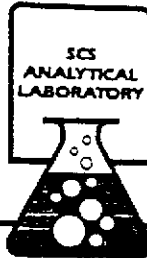
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Sample I.D.: B10-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result ----ug/kg (ppb)----	D.L.
67-64-1	Acetone	ND	100
107-02-8	Acrolein	ND	100
107-13-1	Acrylonitrile	ND	100
71-43-2	Benzene	ND	20
75-27-4	Bromodichloromethane	ND	20
75-25-2	Bromoform	ND	20
74-83-9	Bromomethane	ND	60
78-93-3	2-Butanone	ND	100
75-15-0	Carbon Disulfide	ND	20
56-23-5	Carbon Tetrachloride	ND	20
108-90-7	Chlorobenzene	ND	20
124-48-1	Chlorodibromomethane	ND	20
75-00-3	Chloroethane	ND	60
110-75-8	2-Chloroethyl Vinyl Ether	ND	100
67-66-3	Chloroform	ND	20
74-87-3	Chloromethane	ND	60
74-95-3	Dibromomethane	ND	20
110-56-5	1,4-Dichlorobutane	ND	20
75-71-8	Dichlorodifluoromethane	ND	20
75-34-3	1,1-Dichloroethane	ND	20
107-06-2	1,2-Dichloroethane	ND	20
75-35-4	1,1-Dichloroethene	ND	20
156-60-5	trans-1,2-Dichloroethene	ND	20
78-87-5	1,2-Dichloropropane	ND	20
10061-01-5	cis-1,3-Dichloropropene	ND	20
10061-02-6	trans-1,3-Dichloropropene	ND	20
64-17-5	Ethanol	ND	20
100-41-4	Ethylbenzene	ND	20
97-63-2	Ethyl Methylacrylate	ND	20
591-78-6	2-Hexanone	ND	60
74-88-4	Iodomethane	ND	20
75-09-2	Methylene Chloride	ND	100
108-10-1	4-Methyl-2-Pentanone	ND	60

D.L. = Detection Limit
ND = Not Detected



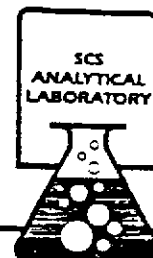
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Sample I.D.: B10-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	20
127-18-4	Tetrachloroethene	ND	20
108-88-3	Toluene	ND	20
71-55-6	1,1,1-Trichloroethane	ND	20
79-00-5	1,1,2-Trichloroethane	ND	20
79-01-6	Trichloroethene	ND	20
75-69-4	Trichlorofluoromethane	ND	20
96-18-4	1,2,3-Trichloropropane	ND	20
108-05-4	Vinyl Acetate	ND	60
75-01-4	Vinyl Chloride	ND	60
1330-20-7	m- and p-Xylenes	ND	20
95-47-6	o-Xylene	ND	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20

D.L. = Detection Limit
ND = Not Detected



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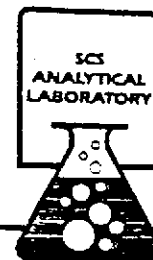
Sample I.D.: MW7-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

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Sample I.D.: MW7-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	----
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00162



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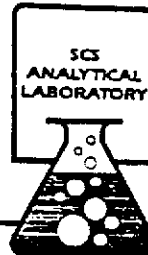
Sample I.D.: MW7-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	----
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCF 00163



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Sample I.D.: MW7-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	410 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



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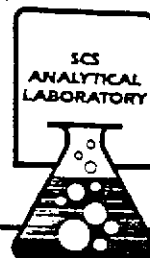
Sample I.D.: MW8-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result ----ug/kg (ppb)----	D.L.
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00165



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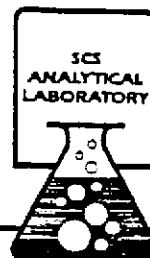
Sample I.D.: MW8-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00166



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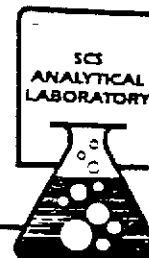
Sample I.D.: MW8-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result ----ug/kg (ppb)----	D.L.
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	390	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00167



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

EPA 8270 (continued)
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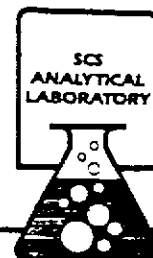
Sample I.D.: MW8-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg	(ppb)----
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	320 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	1500 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	7500 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	530 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	360 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

MRCP 00168



2660 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(714) 595-9324
FAX (714) 595-6709

Addendum Report, EPA 8270
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Sample I.D.: B9-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result ----ug/kg (ppb)----	D.L.
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	390	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

MRCP 00169



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90802
(213) 595-9324
FAX (213) 595-6709

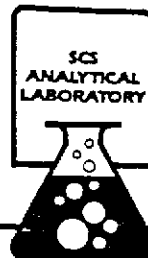
EPA 8270 (continued)
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Sample I.D.: B9-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

MRCP 00170



2840 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(213) 595-9324
FAX (213) 595-6709

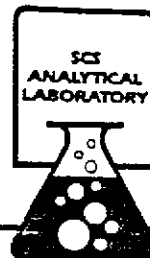
Addendum Report, EPA 8270
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Sample I.D.: B9-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	630	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

MRCP 00171



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

EPA 8270 (continued)
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Sample I.D.: B9-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	340 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	1100 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	6800 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	590 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	550 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

MRCP 00172



2860 WALNUT AVENUE
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(213) 595-9324
FAX (213) 595-6709

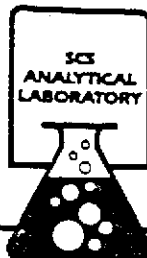
Addendum Report, EPA 8270
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Sample I.D.: B10-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

MRCF 00173



2840 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(714) 595-9324
FAX (714) 595-6709

EPA 8270 (continued)
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Sample I.D.: B10-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2 2,4-Dinitrotoluene	ND	300
606-20-2 2,6-Dinitrotoluene	ND	300
117-84-0 Di-N-Octyl Phthalate	ND	300
206-44-0 Fluoranthene	ND	300
86-73-7 Fluorene	ND	300
118-74-1 Hexachlorobenzene	ND	300
87-68-3 Hexachlorobutadiene	ND	300
77-47-4 Hexachlorocyclopentadiene	ND	300
67-72-1 Hexachloroethane	ND	300
193-39-5 Indeno(1,2,3-cd)pyrene	ND	300
78-59-1 Isophorone	ND	300
91-57-6 2-Methylnaphthalene	ND	300
95-48-7 2-Methylphenol	ND	300
106-44-5 4-Methylphenol	ND	300
91-20-3 Naphthalene	ND	300
88-74-4 2-Nitroaniline	ND	2000
99-09-2 3-Nitroaniline	ND	2000
100-01-6 4-Nitroaniline	ND	2000
98-95-3 Nitrobenzene	ND	300
88-75-5 2-Nitrophenol	ND	300
100-02-7 4-Nitrophenol	ND	2000
86-30-6 N-Nitrosodiphenylamine	ND	300
621-64-7 N-Nitrosodipropylamine	ND	300
87-86-5 Pentachlorophenol	ND	2000
85-01-8 Phenanthrene	ND	300
108-95-2 Phenol	ND	300
129-00-0 Pyrene	ND	300
120-82-1 1,2,4-Trichlorobenzene	ND	300
95-95-4 2,4,5-Trichlorophenol	ND	2000
88-06-2 2,4,6-Trichlorophenol	ND	300

D.L. = Detection Limit
ND = Not detected



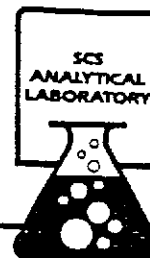
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2560 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
12131 595-9324
FAX (213) 595-6709

Sample I.D.: B10-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(714) 595-9324
FAX (714) 595-6709

EPA 8270 (continued)
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Sample I.D.: B10-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg	(ppb)----
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
67-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

MRCP 00176



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

MEMO

To: Don McClenagan

From: Curtis B. Jenkins

January 23, 1990

Job No.: 0389058

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LABORATORY REPORT

Samples: Seven (7) soil samples from Mike Roberts Color Production, received 1/6/90, analyzed 1/19/90.

Sample ID	EPA 8015 (gasoline)	EPA 8015 (Diesel)	503D
	-----mg/kg-----		
BH11-1	ND	ND	45,000
BH11-2	ND	ND	30,400
BH12-1	ND	ND	12,000
BH12-2	ND	ND	38,800
BH13-1	ND	ND	9,400
BH13-2	ND	ND	3,000
Sump	ND	ND	10,500

EPA 8080, Metals, EPA 8240 & EPA 8270 - see attached sheets

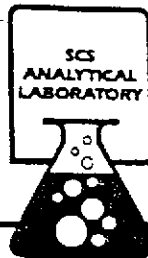
David Mikesell

David Mikesell
Chemist

Curtis B. Jenkins
Curtis B. Jenkins
Laboratory Director

mkrobl.rep

MRCP 00177



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8080
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Sample I.D.: BH11-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob1.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	2.2	1

D.L. = Detection Limit
ND = Not Detected

MRCP 00178



2860 WALNUT AVENUE
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Sample I.D.: BH11-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected

MRCP 00179



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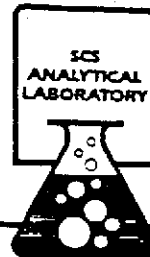
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Sample I.D.: BH12-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob1.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected

MRCP 00180



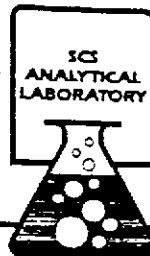
2860 WALNUT AVENUE
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Sample I.D.: BH12-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob1.rep

Compound	Result	D.L.
	----mg/kg (ppm)----	
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



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Sample I.D.: BH13-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	3.1	1

D.L. = Detection Limit
ND = Not Detected

MRCP 00182



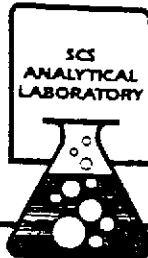
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Sample I.D.: BH13-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result ----mg/kg (ppm)	D.L. ----
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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Sample I.D.: BH11-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	240	0.1
Beryllium	7090	0.36	0.02
Cadmium	7130	1.0	0.7
Chromium	7190	22	0.5
Cobalt	7200	5.4	0.4
Copper	7210	44	0.2
Lead	7420	72	3
Mercury	7471	0.092	0.009
Molybdenum	7480	ND	1
Nickel	7520	25	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	21	0.3
Zinc	7950	940	0.4

ND = Not Detected
D.L. Detection Limit



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Sample I.D.: BH11-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	160	0.1
Beryllium	7090	0.31	0.02
Cadmium	7130	ND	0.7
Chromium	7190	21	0.5
Cobalt	7200	3.6	0.4
Copper	7210	>4500	0.2
Lead	7420	55	3
Mercury	7471	0.12	0.009
Molybdenum	7480	ND	1
Nickel	7520	24	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	17	0.3
Zinc	7950	160	0.4

ND = Not Detected
D.L. Detection Limit



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Sample I.D.: BH12-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	89	0.1
Beryllium	7090	0.23	0.02
Cadmium	7130	ND	0.7
Chromium	7190	36	0.5
Cobalt	7200	3.4	0.4
Copper	7210	170	0.2
Lead	7420	120	3
Mercury	7471	ND	0.009
Molybdenum	7480	ND	1
Nickel	7520	29	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	21	0.3
Zinc	7950	150	0.4

ND = Not Detected
D.L. Detection Limit



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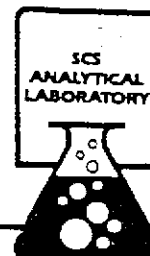
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Sample I.D.: BH12-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	28
Arsenic	7060	38	3
Barium	7080	540	0.1
Beryllium	7090	0.26	0.02
Cadmium	7130	7.7	0.7
Chromium	7190	190	0.5
Cobalt	7200	28	0.4
Copper	7210	2200	0.2
Lead	7420	3000	3
Mercury	7471	ND	0.009
Molybdenum	7480	20	1
Nickel	7520	110	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	23	0.3
Zinc	7950	3600	0.4

ND = Not Detected
D.L. Detection Limit

MRCP 00188



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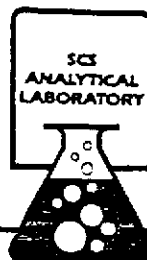
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Sample I.D.: BH13-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L.
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	160	0.1
Beryllium	7090	0.36	0.02
Cadmium	7130	ND	0.7
Chromium	7190	62	0.5
Cobalt	7200	6.5	0.4
Copper	7210	120	0.2
Lead	7420	520	3
Mercury	7471	ND	0.009
Molybdenum	7480	ND	1
Nickel	7520	42	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	27	0.3
Zinc	7950	300	0.4

ND = Not Detected
D.L. Detection Limit

MRCP 00189



2860 WALNUT AVENUE
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Sample I.D.: BH13-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result	D.L
		-----mg/kg (ppm)-----	
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	37	0.1
Beryllium	7090	0.15	0.02
Cadmium	7130	ND	0.7
Chromium	7190	29	0.5
Cobalt	7200	2.9	0.4
Copper	7210	4.9	0.2
Lead	7420	12	3
Mercury	7471	ND	0.009
Molybdenum	7480	ND	1
Nickel	7520	18	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	15	0.3
Zinc	7950	210	0.4

ND = Not Detected
D.L. Detection Limit



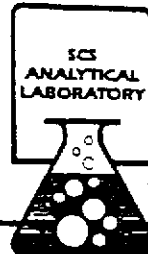
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(313) 595-9324
FAX (313) 595-6709

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Sample I.D.: BH11-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



2840 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
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Addendum Report, EPA 8240 (Cont.)
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Sample I.D.: BH11-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result -----ug/kg (ppb) -----	D.L.
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	15	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



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Sample I.D.: BH11-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result ----ug/kg (ppb)----	D.L.
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

MRCP 00194



2860 WALNUT AVENUE
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Sample I.D.: BH11-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result ----ug/kg (ppb) ----	D.L.
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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Sample I.D.: BH12-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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Sample I.D.: BH12-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result ----ug/kg (ppb) ----	D.L.
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



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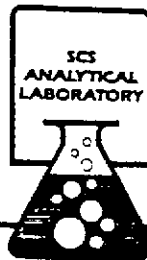
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Sample I.D.: BH12-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

MRCP 00198



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Sample I.D.: BH12-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

MRCP 00199



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Sample I.D.: BH13-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result ----ug/kg (ppb) ----	D.L.
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



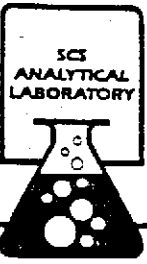
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Addendum Report, EPA 8240 (Cont.)
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Sample I.D.: BH13-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



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Sample I.D.: BH13-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



2840 WALNUT AVENUE
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Sample I.D.: BH13-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



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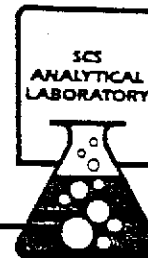
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Sample I.D.: BH11-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

MRCP 00206



2860 WALNUT AVENUE
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Sample I.D.: BH11-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg	(ppb)----
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	320 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

MRCF 00207



2860 WALNUT AVENUE
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Sample I.D.: BH11-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result ----ug/kg (ppb)----	D.L.
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	580	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	820	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

MRCP 00208



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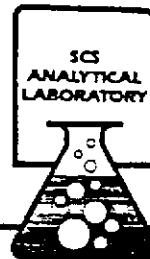
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Sample I.D.: BH11-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	----
121-14-2 2,4-Dinitrotoluene	ND	300
606-20-2 2,6-Dinitrotoluene	ND	300
117-84-0 Di-N-Octyl Phthalate	ND	300
206-44-0 Fluoranthene	1100	300
86-73-7 Fluorene	ND	300
118-74-1 Hexachlorobenzene	ND	300
87-68-3 Hexachlorobutadiene	ND	300
77-47-4 Hexachlorocyclopentadiene	ND	300
67-72-1 Hexachloroethane	ND	300
193-39-5 Indeno(1,2,3-cd)pyrene	ND	300
78-59-1 Isophorone	ND	300
91-57-6 2-Methylnaphthalene	ND	300
95-48-7 2-Methylphenol	ND	300
106-44-5 4-Methylphenol	ND	300
91-20-3 Naphthalene	ND	300
88-74-4 2-Nitroaniline	ND	2000
99-09-2 3-Nitroaniline	ND	2000
100-01-6 4-Nitroaniline	ND	2000
98-95-3 Nitrobenzene	ND	300
88-75-5 2-Nitrophenol	ND	300
100-02-7 4-Nitrophenol	ND	2000
86-30-6 N-Nitrosodiphenylamine	ND	300
621-64-7 N-Nitrosodipropylamine	ND	300
87-86-5 Pentachlorophenol	ND	2000
85-01-8 Phenanthrene	560	300
108-95-2 Phenol	ND	300
129-00-0 Pyrene	1800	300
120-82-1 1,2,4-Trichlorobenzene	ND	300
95-95-4 2,4,5-Trichlorophenol	ND	2000
88-06-2 2,4,6-Trichlorophenol	ND	300

D.L. = Detection Limit
ND = Not detected

MRCP 00209



2860 WALNUT AVENUE
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Sample I.D.: BH12-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob1.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	----
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

MRCP 00210



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

EPA 8270 (continued)
Page 35 of 43

Sample I.D.: BH12-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	370 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

MRCP 00211



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8270
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Sample I.D.: BH12-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

MRCP 00212



2560 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

EPA 8270 (continued)
Page 37 of 43

Sample I.D.: BH12-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

MRCP 00213



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
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FAX (213) 595-6709

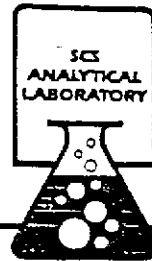
Addendum Report, EPA 8270
Page 38 of 43

Sample I.D.: BH13-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	470	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	390	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

MRCP 00214



SIS
ANALYTICAL
LABORATORY
2560 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

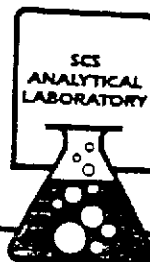
EPA 8270 (continued)
Page 39 of 43

Sample I.D.: BH13-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	----
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	320 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

MRCP 00215



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90
(714) 595-9324
FAX (714) 595-6709

Addendum Report, EPA 8270
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Sample I.D.: BH13-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	300
100-51-6 Benzyl Alcohol	ND	2000
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	300
101-55-3 4-Bromophenyl Phenyl Ether	ND	2000
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	300
120-83-2 2,4-Dichlorophenol	ND	700
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	300
51-28-5 2,4-Dinitrophenol	ND	2000
	ND	2000

D.L. = Detection Limit
ND = Not Detected

MRCP 00216



2560 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

EPA 8270 (continued)
Page 41 of 43

Sample I.D.: BH13-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

MRCP 00217



PERSONNEL

SITE INFORMATION

Sampler (Signature) Don McClenagan
 Phone 415 829-0661
 Field Crew Supervisor _____
 Field Company _____
 Project Geologist/Engineer Don McClenagan

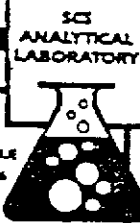
Job Name Mike Roberts Color Productions
 Job Number 0389058.00
 Sample Location Emeryville
 P.O. Number _____

Relinquished by (Signature) <u>Don McClenagan</u>	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
MW7-1	Soil	1	MRCP	1-3-90	- CAM metals	
MW7-2	↓	↓	↓	↓	- 8080, 825	
MW8-1	↓	↓	↓	↓	- 8015 for Gas + Diesel	
MW8-2	↓	↓	↓	↓	- 503D	
B9-1	↓	↓	↓	1-4-90	- 8240	
B9-2	↓	↓	↓	1-4-90	- 8270	
B10-1	↓	↓	↓	1-4-90		
B10-2	↓	↓	↓	1-4-90		
					All samples analyzed with these methods	

Remarks: Please send results to John Cummings. Please return cooler, blue ice, some brass tubes, & POC.



PERSONNEL

SITE INFORMATION

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(714) 595-9124

Sampler (Signature) Don McLennan
Phone 415 829-0661

Job Name Mike Roberts Color Production

Job Number 0389058

Sample Location Emergentilla

Field Crew Supervisor _____

Field Company _____

Project Geologist/Engineer Don McLennan

P.O. Number _____

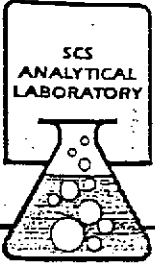
Relinquished by (Signature) <u>Don McLennan</u>	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
B11-1	Soil	1	MRCP	1-4-90	- CAM metals - 8080 - 8015 for Gas + Diesel - 503D - 8240 - 8270	
B11-2	↓	↓	↓	↓		
B12-1	↓	↓	↓	↓		
B12-2	↓	↓	↓	↓		
B13-1	↓	↓	↓	↓		
B13-2	↓	↓	↓	↓		
SUMP	Soil	1	MRCP	1-5-90	SAME AS ABOVE	

Remarks: Please send results to John Cummings. Please return ice chest, blue ice, COC and brass tubes.

GROUNDWATER DATA



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA
(213) 595-9324
FAX (213) 595-6709

MEMO

To: John Cummings

From: Curtis B. Jenkins

January 26, 1990

Job No.: 0389058

Page 1 of 20

LABORATORY REPORT

Samples: Thirty (30) water samples from Mike Roberts Color Production, received 1/11/90 analyzed 1/19/90 and 1/23/90. Twenty four (24) samples to be analyzed and the remainder to be archived.

Sample ID	EPA 8015 Modified -----mg/L-----	EPA 418.1
MW1-1W	ND	0.5
MW3-1W	ND	0.6
MW5-1W	ND	0.7
MW6-1W	ND	1.2
MW7-1W	ND	0.8
MW8-1W	ND	103
Detection Limit	10	0.5

EPA 624 & EPA 625 - see attached sheets

David Mikesell
Chemist

Curtis B. Jenkins
Curtis B. Jenkins
Laboratory Director

mkrob3.rep

MR 000745



Addendum Report, EPA 624
Page 2 of 20

Sample I.D.: MW1-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

CAS #	Compound	Result -----ug/L(ppb)-----	D.L.
71-43-2	Benzene	ND	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit
ND = Not Detected

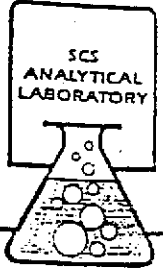
Addendum Report, EPA 624
Page 3 of 20

Sample I.D.: MW3-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

CAS #	Compound	Result	D.L.
		-----ug/L(ppb)-----	
71-43-2	Benzene	ND	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit
ND = Not Detected

MR 000747



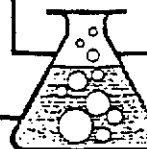
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Sample I.D.: MW5-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

CAS #	Compound	Result	D.L.
		-----ug/L(ppb)-----	
71-43-2	Benzene	12	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit
ND = Not Detected



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Sample I.D.: MW6-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

CAS #	Compound	Result -----ug/L(ppb)-----	D.L.
71-43-2	Benzene	ND	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit
ND = Not Detected



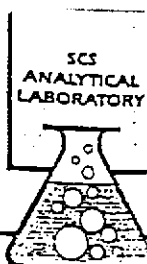
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Sample I.D.: MW7-1W
 Date Received: 1/11/90
 Date Analyzed: 1/23/90
 Matrix: Water
 Project #: 0389058
 File #: mkrob3.rep

CAS #	Compound	Result -----ug/L(ppb)-----	D.L.
71-43-2	Benzene	ND	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit
 ND = Not Detected



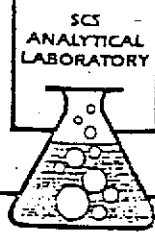
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Addendum Report, EPA 624
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Sample I.D.: MWS-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

CAS #	Compound	Result -----ug/L(ppb)-----	D.L.
71-43-2	Benzene	2100	1000
75-27-4	Bromodichloromethane	ND	1000
75-25-2	Bromoform	ND	1000
74-83-9	Bromomethane	ND	6000
56-23-5	Carbon Tetrachloride	ND	1000
108-90-7	Chlorobenzene	ND	1000
75-00-3	Chloroethane	ND	6000
110-75-8	2-Chloroethyl Vinyl Ether	ND	10000
67-66-3	Chloroform	ND	1000
74-87-3	Chloromethane	ND	6000
124-48-1	Dibromochloromethane	ND	1000
95-50-1	1,2-Dichlorobenzene	ND	1000
541-73-1	1,3-Dichlorobenzene	ND	1000
106-46-7	1,4-Dichlorobenzene	ND	1000
75-34-3	1,1-Dichloroethane	ND	1000
107-06-2	1,2-Dichloroethane	ND	1000
75-35-4	1,1-Dichloroethene	ND	1000
156-60-5	trans-1,2-Dichloroethene	ND	1000
78-87-5	1,2-Dichloropropane	ND	1000
10061-01-5	cis-1,3-Dichloropropene	ND	1000
10061-02-6	trans-1,3-Dichloropropene	ND	1000
100-41-4	Ethylbenzene	ND	1000
75-09-2	Methylene Chloride	ND	10000
79-34-5	1,1,2,2-Tetrachloroethane	ND	1000
127-18-4	Tetrachloroethene	ND	1000
108-88-3	Toluene	ND	1000
71-55-6	1,1,1-Trichloroethane	ND	1000
79-00-5	1,1,2-Trichloroethane	ND	1000
79-01-6	Trichloroethene	ND	1000
75-69-4	Trichlorofluoromethane	ND	1000
75-01-4	Vinyl Chloride	ND	6000
1330-20-7	m- and p-Xylenes	ND	1000
95-47-6	o-Xylene	ND	1000

D.L. = Detection Limit
ND = Not Detected



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Sample I.D.: MW8-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

TENTANTIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	APPROXIMATE CONCENTRATION (ppb)
MIBK	>160,000
Ethyl Acetate	>20,000
Butyl Acetate	5,800
Propyl Acetate	>32,000
Propyl Ester of Propanoic Acid	2,500
Ethyl Butyl Ether	>12,000
C6 Alcohol	34,000



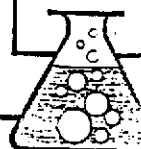
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Addendum Report, EPA 625
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Sample I.D.: MW1-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)	-----
83-32-9 Acenaphthene	ND	20
208-96-8 Acenaphthylene	ND	20
120-12-7 Anthracene	ND	20
92-87-5 Benzidine	ND	100
56-55-3 Benzo(a)Anthracene	ND	20
205-99-2 Benzo(b & k)Fluoranthenes	ND	20
191-24-2 Benzo(ghi)perylene	ND	20
50-32-8 Benzo(a)pyrene	ND	20
65-85-0 Benzoic Acid	ND	100
100-51-6 Benzyl Alcohol	ND	20
111-91-1 Bis(2-Chloroethoxy) Methane	ND	20
111-44-4 Bis(2-Chloroethyl) Ether	ND	20
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	20
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	100
101-55-3 4-Bromophenyl Phenyl Ether	ND	20
85-68-7 Butyl Benzyl Phthalate	ND	20
106-47-8 4-Chloroaniline	ND	20
59-50-7 4-Chloro-3-Methylphenol	ND	20
91-58-7 2-Chloronaphthalene	ND	20
95-57-8 2-Chlorophenol	ND	20
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	20
218-01-9 Chrysene	ND	20
53-70-3 Dibenzo(a,h)anthracene	ND	20
132-64-9 Dibenzofuran	ND	20
84-74-2 Di-N-Butyl Phthalate	ND	20
95-50-1 1,2-Dichlorobenzene	ND	20
541-73-1 1,3-Dichlorobenzene	ND	20
106-46-7 1,4-Dichlorobenzene	ND	20
91-94-1 3,3'-Dichlorobenzidine	ND	20
120-83-2 2,4-Dichlorophenol	ND	20
84-66-2 Diethyl Phthalate	ND	20
105-67-9 2,4-Dimethylphenol	ND	20
131-11-3 Dimethyl Phthalate	ND	20
534-52-1 4,6-Dinitro-2-Methylphenol	ND	100
51-28-5 2,4-Dinitrophenol	ND	100

D.L. = Detection Limit
ND = Not Detected

EPA 625 (continued)
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Sample I.D.: MW1-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	---ug/l (ppb)---	-----
121-14-2 2,4-Dinitrotoluene	ND	20
606-20-2 2,6-Dinitrotoluene	ND	20
117-84-0 Di-N-Octyl Phthalate	ND	20
206-44-0 Fluoranthene	ND	20
86-73-7 Fluorene	ND	20
118-74-1 Hexachlorobenzene	ND	20
87-68-3 Hexachlorobutadiene	ND	20
77-47-4 Hexachlorocyclopentadiene	ND	20
67-72-1 Hexachloroethane	ND	20
193-39-5 Indeno(1,2,3-cd)pyrene	ND	20
78-59-1 Isophorone	ND	20
91-57-6 2-Methylnaphthalene	ND	20
95-48-7 2-Methylphenol	ND	20
106-44-5 3 & 4-Methylphenols	ND	20
91-20-3 Naphthalene	ND	20
88-74-4 2-Nitroaniline	ND	100
99-09-2 3-Nitroaniline	ND	100
100-01-6 4-Nitroaniline	ND	100
98-95-3 Nitrobenzene	ND	20
88-75-5 2-Nitrophenol	ND	20
100-02-7 4-Nitrophenol	ND	100
86-30-6 N-Nitrosodiphenylamine	ND	20
621-64-7 N-Nitrosodipropylamine	ND	20
87-86-5 Pentachlorophenol	ND	100
85-01-8 Phenanthrene	ND	20
108-95-2 Phenol	ND	20
129-00-0 Pyrene	ND	20
120-82-1 1,2,4-Trichlorobenzene	ND	20
95-95-4 2,4,5-Trichlorophenol	ND	100
88-06-2 2,4,6-Trichlorophenol	ND	20

D.L. = Detection Limit
ND = Not detected



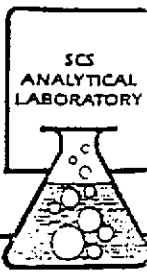
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LONG BEACH, CALIFORNIA 90801
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Addendum Report, EPA 625
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Sample I.D.: MW3-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result ----ug/l (ppb)-----	D.L.
83-32-9 Acenaphthene	ND	20
208-96-8 Acenaphthylene	ND	20
120-12-7 Anthracene	ND	20
92-87-5 Benzidine	ND	20
56-55-3 Benzo(a)Anthracene	ND	100
205-99-2 Benzo(b & k)Fluoranthenes	ND	20
191-24-2 Benzo(ghi)perylene	ND	20
50-32-8 Benzo(a)pyrene	ND	20
65-85-0 Benzoic Acid	ND	20
100-51-6 Benzyl Alcohol	ND	100
111-91-1 Bis(2-Chloroethoxy) Methane	ND	20
111-44-4 Bis(2-Chloroethyl) Ether	ND	20
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	20
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	20
101-55-3 4-Bromophenyl Phenyl Ether	ND	100
85-68-7 Butyl Benzyl Phthalate	ND	20
106-47-8 4-Chloroaniline	ND	20
59-50-7 4-Chloro-3-Methylphenol	ND	20
91-58-7 2-Chloronaphthalene	ND	20
95-57-8 2-Chlorophenol	ND	20
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	20
218-01-9 Chrysene	ND	20
53-70-3 Dibenzo(a,h)anthracene	ND	20
132-64-9 Dibenzofuran	ND	20
84-74-2 Di-N-Butyl Phthalate	ND	20
95-50-1 1,2-Dichlorobenzene	ND	20
541-73-1 1,3-Dichlorobenzene	ND	20
106-46-7 1,4-Dichlorobenzene	ND	20
91-94-1 3,3'-Dichlorobenzidine	ND	20
120-83-2 2,4-Dichlorophenol	ND	20
84-66-2 Diethyl Phthalate	ND	20
105-67-9 2,4-Dimethylphenol	ND	20
131-11-3 Dimethyl Phthalate	ND	20
534-52-1 4,6-Dinitro-2-Methylphenol	ND	20
51-28-5 2,4-Dinitrophenol	ND	100
	ND	100

D.L. = Detection Limit
ND = Not Detected



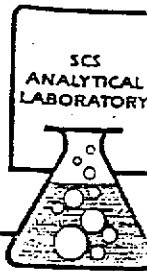
2860 WALNUT AVENUE
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EPA 625 (continued)
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Sample I.D.: MW3-1W
 Date Received: 1/11/90
 Date Extracted: 1/15/90
 Date Analyzed: 1/19/90
 Matrix: Water
 Project #: 0389058
 File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)	-----
121-14-2	2,4-Dinitrotoluene	ND 20
606-20-2	2,6-Dinitrotoluene	ND 20
117-84-0	Di-N-Octyl Phthalate	ND 20
206-44-0	Fluoranthene	ND 20
86-73-7	Fluorene	ND 20
118-74-1	Hexachlorobenzene	ND 20
87-68-3	Hexachlorobutadiene	ND 20
77-47-4	Hexachlorocyclopentadiene	ND 20
67-72-1	Hexachloroethane	ND 20
193-39-5	Indeno(1,2,3-cd)pyrene	ND 20
78-59-1	Isophorone	ND 20
91-57-6	2-Methylnaphthalene	ND 20
95-48-7	2-Methylphenol	ND 20
106-44-5	3 & 4-Methylphenols	ND 20
91-20-3	Naphthalene	ND 20
88-74-4	2-Nitroaniline	ND 100
99-09-2	3-Nitroaniline	ND 100
100-01-6	4-Nitroaniline	ND 100
98-95-3	Nitrobenzene	ND 20
88-75-5	2-Nitrophenol	ND 20
100-02-7	4-Nitrophenol	ND 100
86-30-6	N-Nitrosodiphenylamine	ND 20
621-64-7	N-Nitrosodipropylamine	ND 20
87-86-5	Pentachlorophenol	ND 100
85-01-8	Phenanthrene	ND 20
108-95-2	Phenol	ND 20
129-00-0	Pyrene	ND 20
120-82-1	1,2,4-Trichlorobenzene	ND 20
95-95-4	2,4,5-Trichlorophenol	ND 100
88-06-2	2,4,6-Trichlorophenol	ND 20

D.L. = Detection Limit
 ND = Not detected



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Addendum Report, EPA 625
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Sample I.D.: MW5-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result ----ug/l	D.L. (ppb)-----
83-32-9 Acenaphthene	ND	20
208-96-8 Acenaphthylene	ND	20
120-12-7 Anthracene	ND	20
92-87-5 Benzidine	ND	20
56-55-3 Benzo(a)Anthracene	ND	100
205-99-2 Benzo(b & k)Fluoranthenes	ND	20
191-24-2 Benzo(ghi)perylene	ND	20
50-32-8 Benzo(a)pyrene	ND	20
65-85-0 Benzoic Acid	ND	20
100-51-6 Benzyl Alcohol	ND	100
111-91-1 Bis(2-Chloroethoxy) Methane	ND	20
111-44-4 Bis(2-Chloroethyl) Ether	ND	20
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	20
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	20
101-55-3 4-Bromophenyl Phenyl Ether	ND	100
85-68-7 Butyl Benzyl Phthalate	ND	20
106-47-8 4-Chloroaniline	ND	20
59-50-7 4-Chloro-3-Methylphenol	ND	20
91-58-7 2-Chloronaphthalene	ND	20
95-57-8 2-Chlorophenol	ND	20
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	20
218-01-9 Chrysene	ND	20
53-70-3 Dibenzo(a,h)anthracene	ND	20
132-64-9 Dibenzofuran	ND	20
84-74-2 Di-N-Butyl Phthalate	ND	20
95-50-1 1,2-Dichlorobenzene	ND	20
541-73-1 1,3-Dichlorobenzene	ND	20
106-46-7 1,4-Dichlorobenzene	ND	20
91-94-1 3,3'-Dichlorobenzidine	ND	20
120-83-2 2,4-Dichlorophenol	ND	20
84-66-2 Diethyl Phthalate	ND	20
105-67-9 2,4-Dimethylphenol	ND	20
131-11-3 Dimethyl Phthalate	ND	20
534-52-1 4,6-Dinitro-2-Methylphenol	ND	20
51-28-5 2,4-Dinitrophenol	ND	100
	ND	100

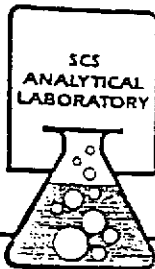
D.L. = Detection Limit
ND = Not Detected

EPA 625 (continued)
Page 14 of 20

Sample I.D.: MW5-1W
 Date Received: 1/11/90
 Date Extracted: 1/15/90
 Date Analyzed: 1/19/90
 Matrix: Water
 Project #: 0389058
 File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)	-----
121-14-2 2,4-Dinitrotoluene	ND	20
606-20-2 2,6-Dinitrotoluene	ND	20
117-84-0 Di-N-Octyl Phthalate	ND	20
206-44-0 Fluoranthene	ND	20
86-73-7 Fluorene	ND	20
118-74-1 Hexachlorobenzene	ND	20
87-68-3 Hexachlorobutadiene	ND	20
77-47-4 Hexachlorocyclopentadiene	ND	20
67-72-1 Hexachloroethane	ND	20
193-39-5 Indeno(1,2,3-cd)pyrene	ND	20
78-59-1 Isophorone	ND	20
91-57-6 2-Methylnaphthalene	ND	20
95-48-7 2-Methylphenol	ND	20
106-44-5 3 & 4-Methylphenols	ND	20
91-20-3 Naphthalene	ND	20
88-74-4 2-Nitroaniline	ND	100
99-09-2 3-Nitroaniline	ND	100
100-01-6 4-Nitroaniline	ND	100
98-95-3 Nitrobenzene	ND	20
88-75-5 2-Nitrophenol	ND	20
100-02-7 4-Nitrophenol	ND	100
86-30-6 N-Nitrosodiphenylamine	ND	20
621-64-7 N-Nitrosodipropylamine	ND	20
87-86-5 Pentachlorophenol	ND	100
85-01-8 Phenanthrene	ND	20
108-95-2 Phenol	ND	20
129-00-0 Pyrene	ND	20
120-82-1 1,2,4-Trichlorobenzene	ND	20
95-95-4 2,4,5-Trichlorophenol	ND	100
88-06-2 2,4,6-Trichlorophenol	ND	20

D.L. = Detection Limit
 ND = Not detected



Addendum Report, EPA 625
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2860 WALNUT AVENUE
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Sample I.D.: MW6-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)-----	-----
83-32-9 Acenaphthene	ND	
208-96-8 Acenaphthylene	ND	20
120-12-7 Anthracene	ND	20
92-87-5 Benzidine	ND	20
56-55-3 Benzo(a)Anthracene	ND	100
205-99-2 Benzo(b & k)Fluoranthenes	ND	20
191-24-2 Benzo(ghi)perylene	ND	20
50-32-8 Benzo(a)pyrene	ND	20
65-85-0 Benzoic Acid	ND	20
100-51-6 Benzyl Alcohol	ND	100
111-91-1 Bis(2-Chloroethoxy) Methane	ND	20
111-44-4 Bis(2-Chloroethyl) Ether	ND	20
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	20
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	20
101-55-3 4-Bromophenyl Phenyl Ether	ND	100
85-68-7 Butyl Benzyl Phthalate	ND	20
106-47-8 4-Chloroaniline	ND	20
59-50-7 4-Chloro-3-Methylphenol	ND	20
91-58-7 2-Chloronaphthalene	ND	20
95-57-8 2-Chlorophenol	ND	20
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	20
218-01-9 Chrysene	ND	20
53-70-3 Dibenzo(a,h)anthracene	ND	20
132-64-9 Dibenzofuran	ND	20
84-74-2 Di-N-Butyl Phthalate	ND	20
95-50-1 1,2-Dichlorobenzene	ND	20
541-73-1 1,3-Dichlorobenzene	ND	20
106-46-7 1,4-Dichlorobenzene	ND	20
91-94-1 3,3'-Dichlorobenzidine	ND	20
120-83-2 2,4-Dichlorophenol	ND	20
84-66-2 Diethyl Phthalate	ND	20
105-67-9 2,4-Dimethylphenol	ND	20
131-11-3 Dimethyl Phthalate	ND	20
534-52-1 4,6-Dinitro-2-Methylphenol	ND	20
51-28-5 2,4-Dinitrophenol	ND	100
	ND	100

D.L. = Detection Limit
ND = Not Detected

MR 000759



EPA 625 (continued)
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Sample I.D.: MW6-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)-----	-----
121-14-2	2,4-Dinitrotoluene	ND 20
606-20-2	2,6-Dinitrotoluene	ND 20
117-84-0	Di-N-Octyl Phthalate	ND 20
206-44-0	Fluoranthene	ND 20
86-73-7	Fluorene	ND 20
118-74-1	Hexachlorobenzene	ND 20
87-68-3	Hexachlorobutadiene	ND 20
77-47-4	Hexachlorocyclopentadiene	ND 20
67-72-1	Hexachloroethane	ND 20
193-39-5	Indeno(1,2,3-cd)pyrene	ND 20
78-59-1	Isophorone	ND 20
91-57-6	2-Methylnaphthalene	ND 20
95-48-7	2-Methylphenol	ND 20
106-44-5	3 & 4-Methylphenols	ND 20
91-20-3	Naphthalene	ND 20
88-74-4	2-Nitroaniline	ND 100
99-09-2	3-Nitroaniline	ND 100
100-01-6	4-Nitroaniline	ND 100
98-95-3	Nitrobenzene	ND 20
88-75-5	2-Nitrophenol	ND 20
100-02-7	4-Nitrophenol	ND 100
86-30-6	N-Nitrosodiphenylamine	ND 20
621-64-7	N-Nitrosodipropylamine	ND 20
87-86-5	Pentachlorophenol	ND 100
85-01-8	Phenanthrene	ND 20
108-95-2	Phenol	ND 20
129-00-0	Pyrene	ND 20
120-82-1	1,2,4-Trichlorobenzene	ND 20
95-95-4	2,4,5-Trichlorophenol	ND 100
88-06-2	2,4,6-Trichlorophenol	ND 20

D.L. = Detection Limit
ND = Not detected



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Sample I.D.: MW7-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)-----	-----
83-32-9 Acenaphthene	ND	20
208-96-8 Acenaphthylene	ND	20
120-12-7 Anthracene	ND	20
92-87-5 Benzidine	ND	100
56-55-3 Benzo(a)Anthracene	ND	20
205-99-2 Benzo(b & k)Fluoranthenes	ND	20
191-24-2 Benzo(ghi)perylene	ND	20
50-32-8 Benzo(a)pyrene	ND	20
65-85-0 Benzoic Acid	ND	100
100-51-6 Benzyl Alcohol	ND	20
111-91-1 Bis(2-Chloroethoxy) Methane	ND	20
111-44-4 Bis(2-Chloroethyl) Ether	ND	20
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	20
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	100
101-55-3 4-Bromophenyl Phenyl Ether	ND	20
85-68-7 Butyl Benzyl Phthalate	ND	20
106-47-8 4-Chloroaniline	ND	20
59-50-7 4-Chloro-3-Methylphenol	ND	20
91-58-7 2-Chloronaphthalene	ND	20
95-57-8 2-Chlorophenol	ND	20
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	20
218-01-9 Chrysene	ND	20
53-70-3 Dibenzo(a,h)anthracene	ND	20
132-64-9 Dibenzofuran	ND	20
84-74-2 Di-N-Butyl Phthalate	ND	20
95-50-1 1,2-Dichlorobenzene	ND	20
541-73-1 1,3-Dichlorobenzene	ND	20
106-46-7 1,4-Dichlorobenzene	ND	20
91-94-1 3,3'-Dichlorobenzidine	ND	20
120-83-2 2,4-Dichlorophenol	ND	20
84-66-2 Diethyl Phthalate	ND	20
105-67-9 2,4-Dimethylphenol	ND	20
131-11-3 Dimethyl Phthalate	ND	20
534-52-1 4,6-Dinitro-2-Methylphenol	ND	100
51-28-5 2,4-Dinitrophenol	ND	100

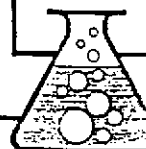
D.L. = Detection Limit
ND = Not Detected

EPA 625 (continued)
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Sample I.D.: MW7-1W
 Date Received: 1/11/90
 Date Extracted: 1/15/90
 Date Analyzed: 1/19/90
 Matrix: Water
 Project #: 0389058
 File #: mkrob3.rep

Compound	Result ----ug/l	D.L. (ppb)-----
121-14-2	2,4-Dinitrotoluene	ND 20
606-20-2	2,6-Dinitrotoluene	ND 20
117-84-0	Di-N-Octyl Phthalate	ND 20
206-44-0	Fluoranthene	ND 20
86-73-7	Fluorene	ND 20
118-74-1	Hexachlorobenzene	ND 20
87-68-3	Hexachlorobutadiene	ND 20
77-47-4	Hexachlorocyclopentadiene	ND 20
67-72-1	Hexachloroethane	ND 20
193-39-5	Indeno(1,2,3-cd)pyrene	ND 20
78-59-1	Isophorone	ND 20
91-57-6	2-Methylnaphthalene	ND 20
95-48-7	2-Methylphenol	ND 20
106-44-5	3 & 4-Methylphenols	ND 20
91-20-3	Naphthalene	ND 20
88-74-4	2-Nitroaniline	ND 100
99-09-2	3-Nitroaniline	ND 100
100-01-6	4-Nitroaniline	ND 100
98-95-3	Nitrobenzene	ND 20
88-75-5	2-Nitrophenol	ND 20
100-02-7	4-Nitrophenol	ND 100
86-30-6	N-Nitrosodiphenylamine	ND 20
621-64-7	N-Nitrosodipropylamine	ND 20
87-86-5	Pentachlorophenol	ND 100
85-01-8	Phenanthrene	ND 20
108-95-2	Phenol	ND 20
129-00-0	Pyrene	ND 20
120-82-1	1,2,4-Trichlorobenzene	ND 20
95-95-4	2,4,5-Trichlorophenol	ND 100
88-06-2	2,4,6-Trichlorophenol	ND 20

D.L. = Detection Limit
 ND = Not detected

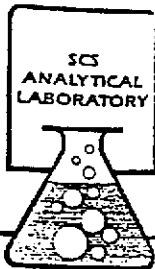


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Sample I.D.: MW8-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result ----ug/l (ppb)	D.L. -----
83-32-9	Acenaphthene	ND 150
208-96-8	Acenaphthylene	ND 150
120-12-7	Anthracene	ND 150
92-87-5	Benzidine	ND 750
56-55-3	Benzo(a)Anthracene	ND 150
205-99-2	Benzo(b & k)Fluoranthenes	ND 150
191-24-2	Benzo(ghi)perylene	ND 150
50-32-8	Benzo(a)pyrene	ND 150
65-85-0	Benzoic Acid	ND 750
100-51-6	Benzyl Alcohol	ND 150
111-91-1	Bis(2-Chloroethoxy) Methane	ND 150
111-44-4	Bis(2-Chloroethyl) Ether	ND 150
39638-32-9	Bis(2-Chloroisopropyl) Ether	ND 150
117-81-7	Bis(2-ethylhexyl) Phthalate	ND 750
101-55-3	4-Bromophenyl Phenyl Ether	ND 150
85-68-7	Butyl Benzyl Phthalate	ND 150
106-47-8	4-Chloroaniline	ND 150
59-50-7	4-Chloro-3-Methylphenol	ND 150
91-58-7	2-Chloronaphthalene	ND 150
95-57-8	2-Chlorophenol	ND 150
7005-72-3	4-Chlorophenyl Phenyl Ether	ND 150
218-01-9	Chrysene	ND 150
53-70-3	Dibenzo(a,h)anthracene	ND 150
132-64-9	Dibenzofuran	ND 150
84-74-2	Di-N-Butyl Phthalate	ND 150
95-50-1	1,2-Dichlorobenzene	ND 150
541-73-1	1,3-Dichlorobenzene	ND 150
106-46-7	1,4-Dichlorobenzene	ND 150
91-94-1	3,3'-Dichlorobenzidine	ND 150
120-83-2	2,4-Dichlorophenol	ND 150
84-66-2	Diethyl Phthalate	ND 150
105-67-9	2,4-Dimethylphenol	ND 150
131-11-3	Dimethyl Phthalate	ND 150
534-52-1	4,6-Dinitro-2-Methylphenol	ND 750
51-28-5	2,4-Dinitrophenol	ND 750

D.L. = Detection Limit
ND = Not Detected



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EPA 625 (continued)
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Sample I.D.: MW7-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)-----	
121-14-2	2,4-Dinitrotoluene	ND
606-20-2	2,6-Dinitrotoluene	ND
117-84-0	Di-N-Octyl Phthalate	ND
206-44-0	Fluoranthene	ND
86-73-7	Fluorene	ND
118-74-1	Hexachlorobenzene	ND
87-68-3	Hexachlorobutadiene	ND
77-47-4	Hexachlorocyclopentadiene	ND
67-72-1	Hexachloroethane	ND
193-39-5	Indeno(1,2,3-cd)pyrene	ND
78-59-1	Isophorone	ND
91-57-6	2-Methylnaphthalene	ND
95-48-7	2-Methylphenol	ND
106-44-5	3 & 4-Methylphenols	ND
91-20-3	Naphthalene	ND
88-74-4	2-Nitroaniline	ND
99-09-2	3-Nitroaniline	ND
100-01-6	4-Nitroaniline	ND
98-95-3	Nitrobenzene	ND
88-75-5	2-Nitrophenol	ND
100-02-7	4-Nitrophenol	ND
86-30-6	N-Nitrosodiphenylamine	ND
621-64-7	N-Nitrosodipropylamine	ND
87-86-5	Pentachlorophenol	ND
85-01-8	Phenanthrene	ND
108-95-2	Phenol	ND
129-00-0	Pyrene	ND
120-82-1	1,2,4-Trichlorobenzene	ND
95-95-4	2,4,5-Trichlorophenol	ND
88-06-2	2,4,6-Trichlorophenol	ND

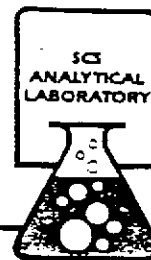
D.L. = Detection Limit
ND = Not detected

TENTATIVELY IDENTIFIED COMPOUNDS
COMPOUND NAME APPROXIMATE CONCENTRATION

C₅ through C₈ Fatty Acids 41,000

GROUNDWATER DATA

JAN 2 1991



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
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FAX (213) 595-6709

MEMO

To: Don McClenagan

From: Lam V. Ho

December 24, 1990

Job Number: 0389058.00

Page 1 of 3

LABORATORY REPORT

Sample: Five (5) water samples from MRCP, MW7 and MW8, received 12/11/90 and analyzed 12/21/90. One (1) sample was received broken.

Sample ID	EPA 418.1	SM 503A
-----	-----	-----
	mg/L	
MW7	ND	2.0
MW8	10.5	-----
Detection Limit	0.5	0.5

ND - Not Detected

EPA 624 - see attached page

Loree Kenyon

Loree Kenyon
Chemist

Lam V. Ho

Lam V. Ho PhD, REP
Laboratory Director

mrCP8.rep

MRCP 00582



2860 WALNUT AVENUE
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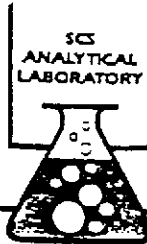
Addendum Report, EPA 624
Page 2 of 3

Sample I.D.: MW8
Date Received: 12/11/90
Date Analyzed: 12/21/90
Matrix: Water
Project #: 0389058.00
File #: mrcp8.rep

CAS #	Compound	Result -----ug/L(ppb)-----	D.L.
71-43-2	Benzene	160	25
75-27-4	Bromodichloromethane	ND	25
75-25-2	Bromoform	ND	25
74-83-9	Bromomethane	ND	150
56-23-5	Carbon Tetrachloride	ND	25
108-90-7	Chlorobenzene	ND	25
75-00-3	Chloroethane	ND	150
110-75-8	2-Chloroethyl Vinyl Ether	ND	250
67-66-3	Chloroform	ND	25
74-87-3	Chloromethane	ND	150
124-48-1	Dibromochloromethane	ND	25
95-50-1	1,2-Dichlorobenzene	ND	25
541-73-1	1,3-Dichlorobenzene	ND	25
106-46-7	1,4-Dichlorobenzene	ND	25
75-34-3	1,1-Dichloroethane	ND	25
107-06-2	1,2-Dichloroethane	ND	25
75-35-4	1,1-Dichloroethene	ND	25
156-60-5	trans-1,2-Dichloroethene	ND	25
78-87-5	1,2-Dichloropropane	ND	25
10061-01-5	cis-1,3-Dichloropropene	ND	25
10061-02-6	trans-1,3-Dichloropropene	ND	25
100-41-4	Ethylbenzene	ND	25
75-09-2	Methylene Chloride	ND	250
79-34-5	1,1,2,2-Tetrachloroethane	ND	25
127-18-4	Tetrachloroethene	ND	25
108-88-3	Toluene	ND	25
71-55-6	1,1,1-Trichloroethane	ND	25
79-00-5	1,1,2-Trichloroethane	ND	25
79-01-6	Trichloroethene	ND	25
75-69-4	Trichlorofluoromethane	ND	25
75-01-4	Vinyl Chloride	ND	150
1330-20-7	m- and p-Xylenes	ND	25
95-47-6	o-Xylene	ND	25

D.L. = Detection Limit
ND = Not Detected

MRCP 00583



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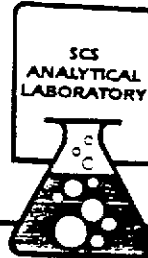
Addendum Report,
Page 3 of 3

Sample I.D.: MW8
Date Received: 12/11/90
Date Analyzed: 12/21/90
Matrix: Water
Project #: 0389058.00
File #: mrcp8.rep

TENTATIVELY IDENTIFIED COMPOUNDS	
COMPOUND NAME	APPROXIMATE CONCENTRATION

Acetone	3,200 ug/L
2-Butanone	10,000 ug/L
4-Methyl-2-Pentanone	47,000 ug/L
4-Methyl-2-Pentanol	130,000 ug/L

DEC 28 1990



2880 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

MEMO

To: Don McClenagan

From: Lam V. Ho

December 24, 1990

Job Number: 0389058.00

Page 1 of 2

LABORATORY REPORT

Sample: Four (4) water samples from MRCP, effluent from remediation system MW7 and MW8, received 12/11/90 and analyzed 12/21/90. One (1) sample to be archived and the remainder to be analyzed.

Sample ID	EPA 418.1	SM 503A
-----	-----	-----
	mg/L	
REMEFF	0.6	ND
Detection Limit	0.5	0.5

ND - Not Detected

EPA 624 - see attached page

Loree Kenyon
Loree Kenyon
Chemist

Lam V. Ho
Lam V. Ho PhD, REP
Laboratory Director

MRCP9.rep

MRCP 00585



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Addendum Report, EPA 624
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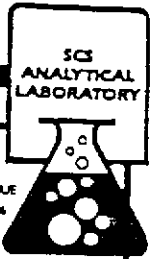
Sample I.D.: REMEFF
Date Received: 12/11/90
Date Analyzed: 12/21/90
Matrix: Water
Project #: 0389058.00
File #: mrcp9.rep

CAS #	Compound	Result	D.L.
		-----ug/L(ppb)	-----
71-43-2	Benzene	ND	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit
ND = Not Detected

CHAIN OF CUSTODY RECORD

475



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(213) 595-9324

PERSONNEL

Sampler (Signature) Don Mc [Signature]
 Phone 415 827 0661
 Field Crew Supervisor Don Mc
 Field Company _____
 Project Geologist/Engineer J. Cummings

SITE INFORMATION

Job Name MRC P
 Job Number 0389058.00
 Sample Location MW7 & MW8
 P.O. Number _____

Relinquished by (Signature) <u>Don Mc [Signature]</u>	<u>12-10-90</u>	Received by (Signature) <u>[Signature]</u>	Date <u>12-11-90</u>	Time <u>9:30 am</u>
Relinquished by (Signature) _____	_____	Received by (Signature) _____	Date _____	Time _____

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
MW7	water	1	MRC P	12-10-90	418.1	cold
MW7	"	1	"	"	503A	↓
MW8	"	1	"	"	418.1	↓
MW8	"	2	"	"	624	1-was broken

Remarks: BEWARE!! MW8 concentrations of MIBK are probably > 186,000 ppb.



MR. ANDREW BRIEFER
 PES ENVIRONMENTAL
 P.O. BOX 1833
 NOVATO, CA 94948

Workorder # : 9109033
 Date Received : 09/05/91
 Project ID : MPO01B
 Purchase Order: N/A

The following samples were received at Anamatrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9109033- 1	B-1-3.5
9109033- 2	B-1-6.0
9109033- 3	B-1-8.5
9109033- 4	B-1-10.5
9109033- 5	B-1-11.0
9109033- 6	B-1-13.0
9109033- 7	B-2-3.5
9109033- 8	B-2-5.5
9109033- 9	B-2-8.0
9109033-10	B-2-11.0
9109033-11	B-2-16.0

This report consists of 9 pages not including the cover letter, and is organized in sections according to the specific Anamatrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anamatrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anamatrix.

Sarah Schoen
 Sarah Schoen, Ph.D.
 Laboratory Manager

9-23-91
 Date

MR 000315

ANAMETRIX REPORT DESCRIPTION

GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anamatrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anamatrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anamatrix uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- ♦ Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- ♦ Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. ANDREW BRIEFER
PES ENVIRONMENTAL
P.O. BOX 1833
NOVATO, CA 94948

Workorder # : 9109033
Date Received : 09/05/91
Project ID : MPO01B
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9109033- 2	B-1-6.0	SOIL	09/05/91	8240
9109033- 3	B-1-8.5	SOIL	09/05/91	8240
9109033- 8	B-2-5.5	SOIL	09/05/91	8240
9109033- 9	B-2-8.0	SOIL	09/05/91	8240

MR 000317

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. ANDREW BRIEFER
PES ENVIRONMENTAL
P.O. BOX 1833
NOVATO, CA 94948

Workorder # : 9109033
Date Received : 09/05/91
Project ID : MPO01B
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems encountered.

Paul Gowan 9-23-91
Department Supervisor Date

Le-Le 9-23-91
Chemist Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
 ANAMETRIX, INC. (408)432-8192

Project ID : MPO01B
 Sample ID : B-1-6.0
 Matrix : SOIL
 Date Sampled : 9/ 5/91
 Date Analyzed : 9/19/91
 Instrument ID : MSD2

Anamatrix ID : 9109033-02
 Analyst : LY
 Supervisor : PG
 Dilution Factor : 1.00
 Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
110-75-8	2-Chloroethylvinyl ether	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

MR 000319

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
 ANAMETRIX, INC. (408)432-8192

Project ID : MPO01B
 Sample ID : B-1-8.5
 Matrix : SOIL
 Date Sampled : 9/ 5/91
 Date Analyzed : 9/19/91
 Instrument ID : MSD2

Anamatrix ID : 9109033-03
 Analyst : L-1
 Supervisor : PG
 Dilution Factor : 1.00
 Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
110-75-8	2-Chloroethylvinyl ether	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	3.	U
106-46-7	1,4-Dichlorobenzene	5.	4.	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
 ANAMETRIX, INC. (408)432-8192

Project ID : MPO01B
 Sample ID : B-2-5.5
 Matrix : SOIL
 Date Sampled : 9/ 5/91
 Date Analyzed : 9/19/91
 Instrument ID : MSD2

Anamatrix ID : 9109033-08
 Analyst :
 Supervisor : PG
 Dilution Factor : 1.00
 Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
110-75-8	2-Chloroethylvinyl ether	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
 ANAMETRIX, INC. (408)432-8192

Subject ID : MPO01B
 Sample ID : B-2-8.0
 Matrix : SOIL
 Date Sampled : 9/ 5/91
 Date Analyzed : 9/19/91
 Instrument ID : MSD2

Anamatrix ID : 9109033-09
 Analyst : *PG*
 Supervisor : *PG*
 Dilution Factor : 1.00
 Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	5.	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethane	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
110-75-8	2-Chloroethylvinyl ether	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	4.	U
106-46-7	1,4-Dichlorobenzene	5.	4.	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
 ANAMETRIX, INC. (408)432-8192

Project ID :
 Sample ID : BLANK
 Matrix : SOIL
 Date Sampled : 0/ 0/ 0
 Date Analyzed : 9/19/91
 Instrument ID : MSD2

Anamatrix ID : 0918B004
 Analyst :
 Supervisor : LG
 Dilution Factor : 1.00
 Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
110-75-8	2-Chloroethylvinyl ether	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 624/8240
 ANAMETRIX, INC. (408)432-8192

Project ID : MPO01B
 Matrix : SOLID

Anamatrix ID : 9109033
 Analyst : Y
 Supervisor : PG

	SAMPLE ID	SU1	SU2	SU3	TOTAL OUT
1	BLANK	126	101	110	0
2	B-1-8.5	99	96	94	0
3	B-2-5.5	92	92	83	0
4	B-2-8.0	95	99	92	0
5	B-1-6.0	93	99	88	0
6					
7					
8					
9					
10					
11					
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26					
27					
28					
29					
30					

QC LIMITS

SU1 = 1,2-Dichloroethane-d4 (73-130)
 SU2 = Toluene-d8 (74-121)
 SU3 = 1,4-Bromofluorobenzene (70-124)

* Values outside of Anamatrix QC limits

BLAINE
TECH SERVICES INC.

ULL' (D.1 : 505
SAN JOSE, CA 95122
(408) 985 5535

Update
Faxed copy
9-9-91

CHAIN OF CUSTODY
PES ENVIRONMENTAL

CLIENT **MRCP HEALTH**

SITE **6707 BAY ST
EMERYVILLE CA**

C. COMPOSITE ALL CONTAINERS

8240 W/EXTENDED
TARGET FOR ANALYSIS

MISK -
ARCHIVE UNTIL
NOTIFIED

ALL ANALYSES MUST MEET SPECIFICATION
SET BY CALIFORNIA (AIS AND
 EPA
 LIA
 OTHER
 RWOCB REG

SPECIAL INSTRUCTIONS
ACCORDING TO...
SPECIFIC...

SAMPLE ID.	MATRIX	CONTAINERS	TOTAL	C. COMPOSITE ALL CONTAINERS	8240 W/EXTENDED	MISK -	ARCHIVE UNTIL	NOTIFIED	ANALYSIS	ETEC	ADDL INFORMATION	STATUS	CONDITION	LAB
											S-SOL	NO	NO	
1 B-1-3.5	S	1	1											
2 B-1-6.0	S	1	1		X									
3 B-1-8.5	S	1	1		X									
4 B-1-10.5	S	1	1											
5 B-1-11.0	S	1	1											
6 B-1-13.0	S	1	1											
7 B-2-3.5	S	1	1											
8 B-2-5.5	S	1	1		X									
9 B-2-8.0	S	1	1		X									
10 B-2-11.0	S	1	1											
11 B-2-14.0	S	1	1											

RESULTS NEEDED
NO LATER THAN

SAMPLING COMPLETED DATE 9/5/91 TIME 11:00 AM

SAMPLING PERFORMED BY JANE GILL

RELEASED BY [Signature] DATE 9/5/91 TIME 1:35 PM

RECEIVED BY [Signature] DATE

RECEIVED BY [Signature] DATE

RECEIVED BY [Signature] DATE

SHIPPED VIA BLAINE TECH DATE SENT 9/5/91 TIME SENT COOLER #

MR 000325

TOTAL P.02

BLAINE

370 Y RC SUIT 5
SAN JOSE, CA 95122
(408) 995 5535

TECH SERVICES INC.

Bill Pes/Sent Reports

CHAIN OF CUSTODY
PES ENVIRONMENTAL
CLIENT: MRCP REALTY
SITE: 6707 BAY ST
EMERYVILLE CA
ATTN Jane Gill Pes

C - COMPOSITE ALL CONTAINERS

CO: 2 CT
8240 EXTENDED SCAN
ARCHIVE UNTIL NOTIFIED
TARGET FOR MIBK

LAB: Nr E1 Y U
ALL ANALYSES MUST MEET SPECIFICATIONS AND DETEL LIMITS SET BY CALIFORNIA DHS AND
 EPA RWQCB REGION
 LIA
 OTHER

SPECIAL INSTRUCTIONS
ARCHIVE UNTIL NOTIFIED
3240 EXTENDED SCAN
STAMPED 11/11/99

SAMPLE ID	MATRIX S - SOIL W - WATER	CONTAINERS		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
		TOTAL					
1 B-1-3.5	S	1	SS TAG	No headspace			
2 B-1-6.0	S	1		headspace			
3 B-1-8.5	S	1		headspace			
4 B-1-10.5	S	1		No headspace			
5 B-1-11.0	S	1		headspace			
6 B-1-13.0	S	1		No headspace			
7 B-2-3.5	S	1		headspace			
8 B-2-5.5	S	1		No headspace			
9 B-2-8.0	S	1		headspace			
10 B-2-11.0	S	1		no headspace			
11 B-2-16.0	S	1					

SAMPLING COMPLETED DATE 9/5/91 TIME SAMPLING PERFORMED BY JANE GILL RESULTS NEEDED NO LATER THAN

RELEASED BY Jane Gill DATE 9/5/91 TIME 2:35 PM RECEIVED BY [Signature] DATE 9/5/91 TIME 14:35

RELEASED BY [Signature] DATE 9/5/91 TIME No: 10 RECEIVED BY [Signature] DATE 9/5/91 TIME 16:10

RELEASED BY [Signature] DATE TIME RECEIVED BY

SHIPPED VIA BLAINE TECH DATE SENT 9/5/91 TIME SENT COOLER #

MIR 000326

GROUNDWATER DATA



MS. JANE GILL
PES ENVIRONMENTAL
P.O. BOX 1833
NOVATO, CA 94948

Workorder # : 9109032
Date Received : 09/05/91
Project ID : MP001B
Purchase Order: N/A

The following samples were received at Anamatrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9109032- 1	MW1
9109032- 2	MW3
9109032- 3	MW8

This report consists of 10 pages not including the cover letter, and is organized in sections according to the specific Anamatrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anamatrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anamatrix.

Sarah Schoen, Ph.D.
Laboratory Manager

9-19-91

Date

MR 000327

ANAMETRIX REPORT DESCRIPTION

GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anamatrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anamatrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "**", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "**", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anamatrix uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- ◆ Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- ◆ Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MS. JANE GILL
PES ENVIRONMENTAL
P.O. BOX 1833
NOVATO, CA 94948

Workorder # : 9109032
Date Received : 09/05/91
Project ID : MP001B
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9109032- 1	MW1	WATER	09/05/91	8240
9109032- 2	MW3	WATER	09/05/91	8240
9109032- 3	MW8	WATER	09/05/91	8240

MR 000329

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MS. JANE GILL
PES ENVIRONMENTAL
P.O. BOX 1833
NOVATO, CA 94948

Workorder # : 9109032
Date Received : 09/05/91
Project ID : MP001B
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- Tentatively Identified Compounds (TICs) were scanned for but were not detected in the EPA Method 8240 analysis of these samples.

Jane Gill 9-19-91
Department Supervisor Date

Lu Lu Yu 9-19-91
Chemist Date

ORGANIC ANALYSIS DATA SHEET --- EPA METHOD 624/8240
 ANAMETRIX, INC. (408)432-8192

Project ID : MP001B
 Sample ID : MW1
 Matrix : WATER
 Date Sampled : 9/ 5/91
 Date Analyzed : 9/18/91
 Instrument ID : MSD2

Anamatrix ID : 9109032-01
 Analyst :
 Supervisor : UM
 Dilution Factor : 1.00
 Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	7.	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
110-75-8	2-Chloroethylvinyl ether	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	8.	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	3.	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
 ANAMETRIX, INC. (408)432-8192

Project ID : MP001B
 Sample ID : MW3
 Matrix : WATER
 Date Sampled : 9/ 5/91
 Date Analyzed : 9/19/91
 Instrument ID : MSD2

Anamatrix ID : 9109032-02
 Analyst : LH
 Supervisor : UM
 Dilution Factor : 1.00
 Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
110-75-8	2-Chloroethylvinyl ether	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

MR 000332

Project ID :
 Sample ID : BLANK
 Matrix : WATER
 Date Sampled : 0/ 0/ 0
 Date Analyzed : 9/19/91
 Instrument ID : MSD1

Anamatrix ID : 0919B001
 Analyst :
 Supervisor :
 Dilution Factor : 1.00
 Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
110-75-8	2-Chloroethylvinyl ether	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

MR 000335

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : MP001B
Sample ID : MWS
Matrix : WATER
Date Sampled : 9/ 5/91
Date Analyzed : 9/19/91
Instrument ID : MSD1

Anamatrix ID : 9109032-03
Analyst : MCT
Supervisor : WA
Dilution Factor : 1000.00
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10000.	ND	U
75-01-4	Vinyl chloride	10000.	ND	U
74-83-9	Bromomethane	10000.	ND	U
75-00-3	Chloroethane	10000.	ND	U
75-69-4	Trichlorofluoromethane	5000.	ND	U
75-35-4	1,1-Dichloroethene	5000.	ND	U
76-13-1	Trichlorotrifluoroethane	5000.	ND	U
67-64-1	Acetone	20000.	ND	U
75-15-0	Carbon disulfide	5000.	ND	U
75-09-2	Methylene chloride	5000.	ND	U
156-60-5	Trans-1,2-dichloroethene	5000.	ND	U
75-34-3	1,1-Dichloroethane	5000.	ND	U
156-59-2	Cis-1,2-dichloroethene	5000.	ND	U
78-93-3	2-Butanone	20000.	ND	U
67-66-3	Chloroform	5000.	ND	U
71-55-6	1,1,1-Trichloroethane	5000.	ND	U
56-23-5	Carbon tetrachloride	5000.	ND	U
108-05-4	Vinyl acetate	10000.	ND	U
71-43-2	Benzene	5000.	ND	U
107-06-2	1,2-Dichloroethane	5000.	ND	U
79-01-6	Trichloroethene	5000.	ND	U
78-87-5	1,2-Dichloropropane	5000.	ND	U
75-27-4	Bromodichloromethane	5000.	ND	U
110-75-8	2-Chloroethylvinyl ether	5000.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5000.	ND	U
108-10-1	4-Methyl-2-pentanone	10000.	150000.	U
108-88-3	Toluene	5000.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5000.	ND	U
79-00-5	1,1,2-Trichloroethane	5000.	ND	U
127-18-4	Tetrachloroethene	5000.	ND	U
591-78-6	2-Hexanone	10000.	ND	U
124-48-1	Dibromochloromethane	5000.	ND	U
108-90-7	Chlorobenzene	5000.	ND	U
100-41-4	Ethylbenzene	5000.	ND	U
1330-20-7	Xylene (Total)	5000.	ND	U
100-42-5	Styrene	5000.	ND	U
75-25-2	Bromoform	5000.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5000.	ND	U
541-73-1	1,3-Dichlorobenzene	5000.	ND	U
106-46-7	1,4-Dichlorobenzene	5000.	ND	U
95-50-1	1,2-Dichlorobenzene	5000.	ND	U

MR 000333

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
 ANAMETRIX, INC. (408)432-8192

Project ID :
 Sample ID :
 Matrix :
 Date Sampled :
 Date Analyzed :
 Instrument ID :

: BLANK
 : WATER
 : 0/ 0/ 0
 : 9/18/91
 : MSD2

Anamatrix ID : 0918B003
 Analyst :
 Supervisor :
 Dilution Factor : 1.00
 Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
110-75-8	2-Chloroethylvinyl ether	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

MR 000334

Project ID : MP001B
 Matrix : LIQUID

Anamatrix ID : 9109032
 Analyst : *LT*
 Supervisor : *UM*

	SAMPLE ID	SU1	SU2	SU3	TOTAL OUT
1	BLANK	101	99	103	0
2	MW1	106	101	106	0
3	MW3	110	101	107	0
4					
5					
6					
7					
8					
9					
10					
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28					
29					
30					

QC LIMITS

SU1 = 1,2-Dichloroethane-d4 (75-113)
 SU2 = Toluene-d8 (83-110)
 SU3 = 1,4-Bromofluorobenzene (82-114)

* Values outside of Anamatrix QC limits

Project ID : MP001B
 Matrix : LIQUID

Anamatrix ID : 9109032
 Analyst : *MS*
 Supervisor : *WY*

	SAMPLE ID	SU1	SU2	SU3	TOTAL OUT
1	BLANK	99	100	113	0
2	MW8	104	98	106	0
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

QC LIMITS

SU1 = 1,2-Dichloroethane-d4 (75-113)
 SU2 = Toluene-d8 (83-110)
 SU3 = 1,4-Bromofluorobenzene (82-114)

* Values outside of Anamatrix QC limits

BLAINE

TECH SERVICES INC.

1370 TULLY ROAD., SUITE 505
SAN JOSE, CA 95122
(408) 995 6635

PES

CHAIN OF CUSTODY
 CLIENT: 123 IMPROVEMENT
 SITE: 6767 BAY ST.
MARSHVILLE
 Attn: Jane Gill

CONDUCT ANALYSIS TO DETECT

C - COMPOSITE ALL CONTAINERS

8240 EXTENDED SAM

MR 000338

LAB ANAMETRIX (15) TT 9109032
 1620 DHS #
 ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
 EPA RWQCB REGION II
 LIA
 OTHER

SPECIAL INSTRUCTIONS: PES Project # MPO01B
~~ROUTINE~~

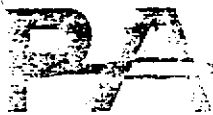
ROUTINE
 ALL VOAS ^{INCL} PRE

SAMPLE I.D.	MATRIX		CONTAINERS		C	S	W	H2O	TOTAL	VOAS	STATUS	CONDITION	LAB SAMPLE #
	S	W	H2O	TOTAL									
MW 1	W			3	X				3	VOAS			
MW 3	W			3	X				3	"			
MW 8	W			3	X				3	"			

all samples cold, no bubbles

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	2/5/91	16:10	<u>[Signature]</u>	ROUTINE	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<u>[Signature]</u>	2/5/91	16:10	<u>[Signature]</u>	2/5/91	16:10
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPER	DATE SENT	TIME SENT	COOLER #



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 08/16/89
Reported: 09/18/89
Job #: 71016

Attn: George Wilson
L & W Environmental
2111 Jennings Street
San Francisco, CA. 94124

Project: Mike Roberts Color Productions
Matrix: Water

Analysis Method EPA 6010
Prep Method EPA 3010
mg/l

Table with 5 columns: Lab ID #, Client ID, METAL, MDL, % SPIKE RECOVERY. Rows include elements like Tl, As, Hg, Se, Mo, Sb, Zn, Cd, Pb, Co, Ni, Cr, V, Be, Cu, Ag, Ba.

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

Signature of Jaime Chow
Jaime Chow
Laboratory Director

Signature of Michael O'Brien
Michael O'Brien
QA/QC Officer

MR 001527

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: 08/23/89

Reported: 09/18/89

Job #: 71028

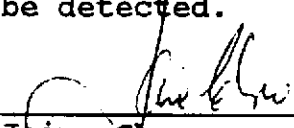
Attn: George Wilson
L & W Environmental
2111 Jennings Street
San Francisco, CA. 94124

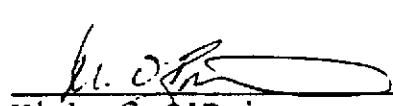
Project: Mike Roberts Color Productions

Analysis Method EPA 6010
Prep Method EPA 3010
mg/l

Lab ID #:	71028-1	71028-2	71028-3		
Client ID:	North Tank (Tank 1)	Center Tank (Tank 2)	South Tank (Tank 3)	MDL	% SPIKE RECOVERY
METAL					
Tl	ND<0.088	ND<0.088	ND<0.088	0.088	82
As	ND<0.088	ND<0.088	ND<0.088	0.088	90
Hg	ND<0.200	ND<0.200	ND<0.200	0.200	92
Se	2.1	ND<0.200	ND<0.200	0.200	86
Mo	ND<0.040	ND<0.040	ND<0.040	0.040	92
Sb	0.72	0.39	0.05	0.040	96
Zn	3.80	53.7	ND<0.006	0.006	86
Cd	0.45	0.22	ND<0.012	0.012	84
Pb	0.40	0.36	0.25	0.044	88
Co	1.1	0.55	ND<0.020	0.020	92
Ni	ND<0.026	ND<0.026	ND<0.026	0.026	88
Cr	0.008	0.03	ND<0.006	0.006	88
V	0.52	0.44	ND<0.004	0.004	92
Be	ND<0.001	ND<0.001	ND<0.001	0.001	88
Cu	ND<0.004	0.17	ND<0.004	0.004	92
Ag	ND<0.004	ND<0.004	ND<0.004	0.004	60
Ba	0.03	0.03	ND<0.005	0.005	94

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


Jaime Chow
Laboratory Director


Michael O'Brien
QA/QC Officer

MR 001519

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

TANK EXCAVATION
SOIL SAMPLES



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 08/23/89
Reported: 09/18/89
Job No. #: 71028

Attn: George Wilson
L & W Environmental
2111 Jennings Street
San Francisco CA. 94124

Project: Mike Roberts Color Productions

Lab ID 71028-1 71028-2 71028-3
Client ID North Tank Center Tank South Tank
(Tank 1) (Tank 2) (Tank 3)

Table with 5 columns: Parameter, Tank 1, Tank 2, Tank 3, MDL. Rows include pH, Cyanide, Sulfide, and Halogenated.

* Detection limit for sample 1 & 2 = 0.06, Sample #1 = 1.0

QA/QC: Spike Recovery Average for Halogenated: 68.7%

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

METHODS:

Cyanide: By EPA 9010
Halogenated: By EPA 8010

Signature of Jaime Chow
Jaime Chow
Laboratory Director

Signature of Michael O'Brien
Michael O'Brien
QA/QC Officer

UNIFORM CONTAMINATION RECORD

1028

PROJ. NO. 7077
 ANALYSES (Signature) Keith Jay
 PROJECT NAME AND ADDRESS:
 MIKE ROBERTS COLOR PRODUCTIONS
 6707 BAY ST.
 EMERYVILLE, CA

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS
 BTEX
 VOC-EPA BENS
 TOTAL OIL & GREASE
 TETRAMETHYL LEAD
 PRE-DISPOSAL

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTEX	VOC-EPA BENS	TOTAL OIL & GREASE	TETRAMETHYL LEAD	PRE-DISPOSAL	REMARKS
TANK-1	8-23-89	2:30P		X	NORTH TANK						X	
TANK-2	8-23-89	2:40P		X	CENTER TANK						X	
TANK-3	8-23-89	2:50P		X	SOUTH TANK						X	

RELINQUISHED BY: (Signature) Keith Jay	DATE 8-23-89 TIME 3:10P	RECEIVED BY: (Signature) Raj Pandher	DATE 8/23/89 TIME 3:20P
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 _____

MR 001525

1282 Quarry Lane, P.O. Box 9019
Pleasanton, California 94566
(415) 426-2800

REMIT TO:

Clayton Environmental Consultants
Department 77179
Detroit, Michigan 48277-0179

Invoice: 81611

Date: November 13, 1989

To: PRECISION ANALYTICAL LAB, INC.
4136 Lakeside Drive
Richmond, CA 94806

Attn: Mr. Jaime Chow

Terms: Net 20 Days

Client's Order No.

Project No.: 89102.98

Clayton Environmental Consultants, Inc.

For Professional Services:

Amount

Laboratory Batch No. 8910298
Laboratory analysis for samples received on October 31, 1989

One (1) Water Sample for EPA 624	@\$190/sample	\$190
One (1) Water Sample for EPA 625	@\$370/sample	370
Sixteen (16) Soil Samples for EPA 8240	@\$190/sample	3040
Sixteen (16) Soil Samples for EPA 8270	@\$370/sample	5920
One (1) Sludge Sample for EPA 8240	@\$190/sample	190
One (1) Sludge Sample for EPA 8270	@\$370/sample	370

TOTAL THIS INVOICE

\$10,080

For billing inquiries, please contact
Susan Zagryn at (415) 426-2634

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: SS-1 E-END TANK 1
 Sample Received: 10/31/89
 Sample Analyzed: 11/07/89
 Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
 Client Ref. No.: NONE
 Lab Client Code: 77604
 Lab No.: 8910298-02A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	80
Bromomethane	74-83-9	ND	40
Vinyl chloride	75-01-4	ND	40
Chloroethane	75-00-3	ND	80
Methylene chloride	75-09-2	ND	100
Trichlorofluoromethane	75-69-4	ND	40
1,1-dichloroethene	75-35-4	ND	40
1,1-dichloroethane	75-35-3	ND	40
Trans-1,2-dichloroethene	156-60-5	ND	40
Chloroform	67-66-3	ND	40
1,2-dichloroethane	107-06-2	ND	80
1,1,1-trichloroethane	71-55-6	ND	40
Carbon tetrachloride	56-23-5	ND	40
Bromodichloromethane	75-27-4	ND	40
1,2-dichloropropane	78-87-5	ND	80
Cis-1,3-dichloropropene	10061-01-5	ND	80
Trichloroethene	79-01-6	ND	100
Benzene	71-43-2	ND	40
Dibromochloromethane	124-48-1	ND	80
1,1,2-trichloroethane	79-00-5	ND	80
Trans-1,3-dichloropropene	10061-02-6	ND	80
2-chloroethylvinylether	100-75-8	ND	200
Bromoform	75-25-2	ND	80
1,1,2,2-tetrachloroethane	79-34-5	ND	100
Tetrachloroethene	127-18-4	ND	80
Toluene	108-88-3	ND	40
Chlorobenzene	108-90-7	ND	40
Ethylbenzene	100-41-4	ND	100
1,3-dichlorobenzene	541-73-7	ND	100
1,2-dichlorobenzene	95-50-1	ND	100
1,4-dichlorobenzene	106-46-7	ND	100
Freon 113	76-13-1	ND	40
Total Xylenes	1330-20-7	ND	80
Acetone	67-64-1	ND	200
2-Butanone	78-93-3	ND	200
4-Methyl-2-pentanone	108-10-1	600	200
2-Hexanone	591-78-6	ND	200
Vinyl acetate	108-05-4	ND	100
Carbon disulfide	75-15-0	ND	80
Styrene	100-42-5	ND	80

ND = Not detected at or above limit of detection

MR 001537

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: SS-4 W-END TANK 2
 Sample Received: 10/31/89
 Sample Analyzed: 11/07/89
 Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
 Client Ref. No.: NONE
 Lab Client Code: 77604
 Lab No.: 8910298-05A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	800
Bromomethane	74-83-9	ND	400
Vinyl chloride	75-01-4	ND	400
Chloroethane	75-00-3	ND	800
Methylene chloride	75-09-2	ND	1000
Trichlorofluoromethane	75-69-4	ND	400
1,1-dichloroethene	75-35-4	ND	400
1,1-dichloroethane	75-35-3	ND	400
Trans-1,2-dichloroethene	156-60-5	ND	400
Chloroform	67-66-3	ND	400
1,2-dichloroethane	107-06-2	ND	800
1,1,1-trichloroethane	71-55-6	ND	400
Carbon tetrachloride	56-23-5	ND	400
Bromodichloromethane	75-27-4	ND	400
1,2-dichloropropane	78-87-5	ND	800
Cis-1,3-dichloropropene	10061-01-5	ND	800
Trichloroethene	79-01-6	ND	1000
Benzene	71-43-2	ND	400
Dibromochloromethane	124-48-1	ND	800
1,1,2-trichloroethane	79-00-5	ND	800
Trans-1,3-dichloropropene	10061-02-6	ND	800
2-chloroethylvinylether	100-75-8	ND	2000
Bromoform	75-25-2	ND	800
1,1,2,2-tetrachloroethane	79-34-5	ND	1000
Tetrachloroethene	127-18-4	ND	800
Toluene	108-88-3	ND	400
Chlorobenzene	108-90-7	ND	400
Ethylbenzene	100-41-4	ND	1000
1,3-dichlorobenzene	541-73-7	ND	1000
1,2-dichlorobenzene	95-50-1	ND	1000
1,4-dichlorobenzene	106-46-7	ND	1000
Freon 113	76-13-1	ND	400
Total Xylenes	1330-20-7	ND	800
Acetone	67-64-1	ND	2000
2-Butanone	78-93-3	ND	2000
4-Methyl-2-pentanone	108-10-1	3300	2000
2-Hexanone	591-78-6	ND	2000
Vinyl acetate	108-05-4	ND	1000
Carbon disulfide	75-15-0	ND	800
Styrene	100-42-5	ND	800

ND = Not detected at or above limit of detection

MR 001538

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: SS-5 E-END TANK 3
 Sample Received: 10/31/89
 Sample Analyzed: 11/07-08/89
 Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
 Client Ref. No.: NONE
 Lab Client Code: 77604
 Lab No.: 8910298-06A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	20
Bromomethane	74-83-9	ND	8
Vinyl chloride	75-01-4	ND	8
Chloroethane	75-00-3	ND	20
Methylene chloride	75-09-2	ND	20
Trichlorofluoromethane	75-69-4	ND	8
1,1-dichloroethene	75-35-4	ND	8
1,1-dichloroethane	75-35-3	ND	8
Trans-1,2-dichloroethene	156-60-5	ND	8
Chloroform	67-66-3	ND	8
1,2-dichloroethane	107-06-2	ND	20
1,1,1-trichloroethane	71-55-6	ND	8
Carbon tetrachloride	56-23-5	ND	8
Bromodichloromethane	75-27-4	ND	8
1,2-dichloropropane	78-87-5	ND	20
Cis-1,3-dichloropropene	10061-01-5	ND	20
Trichloroethene	79-01-6	ND	20
Benzene	71-43-2	ND	8
Dibromochloromethane	124-48-1	ND	20
1,1,2-trichloroethane	79-00-5	ND	20
Trans-1,3-dichloropropene	10061-02-6	ND	20
2-chloroethylvinylether	100-75-8	ND	40
Bromoform	75-25-2	ND	20
1,1,2,2-tetrachloroethane	79-34-5	ND	20
Tetrachloroethene	127-18-4	ND	20
Toluene	108-88-3	ND	8
Chlorobenzene	108-90-7	ND	8
Ethylbenzene	100-41-4	ND	20
1,3-dichlorobenzene	541-73-7	ND	20
1,2-dichlorobenzene	95-50-1	ND	20
1,4-dichlorobenzene	106-46-7	ND	20
Freon 113	76-13-1	ND	8
Total Xylenes	1330-20-7	ND	20
Acetone	67-64-1	ND	40
2-Butanone	78-93-3	ND	40
4-Methyl-2-pentanone	108-10-1	180	40
2-Hexanone	591-78-6	ND	40
Vinyl acetate	108-05-4	ND	20
Carbon disulfide	75-15-0	ND	20
Styrene	100-42-5	ND	20

ND = Not detected at or above limit of detection

MR 001539

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: SS-6 W-END TANK 3
Sample Received: 10/31/89
Sample Analyzed: 11/07/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8910298-07A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	800
Bromomethane	74-83-9	ND	400
Vinyl chloride	75-01-4	ND	400
Chloroethane	75-00-3	ND	800
Methylene chloride	75-09-2	ND	1000
Trichlorofluoromethane	75-69-4	ND	400
1,1-dichloroethene	75-35-4	ND	400
1,1-dichloroethane	75-35-3	ND	400
Trans-1,2-dichloroethene	156-60-5	ND	400
Chloroform	67-66-3	ND	400
1,2-dichloroethane	107-06-2	ND	800
1,1,1-trichloroethane	71-55-6	ND	400
Carbon tetrachloride	56-23-5	ND	400
Bromodichloromethane	75-27-4	ND	400
1,2-dichloropropane	78-87-5	ND	800
Cis-1,3-dichloropropene	10061-01-5	ND	800
Trichloroethene	79-01-6	ND	1000
Benzene	71-43-2	ND	400
Dibromochloromethane	124-48-1	ND	800
1,1,2-trichloroethane	79-00-5	ND	800
Trans-1,3-dichloropropene	10061-02-6	ND	800
2-chloroethylvinylether	100-75-8	ND	2000
Bromoform	75-25-2	ND	800
1,1,2,2-tetrachloroethane	79-34-5	ND	1000
Tetrachloroethene	127-18-4	ND	800
Toluene	108-88-3	ND	400
Chlorobenzene	108-90-7	ND	400
Ethylbenzene	100-41-4	ND	1000
1,3-dichlorobenzene	541-73-7	ND	1000
1,2-dichlorobenzene	95-50-1	ND	1000
1,4-dichlorobenzene	106-46-7	ND	1000
Freon 113	76-13-1	ND	400
Total Xylenes	1330-20-7	ND	800
Acetone	67-64-1	ND	2000
2-Butanone	78-93-3	ND	2000
4-Methyl-2-pentanone	108-10-1	5000	2000
2-Hexanone	591-78-6	ND	2000
Vinyl acetate	108-05-4	ND	1000
Carbon disulfide	75-15-0	ND	800
Styrene	100-42-5	ND	800

ND = Not detected at or above limit of detection

MR 001540

EPA METHOD 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: SS-2 W-END TANK 1
Sample Received: 10/31/89
Sample Analyzed: 11/04/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8910298-03A

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	3	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	7	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	3	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	9	3
Acetone	67-64-1	ND	20
2-Butanone	78-93-3	ND	20
4-Methyl-2-pentanone	108-10-1	20	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

MR 001541

EPA METHOD 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: SS-3 E-END TANK 2
Sample Received: 10/31/89
Sample Analyzed: 11/07/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8910298-04A

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	9	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	6	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	4	3
Freon 113	76-13-1	6	3
Total Xylenes	1330-20-7	7	3
Acetone	67-64-1	40	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

MR 001542

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: SS-1 E-END TANK 1

Client: PRECISION ANALYTICAL

Sample Received: 10/31/89

Client Ref. No.: NONE

Sample Extracted: 11/01/89

Lab Client Code: 77604

Sample Analyzed: 11/01/89

Sample Matrix: SOIL

Lab No.: 8910298-02A

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

Phenol	108-95-2	ND	200
2-chlorophenol	95-57-8	ND	200
2-methyl phenol	95-48-7	ND	200
4-methyl phenol	106-44-5	ND	200
2-nitrophenol	88-75-5	ND	200
2,4-dimethylphenol	105-67-9	ND	200
2,4-dichlorophenol	120-83-2	ND	200
4-chloro-3-methylphenol	59-50-7	ND	200
2,4,5-trichlorophenol	95-95-4	ND	200
2,4,6-trichlorophenol	88-06-2	ND	200
2,4-dinitrophenol	51-28-5	ND	1000
4-nitrophenol	100-02-7	ND	1000
2-methyl-4,6-dinitrophenol	534-52-1	ND	200
Pentachlorophenol	87-86-5	ND	200

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	1000
Bis(2-chloroethyl)ether	111-44-4	ND	200
1,3-dichlorobenzene	541-73-7	ND	200
1,4-dichlorobenzene	106-46-7	ND	200
1,2-dichlorobenzene	95-50-1	ND	200
Bis-(2-chloroisopropyl)ether	108-60-1	ND	200
N-nitrosodi-n-propylamine	621-64-7	ND	200
Hexachloroethane	67-72-1	ND	200
Nitrobenzene	98-95-3	ND	200
Isophorone	78-59-1	ND	200
Bis-(2-chloroethoxy)methane	111-91-1	ND	200
1,2,4-trichlorobenzene	120-82-1	ND	200
Naphthalene	91-20-3	ND	200
Hexachlorobutadiene	87-68-3	ND	200
2-chloronaphthalene	91-58-7	ND	200
2-methyl naphthalene	91-57-6	ND	200

ND = Not detected at or above limit of detection

MR 001543

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

Sample I.D.: SS-1 E-END TANK 1

Client: PRECISION ANALYTICAL

Compound	CAS #	Concentration ug/kg	Limit of Detectio ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	1000
2-nitroaniline	88-74-4	ND	1000
3-nitroaniline	99-09-2	ND	1000
4-nitroaniline	100-01-6	ND	1000
Hexachlorocyclopentadiene	77-47-4	ND	200
Dimethyl phthalate	131-11-3	ND	2000
Acenaphthylene	208-96-8	ND	200
Acenaphthene	83-32-9	ND	200
2,4-dinitrotoluene	121-14-2	ND	200
2,6-dinitrotoluene	606-20-2	ND	200
Diethyl phthalate	84-66-2	ND	200
4-chlorophenylphenylether	7005-72-3	ND	200
Fluorene	86-73-7	ND	200
N-nitrosodiphenylamine	86-30-6	ND	200
4-bromophenylphenylether	101-55-3	ND	200
Hexachlorobenzene	118-74-1	ND	200
Phenanthrene	85-01-8	ND	200
Anthracene	120-12-7	ND	200
Di-n-butylphthalate	84-74-2	ND	200
Fluoranthene	206-44-2	ND	200
Benzidine	92-87-5	ND	5000
Pyrene	129-00-0	ND	200
Benzylbutylphthalate	85-68-7	ND	200
3,3'-dichlorobenzidine	91-94-1	ND	5000
Benzo(a)anthracene	56-55-3	ND	200
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	2000
Chrysene	218-01-9	ND	400
Di-n-octylphthalate	117-84-0	ND	200
Benzo(b)fluoranthene	205-99-2	ND	400
Benzo(k)fluoranthene	207-08-9	ND	200
Benzo(a)pyrene	50-32-8	ND	200
Indeno(1,2,3-cd)pyrene	193-39-5	ND	200
Dibenzo(a,h)anthracene	53-70-3	ND	200
Benzo(ghi)perylene	191-24-2	ND	200

ND = Not detected at or above limit of detection

MR 001544

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: SS-2 W-END TANK 1 Client: PRECISION ANALYTICAL
 Sample Received: 10/31/89 Client Ref. No.: NONE
 Sample Extracted: 11/01/89 Lab Client Code: 77604
 Sample Analyzed: 11/01/89
 Sample Matrix: SOIL Lab No.: 8910298-03A

Compound	CAS #	Concentration ug/kg	Limit of Detecti 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	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

MR 001545

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

Sample I.D.: SS-2 W-END TANK 1

Client: PRECISION ANALYTICAL

Compound	CAS #	Concentration ug/kg	Limit of Detectic 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

MR 001546

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: SS-3 E-END TANK 2

Client: PRECISION ANALYTICAL

Sample Received: 10/31/89

Client Ref. No.: NONE

Sample Extracted: 11/01/89

Lab Client Code: 77604

Sample Analyzed: 11/01/89

Sample Matrix: SOIL

Lab No.: 8910298-04A

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

MR 001547

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

Sample I.D.: SS-3 E-END TANK 2

Client: PRECISION ANALYTICAL

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

MR 001548

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: SS-4 W-END TANK 2

Client: PRECISION ANALYTICAL

Sample Received: 10/31/89

Client Ref. No.: NONE

Sample Extracted: 11/01/89

Lab Client Code: 77604

Sample Analyzed: 11/01/89

Sample Matrix: SOIL

Lab No.: 8910298-05A

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

Phenol	108-95-2	ND	200
2-chlorophenol	95-57-8	ND	200
2-methyl phenol	95-48-7	ND	200
4-methyl phenol	106-44-5	200	200
2-nitrophenol	88-75-5	ND	200
2,4-dimethylphenol	105-67-9	ND	200
2,4-dichlorophenol	120-83-2	ND	200
4-chloro-3-methylphenol	59-50-7	ND	200
2,4,5-trichlorophenol	95-95-4	ND	200
2,4,6-trichlorophenol	88-06-2	ND	200
2,4-dinitrophenol	51-28-5	ND	1000
4-nitrophenol	100-02-7	ND	1000
2-methyl-4,6-dinitrophenol	534-52-1	ND	200
Pentachlorophenol	87-86-5	ND	200

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	1000
Bis(2-chloroethyl)ether	111-44-4	ND	200
1,3-dichlorobenzene	541-73-7	1000	200
1,4-dichlorobenzene	106-46-7	2000	200
1,2-dichlorobenzene	95-50-1	ND	200
Bis-(2-chloroisopropyl)ether	108-60-1	ND	200
N-nitrosodi-n-propylamine	621-64-7	ND	200
Hexachloroethane	67-72-1	ND	200
Nitrobenzene	98-95-3	ND	200
Isophorone	78-59-1	ND	200
Bis-(2-chloroethoxy)methane	111-91-1	ND	200
1,2,4-trichlorobenzene	120-82-1	200	200
Naphthalene	91-20-3	ND	200
Hexachlorobutadiene	87-68-3	ND	200
2-chloronaphthalene	91-58-7	ND	200
2-methyl naphthalene	91-57-6	ND	200

ND = Not detected at or above limit of detection

MR 001549

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

Sample I.D.: SS-4 W-END TANK 2

Client: PRECISION ANALYTICAL

Compound	CAS #	Concentration ug/kg	Limit of Detecti ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	1000
2-nitroaniline	88-74-4	ND	1000
3-nitroaniline	99-09-2	ND	1000
4-nitroaniline	100-01-6	ND	1000
Hexachlorocyclopentadiene	77-47-4	ND	200
Dimethyl phthalate	131-11-3	ND	2000
Acenaphthylene	208-96-8	ND	200
Acenaphthene	83-32-9	ND	200
2,4-dinitrotoluene	121-14-2	ND	200
2,6-dinitrotoluene	606-20-2	ND	200
Diethyl phthalate	84-66-2	ND	200
4-chlorophenylphenylether	7005-72-3	ND	200
Fluorene	86-73-7	ND	200
N-nitrosodiphenylamine	86-30-6	ND	200
4-bromophenylphenylether	101-55-3	ND	200
Hexachlorobenzene	118-74-1	ND	200
Phenanthrene	85-01-8	ND	200
Anthracene	120-12-7	ND	200
Di-n-butylphthalate	84-74-2	ND	200
Fluoranthene	206-44-2	ND	200
Benzidine	92-87-5	ND	5000
Pyrene	129-00-0	ND	200
Benzylbutylphthalate	85-68-7	ND	200
3,3'-dichlorobenzidine	91-94-1	ND	5000
Benzo(a)anthracene	56-55-3	ND	200
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	2000
Chrysene	218-01-9	ND	400
Di-n-octylphthalate	117-84-0	ND	200
Benzo(b)fluoranthene	205-99-2	ND	400
Benzo(k)fluoranthene	207-08-9	ND	200
Benzo(a)pyrene	50-32-8	ND	200
Indeno(1,2,3-cd)pyrene	193-39-5	ND	200
Dibenzo(a,h)anthracene	53-70-3	ND	200
Benzo(ghi)perylene	191-24-2	ND	200

ND = Not detected at or above limit of detection

MR 001550

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: SS-5 E-END TANK 3 Client: PRECISION ANALYTICAL
 Sample Received: 10/31/89 Client Ref. No.: NONE
 Sample Extracted: 11/01/89 Lab Client Code: 77604
 Sample Analyzed: 11/01/89
 Sample Matrix: SOIL Lab No.: 8910298-06A

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

Phenol	108-95-2	ND	200
2-chlorophenol	95-57-8	ND	200
2-methyl phenol	95-48-7	ND	200
4-methyl phenol	106-44-5	ND	200
2-nitrophenol	88-75-5	ND	200
2,4-dimethylphenol	105-67-9	ND	200
2,4-dichlorophenol	120-83-2	ND	200
4-chloro-3-methylphenol	59-50-7	ND	200
2,4,5-trichlorophenol	95-95-4	ND	200
2,4,6-trichlorophenol	88-06-2	ND	200
2,4-dinitrophenol	51-28-5	ND	1000
4-nitrophenol	100-02-7	ND	1000
2-methyl-4,6-dinitrophenol	534-52-1	ND	200
Pentachlorophenol	87-86-5	ND	200

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	1000
Bis(2-chloroethyl)ether	111-44-4	ND	200
1,3-dichlorobenzene	541-73-7	ND	200
1,4-dichlorobenzene	106-46-7	ND	200
1,2-dichlorobenzene	95-50-1	ND	200
Bis-(2-chloroisopropyl)ether	108-60-1	ND	200
N-nitrosodi-n-propylamine	621-64-7	ND	200
Hexachloroethane	67-72-1	ND	200
Nitrobenzene	98-95-3	ND	200
Isophorone	78-59-1	ND	200
Bis-(2-chloroethoxy)methane	111-91-1	ND	200
1,2,4-trichlorobenzene	120-82-1	ND	200
Naphthalene	91-20-3	300	200
Hexachlorobutadiene	87-68-3	ND	200
2-chloronaphthalene	91-58-7	ND	200
2-methyl naphthalene	91-57-6	1000	200

ND = Not detected at or above limit of detection

MR 001551

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

Sample I.D.: SS-5 E-END TANK 3

Client: PRECISION ANALYTICAL

Compound	CAS #	Concentration ug/kg	Limit of Detectio ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	1000
2-nitroaniline	88-74-4	ND	1000
3-nitroaniline	99-09-2	ND	1000
4-nitroaniline	100-01-6	ND	1000
Hexachlorocyclopentadiene	77-47-4	ND	200
Dimethyl phthalate	131-11-3	ND	2000
Acenaphthylene	208-96-8	ND	200
Acenaphthene	83-32-9	ND	200
2,4-dinitrotoluene	121-14-2	ND	200
2,6-dinitrotoluene	606-20-2	ND	200
Diethyl phthalate	84-66-2	ND	200
4-chlorophenylphenylether	7005-72-3	ND	200
Fluorene	86-73-7	ND	200
N-nitrosodiphenylamine	86-30-6	ND	200
4-bromophenylphenylether	101-55-3	ND	200
Hexachlorobenzene	118-74-1	ND	200
Phenanthrene	85-01-8	200	200
Anthracene	120-12-7	ND	200
Di-n-butylphthalate	84-74-2	ND	200
Fluoranthene	206-44-2	ND	200
Benzidine	92-87-5	ND	5000
Pyrene	129-00-0	ND	200
Benzylbutylphthalate	85-68-7	ND	200
3,3'-dichlorobenzidine	91-94-1	ND	5000
Benzo(a)anthracene	56-55-3	ND	200
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	2000
Chrysene	218-01-9	ND	400
Di-n-octylphthalate	117-84-0	ND	200
Benzo(b)fluoranthene	205-99-2	ND	400
Benzo(k)fluoranthene	207-08-9	ND	200
Benzo(a)pyrene	50-32-8	ND	200
Indeno(1,2,3-cd)pyrene	193-39-5	ND	200
Dibenzo(a,h)anthracene	53-70-3	ND	200
Benzo(ghi)perylene	191-24-2	ND	200

ND = Not detected at or above limit of detection

MR 001552

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: SS-6 W-END TANK 3

Client: PRECISION ANALYTICAL

Sample Received: 10/31/89

Client Ref. No.: NONE

Sample Extracted: 11/01/89

Lab Client Code: 77604

Sample Analyzed: 11/01/89

Sample Matrix: SOIL

Lab No.: 8910298-07A

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

Phenol	108-95-2	ND	200
2-chlorophenol	95-57-8	ND	200
2-methyl phenol	95-48-7	ND	200
4-methyl phenol	106-44-5	ND	200
2-nitrophenol	88-75-5	ND	200
2,4-dimethylphenol	105-67-9	ND	200
2,4-dichlorophenol	120-83-2	ND	200
4-chloro-3-methylphenol	59-50-7	ND	200
2,4,5-trichlorophenol	95-95-4	ND	200
2,4,6-trichlorophenol	88-06-2	ND	200
2,4-dinitrophenol	51-28-5	ND	1000
4-nitrophenol	100-02-7	ND	1000
2-methyl-4,6-dinitrophenol	534-52-1	ND	200
Pentachlorophenol	87-86-5	ND	200

BASE/NEUTRAL COMPOUNDS

N-nitrosodimethylamine	62-75-9	ND	1000
Bis(2-chloroethyl)ether	111-44-4	ND	200
1,3-dichlorobenzene	541-73-7	ND	200
1,4-dichlorobenzene	106-46-7	ND	200
1,2-dichlorobenzene	95-50-1	ND	200
Bis-(2-chloroisopropyl)ether	108-60-1	ND	200
N-nitrosodi-n-propylamine	621-64-7	ND	200
Hexachloroethane	67-72-1	ND	200
Nitrobenzene	98-95-3	ND	200
Isophorone	78-59-1	ND	200
Bis-(2-chloroethoxy)methane	111-91-1	ND	200
1,2,4-trichlorobenzene	120-82-1	ND	200
Naphthalene	91-20-3	ND	200
Hexachlorobutadiene	87-68-3	ND	200
2-chloronaphthalene	91-58-7	ND	200
2-methyl naphthalene	91-57-6	ND	200

ND = Not detected at or above limit of detection

MR 001553

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

Sample I.D.: SS-6 W-END TANK 3

Client: PRECISION ANALYTICAL

Compound	CAS #	Concentration ug/kg	Limit of Detectio ug/kg
<u>BASE/NEUTRAL COMPOUNDS</u>			
4-chloroaniline	106-47-8	ND	1000
2-nitroaniline	88-74-4	ND	1000
3-nitroaniline	99-09-2	ND	1000
4-nitroaniline	100-01-6	ND	1000
Hexachlorocyclopentadiene	77-47-4	ND	200
Dimethyl phthalate	131-11-3	ND	2000
Acenaphthylene	208-96-8	ND	200
Acenaphthene	83-32-9	ND	200
2,4-dinitrotoluene	121-14-2	ND	200
2,6-dinitrotoluene	606-20-2	ND	200
Diethyl phthalate	84-66-2	ND	200
4-chlorophenylphenylether	7005-72-3	ND	200
Fluorene	86-73-7	ND	200
N-nitrosodiphenylamine	86-30-6	ND	200
4-bromophenylphenylether	101-55-3	ND	200
Hexachlorobenzene	118-74-1	ND	200
Phenanthrene	85-01-8	ND	200
Anthracene	120-12-7	ND	200
Di-n-butylphthalate	84-74-2	ND	200
Fluoranthene	206-44-2	ND	200
Benzidine	92-87-5	ND	5000
Pyrene	129-00-0	ND	200
Benzylbutylphthalate	85-68-7	ND	200
3,3'-dichlorobenzidine	91-94-1	ND	5000
Benzo(a)anthracene	56-55-3	ND	200
Bis-(2-ethylhexyl)phthalate	117-81-7	ND	2000
Chrysene	218-01-9	ND	400
Di-n-octylphthalate	117-84-0	ND	200
Benzo(b)fluoranthene	205-99-2	ND	400
Benzo(k)fluoranthene	207-08-9	ND	200
Benzo(a)pyrene	50-32-8	ND	200
Indeno(1,2,3-cd)pyrene	193-39-5	ND	200
Dibenzo(a,h)anthracene	53-70-3	ND	200
Benzo(ghi)perylene	191-24-2	ND	200

ND = Not detected at or above limit of detection

MR 001554

CHAIN OF CUSTODY RECORD

NO. SAMPLES (Signature) Jaime Chiu (415) 222-3402

TEST NAME AND ADDRESS:
4136 Lake Side Dr (Precision Analytical)
Richmond Ca, 94806

ANALYSIS REQUESTED

TOTAL PETROLEUM HYDROCARBONS
 BTEX
 VOC-EPA 6210
 TOTAL OIL & GREASE
 B24
 B25 } on a clean wafer
 Tank 6

PRECISION LAB NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	ANALYSIS REQUESTED					REMARKS	
						TOTAL PETROLEUM HYDROCARBONS	BTEX	VOC-EPA 6210	TOTAL OIL & GREASE	B24		B25
1.				✓	clean sample (1, 2, 3)							240ml = 1 gal
2	10/5	12:50	X		SS-1 E- END Tank 1					X	X	SS-40 of SS-70 (20/30)
3		1 PM	X		SS-2 W END Tank 1					X	X	
4		1:10	X		SS-3 E. END Tank 2					X	X	
5		1:20	X		SS-4 W END Tank 2					X	X	
6		1:30	X		SS-5 E END Tank 3					X	X	
7		1:40	X		SS-6 W END Tank 3					X	X	
8	9/18	9:55A	X		SB-10 - 5.5' Project # 1001					X	X	
9		10:05	X		SB-10 - 10' " " "					X	X	
10		10:25	X		SB-11 - 10.5' " " "					X	X	
11		10:50	X		SB-12 7' " " "					X	X	
12		11:20	X		SB-13 5' " " "					X	X	
13		12:10	X		SB-14 6.5' " " "					X	X	

10/44 INQUIRED BY: (Signature)
Diana Calanguin

10/44 INQUIRED BY: (Signature)
Swinder Sathar

12/20/89 INQUIRED BY: (Signature)

12/20/89 INQUIRED BY: (Signature)

MR 001555

DATE <u>10/31/89</u> TIME <u>12:30</u>	RECEIVED BY: (Signature) <u>Swinder Sathar</u>	DATE <u>10/31/89</u> TIME <u>12:30</u>
DATE <u>10/31/89</u> TIME <u>2:05</u>	RECEIVED BY: (Signature) <u>1004 B...</u>	DATE <u>10/31/89</u> TIME <u>2:05 PM</u>
DATE _____ TIME _____	RECEIVED BY: (Signature)	DATE _____ TIME _____
DATE _____ TIME _____	RECEIVED FOR LABORATORY BY: (Signature)	DATE _____ TIME _____

003

CHAIN OF CUSTODY RECORD

J. NO. SAMPLERS (Signature)

TEST NAME AND ADDRESS:

ANALYSIS REQUESTED					
TOTAL PETROLEUM HYDROCARBONS					
BTX					
VOC-LPA B210					
TOTAL OIL & GREASE					
SP4C					
SP70					

L.W. ENVIRONMENTAL

REFERENCE NUMBER

DATE TIME SOIL WATER

STATION LOCATION

REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TOTAL PETROLEUM HYDROCARBONS	BTX	VOC-LPA B210	TOTAL OIL & GREASE	SP4C	SP70	REMARKS
14	9/18	12:25	X		SB-15 - 4.5' Project # 1001				X	X		2x6 BC. ok
15		12:45	X		SB-16 - 6.5' " "				X	X		
16		1:30	X		SB-17 - 7' " "				X	X		
17		9:55 AM	X		SB-18 - 7.5' " "				X	X		
18	11	01:55 AM	X		SB-10 - 10' W " "				X	X		92-500-1 lg-50-11

PRECISION LAB

415 822 5290

ACQUIRED BY: (Signature)

DATE TIME

RECEIVED BY: (Signature)

DATE TIME

ACQUIRED BY: (Signature)

DATE TIME

RECEIVED BY: (Signature)

DATE 10/1/89
TIME 2:05 PM

ACQUIRED BY: (Signature)

DATE TIME

RECEIVED BY: (Signature)

DATE TIME

ACQUIRED BY: (Signature)

DATE TIME

RECEIVED FOR LABORATORY BY: (Signature)

DATE TIME

12/20/89 10:45

MR 001556

1252 Quarry Lane, P.O. Box 5079
Pleasanton, California 94566
(415) 425-2800

Clayton Environmental Consultants
Department 77179
Detroit, Michigan 48277-0179

Invoice: 81810

Date: December 13, 1989

To: PRECISION ANALYTICAL LAB, INC.
4136 Lakeside Drive
Richmond, CA 94806

Attn: Mr. Jaime Chow

Terms: Net 20 Days

Client's Order No.

Project No.: 89120.65

Clayton Environmental Consultants, Inc.

For Professional Services:

Laboratory Batch No. 8912065
Laboratory analysis for samples received on December 6, 1989

		Amou
Five (5) Soil Samples for EPA 8240	@\$190/sample	\$ 95
Five (5) Soil Samples for EPA 8270	@\$370/sample	185
	Sub total	\$280
	RUSH TAT Surcharge @50%	140
TOTAL THIS INVOICE		<u>\$420</u>

For billing inquiries, please contact
Susan Zagryn at (415) 426-2634

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: S-1
Sample Received: 12/06/89
Sample Analyzed: 12/06-07/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8912065-01A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	8
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	8
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	ND	4
1,1-dichloroethene	75-35-4	ND	4
1,1-dichloroethane	75-35-3	ND	4
Trans-1,2-dichloroethene	156-60-5	ND	4
Chloroform	67-66-3	ND	4
1,2-dichloroethane	107-06-2	ND	8
1,1,1-trichloroethane	71-55-6	ND	4
Carbon tetrachloride	56-23-5	ND	4
Bromodichloromethane	75-27-4	ND	4
1,2-dichloropropane	78-87-5	ND	8
Cis-1,3-dichloropropene	10061-01-5	ND	8
Trichloroethene	79-01-6	ND	10
Benzene	71-43-2	ND	4
Dibromochloromethane	124-48-1	ND	8
1,1,2-trichloroethane	79-00-5	ND	8
Trans-1,3-dichloropropene	10061-02-6	ND	8
2-chloroethylvinylether	100-75-8	ND	20
Bromoform	75-25-2	ND	8
1,1,2,2-tetrachloroethane	79-34-5	ND	10
Tetrachloroethene	127-18-4	ND	8
Toluene	108-88-3	ND	4
Chlorobenzene	108-90-7	ND	4
Ethylbenzene	100-41-4	ND	10
1,3-dichlorobenzene	541-73-7	ND	10
1,2-dichlorobenzene	95-50-1	ND	10
1,4-dichlorobenzene	106-46-7	ND	10
Freon 113	76-13-1	ND	4
Total Xylenes	1330-20-7	ND	8
Acetone	67-64-1	ND	20
2-Butanone	78-93-3	ND	20
4-Methyl-2-pentanone	108-10-1	110	20
2-Hexanone	591-78-6	ND	20
Vinyl acetate	108-05-4	ND	10
Carbon disulfide	75-15-0	ND	8
Styrene	100-42-5	ND	8

ND = Not detected at or above limit of detection

MR 001558

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: S-2
Sample Received: 12/06/89
Sample Analyzed: 12/06-07/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8912065-02A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	8
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	8
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	ND	4
1,1-dichloroethene	75-35-4	ND	4
1,1-dichloroethane	75-35-3	ND	4
Trans-1,2-dichloroethene	156-60-5	ND	4
Chloroform	67-66-3	ND	4
1,2-dichloroethane	107-06-2	ND	8
1,1,1-trichloroethane	71-55-6	ND	4
Carbon tetrachloride	56-23-5	ND	4
Bromodichloromethane	75-27-4	ND	4
1,2-dichloropropane	78-87-5	ND	8
Cis-1,3-dichloropropene	10061-01-5	ND	8
Trichloroethene	79-01-6	ND	10
Benzene	71-43-2	ND	4
Dibromochloromethane	124-48-1	ND	8
1,1,2-trichloroethane	79-00-5	ND	8
Trans-1,3-dichloropropene	10061-02-6	ND	8
2-chloroethylvinylether	100-75-8	ND	20
Bromoform	75-25-2	ND	8
1,1,2,2-tetrachloroethane	79-34-5	ND	10
Tetrachloroethene	127-18-4	ND	8
Toluene	108-88-3	ND	4
Chlorobenzene	108-90-7	ND	4
Ethylbenzene	100-41-4	ND	10
1,3-dichlorobenzene	541-73-7	ND	10
1,2-dichlorobenzene	95-50-1	ND	10
1,4-dichlorobenzene	106-46-7	ND	10
Freon 113	76-13-1	ND	4
Total Xylenes	1330-20-7	ND	8
Acetone	67-64-1	ND	20
2-Butanone	78-93-3	ND	20
4-Methyl-2-pentanone	108-10-1	170	20
2-Hexanone	591-78-6	ND	20
Vinyl acetate	108-05-4	ND	10
Carbon disulfide	75-15-0	ND	8
Styrene	100-42-5	ND	8

ND = Not detected at or above limit of detection

MR 001559

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: S-3
Sample Received: 12/06/89
Sample Analyzed: 12/06-07/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8912065-03A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	8
Bromomethane	74-83-9	ND	4
Vinyl chloride	75-01-4	ND	4
Chloroethane	75-00-3	ND	8
Methylene chloride	75-09-2	ND	10
Trichlorofluoromethane	75-69-4	ND	4
1,1-dichloroethene	75-35-4	ND	4
1,1-dichloroethane	75-35-3	ND	4
Trans-1,2-dichloroethene	156-60-5	ND	4
Chloroform	67-66-3	ND	4
1,2-dichloroethane	107-06-2	ND	8
1,1,1-trichloroethane	71-55-6	ND	4
Carbon tetrachloride	56-23-5	ND	4
Bromodichloromethane	75-27-4	ND	4
1,2-dichloropropane	78-87-5	ND	8
Cis-1,3-dichloropropene	10061-01-5	ND	8
Trichloroethene	79-01-6	ND	10
Benzene	71-43-2	ND	4
Dibromochloromethane	124-48-1	ND	8
1,1,2-trichloroethane	79-00-5	ND	8
Trans-1,3-dichloropropene	10061-02-6	ND	8
2-chloroethylvinylether	100-75-8	ND	20
Bromoform	75-25-2	ND	8
1,1,2,2-tetrachloroethane	79-34-5	ND	10
Tetrachloroethene	127-18-4	ND	8
Toluene	108-88-3	ND	4
Chlorobenzene	108-90-7	ND	4
Ethylbenzene	100-41-4	ND	10
1,3-dichlorobenzene	541-73-7	ND	10
1,2-dichlorobenzene	95-50-1	ND	10
1,4-dichlorobenzene	106-46-7	ND	10
Freon 113	76-13-1	ND	4
Total Xylenes	1330-20-7	ND	8
Acetone	67-64-1	ND	20
2-Butanone	78-93-3	ND	20
4-Methyl-2-pentanone	108-10-1	170	20
2-Hexanone	591-78-6	ND	20
Vinyl acetate	108-05-4	ND	10
Carbon disulfide	75-15-0	ND	8
Styrene	100-42-5	ND	8

ND = Not detected at or above limit of detection

MR 001560

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: S-4
Sample Received: 12/06/89
Sample Analyzed: 12/06-07/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8912065-04A

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

ND = Not detected at or above limit of detection

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: METHOD BLANK
Sample Received: 12/06/89
Sample Analyzed: 12/06-07/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8912065-06A

Compound	CAS #	Concentration mg/kg	Limit of Detection mg/kg
Chloromethane	74-87-3	ND	0.4
Bromomethane	74-83-9	ND	0.2
Vinyl chloride	75-01-4	ND	0.2
Chloroethane	75-00-3	ND	0.4
Methylene chloride	75-09-2	ND	0.6
Trichlorofluoromethane	75-69-4	ND	0.2
1,1-dichloroethene	75-35-4	ND	0.2
1,1-dichloroethane	75-35-3	ND	0.2
Trans-1,2-dichloroethene	156-60-5	ND	0.2
Chloroform	67-66-3	ND	0.2
1,2-dichloroethane	107-06-2	ND	0.4
1,1,1-trichloroethane	71-55-6	ND	0.2
Carbon tetrachloride	56-23-5	ND	0.2
Bromodichloromethane	75-27-4	ND	0.2
1,2-dichloropropane	78-87-5	ND	0.4
Cis-1,3-dichloropropene	10061-01-5	ND	0.4
Trichloroethene	79-01-6	ND	0.5
Benzene	71-43-2	ND	0.2
Dibromochloromethane	124-48-1	ND	0.4
1,1,2-trichloroethane	79-00-5	ND	0.4
Trans-1,3-dichloropropene	10061-02-6	ND	0.4
2-chloroethylvinylether	100-75-8	ND	1
Bromoform	75-25-2	ND	0.4
1,1,2,2-tetrachloroethane	79-34-5	ND	0.6
Tetrachloroethene	127-18-4	ND	0.4
Toluene	108-88-3	ND	0.2
Chlorobenzene	108-90-7	ND	0.2
Ethylbenzene	100-41-4	ND	0.6
1,3-dichlorobenzene	541-73-7	ND	0.6
1,2-dichlorobenzene	95-50-1	ND	0.6
1,4-dichlorobenzene	106-46-7	ND	0.6
Freon 113	76-13-1	ND	0.2
Total Xylenes	1330-20-7	ND	0.4
Acetone	67-64-1	ND	1
2-Butanone	78-93-3	ND	1
4-Methyl-2-pentanone	108-10-1	ND	1
2-Hexanone	591-78-6	ND	1
Vinyl acetate	108-05-4	ND	0.6
Carbon disulfide	75-15-0	ND	0.4
Styrene	100-42-5	ND	0.4

ND = Not detected at or above limit of detection

MR 001562

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: S-1

Client: PRECISION ANALYTICAL

Sample Received: 12/06/89
Sample Extracted: 12/08/89
Sample Analyzed: 12/11/89

Client Ref. No.: NONE
Lab Client Code: 77604

Sample Matrix: SOIL

Lab No.: 8912065-01A

Compound	CAS #	Concentration ug/kg	Limit of Detecti 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	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

MR 001565

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

Sample I.D.: S-1

Client: PRECISION ANALYTICAL

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
Benzydine	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

MR 001566

Page 11 of 12

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: S-2

Client: PRECISION ANALYTICAL

Sample Received: 12/06/89
Sample Extracted: 12/08/89
Sample Analyzed: 12/11/89

Client Ref. No.: NONE
Lab Client Code: 77604

Sample Matrix: SOIL

Lab No.: 8912065-02A

Compound	CAS #	Concentration ug/kg	Limit of Detecti 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	70	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

MR 001567

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

Sample I.D.: S-2

Client: PRECISION ANALYTICAL

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

MR 001568

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: S-3

Client: PRECISION ANALYTICAL

Sample Received: 12/06/89
Sample Extracted: 12/08/89
Sample Analyzed: 12/11/89

Client Ref. No.: NONE
Lab Client Code: 77604

Sample Matrix: SOIL

Lab No.: 8912065-03A

Compound	CAS #	Concentration ug/kg	Limit of Detecti 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	100	30
1,4-dichlorobenzene	106-46-7	210	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	60	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

MR 001569

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

Sample I.D.: S-3

Client: PRECISION ANALYTICAL

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	380	30
Anthracene	120-12-7	ND	30
Di-n-butylphthalate	84-74-2	ND	30
Fluoranthene	206-44-2	410	30
Benzidine	92-87-5	ND	1000
Pyrene	129-00-0	740	30
Benzylbutylphthalate	85-68-7	ND	30
3,3'-dichlorobenzidine	91-94-1	ND	1000
Benzo(a)anthracene	56-55-3	180	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

MR 001570

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: S-4

Client: PRECISION ANALYTICAL

Sample Received: 12/06/89
Sample Extracted: 12/08/89
Sample Analyzed: 12/11/89

Client Ref. No.: NONE
Lab Client Code: 77604

Sample Matrix: SOIL

Lab No.: 8912065-04A

Compound	CAS #	Concentration ug/kg	Limit of Detecti 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	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	50	30
1,4-dichlorobenzene	106-46-7	80	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	30	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

MR 001571

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

Sample I.D.: S-4

Client: PRECISION ANALYTICAL

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	400	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

MR 001572

EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: METHOD BLANK
Sample Received: 12/06/89
Sample Extracted: 12/07/89
Sample Analyzed: 12/11/89
Sample Matrix: SOIL

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8912065-06A

Compound	CAS #	Concentration ug/kg	Limit of Detectic 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

MR 001573

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

Sample I.D.: METHOD BLANK

Client: PRECISION ANALYTICAL

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

MR 001574

CHAIN OF CUSTODY

PROJECT NO. SAMPLERS (Signature) 8912055

PROJECT NAME AND ADDRESS: *Project*
~~MIKE~~ *ROBERTS* ~~COLOR~~
 Bill To: *- James Chen* 4136 Lake Side Drive
 Richmond, Ca. 94806

ANALYSIS REQUESTED

TPH - GASOLINE/DIESEL
 BTEX - (8020)
 HALOGENATED
 TOTAL OIL & GREASE
 PCB's (8080)
 METALS (CAM-17)
 8240
 827

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	TPH - GASOLINE/DIESEL	BTEX - (8020)	HALOGENATED	TOTAL OIL & GREASE	PCB's (8080)	METALS (CAM-17)	REMARKS
S-1	12-6-89	11:30	4		FROST TANK PIT						X	X
S-2	12-6-89	11:35	X								X	X
S-3	12-6-89	11:40	X								X	X
S-4	12-6-89	11:45	X								X	X
U-1	12-6-89	12:0		X							X	X
<i>5 day turn</i>												

ACQUIRED BY: (Signature) <i>[Signature]</i>	DATE <i>12-6-89</i>	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE <i>12</i>
ACQUIRED BY: (Signature) <i>[Signature]</i>	TIME <i>1:15 PM</i>	RECEIVED BY: (Signature) <i>[Signature]</i>	TIME <i>1:15</i>
ACQUIRED BY: (Signature) <i>[Signature]</i>	DATE <i>12/6/89</i>	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE
ACQUIRED BY: (Signature) <i>[Signature]</i>	TIME <i>1:30</i>	RECEIVED BY: (Signature) <i>[Signature]</i>	TIME
ACQUIRED BY: (Signature)	DATE	RECEIVED BY: (Signature)	DATE
ACQUIRED BY: (Signature)	TIME	RECEIVED BY: (Signature)	TIME

MR 001579

TANK EXCAVATION
WATER SAMPLE

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: W-1
Sample Received: 12/06/89
Sample Analyzed: 12/07/89
Sample Matrix: WATER

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8912065-05A

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	ND	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	ND	200
Chlorobenzene	108-90-7	ND	300
Ethylbenzene	100-41-4	ND	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	ND	300
Acetone	67-64-1	ND	2000
2-Butanone	78-93-3	ND	2000
4-Methyl-2-pentanone	108-10-1	110,000	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

MR 001563

EPA METHOD 8240
PURGEABLE ORGANICS

Sample I.D.: Method Blank
Sample Received: 12/06/89
Sample Analyzed: 12/07/89
Sample Matrix: WATER

Client: PRECISION ANALYTICAL
Client Ref. No.: NONE
Lab Client Code: 77604
Lab No.: 8912065-07A

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

MR 001564

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EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: W-1

Client: PRECISION ANALYTICAL

Sample Received: 12/06/89
Sample Extracted: 12/08/89
Sample Analyzed: 12/11/89

Client Ref. No.: NONE
Lab Client Code: 77604

Sample Matrix: WATER

Lab No.: 8912065-05C

Compound	CAS #	Concentration ug/L	Limit of Detecti ug/L
<u>ACID COMPOUNDS</u>			
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	40*
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

* = Detection limit raised due to matrix interference.

MR 001575

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

Sample I.D.: W-1

Client: PRECISION ANALYTICAL

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

ND = Not detected at or above limit of detection

MR 001576

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EPA METHOD 8270
ACID & BASE/NEUTRAL EXTRACTABLES

Sample I.D.: Method Blank
 Sample Received: 12/06/89
 Sample Extracted: 12/08/89
 Sample Analyzed: 12/11/89
 Sample Matrix: WATER

Client: PRECISION ANALYTICAL
 Client Ref. No.: NONE
 Lab Client Code: 77604
 Lab No.: 8912065-07A

Compound	CAS #	Concentration ug/L	Limit of Detecti ug/L
<u>ACID COMPOUNDS</u>			
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
<u>BASE/NEUTRAL COMPOUNDS</u>			
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

MR 001577

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

Sample I.D.: Method Blank

Client: PRECISION ANALYTICAL

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

ND = Not detected at or above limit of detection

MR 001578



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 28-APR-94
Lab Job Number: 115201
Project ID: 820.001
Location: 6707 Bay St.

Reviewed by:

Mary Plessas

Reviewed by:

Keebe O'Brien

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LABORATORY NUMBER: 115201-001
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T1 @ 8

DATE SAMPLED: 04/13/94
 DATE RECEIVED: 04/15/94
 DATE ANALYZED: 04/20/94
 DATE REPORTED: 04/26/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	101 %
Toluene-d8	104 %
Bromofluorobenzene	85 %



LABORATORY NUMBER: 115201-002
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T2 @ 8.5

DATE SAMPLED: 04/13/94
 DATE RECEIVED: 04/15/94
 DATE ANALYZED: 04/21/94
 DATE REPORTED: 04/26/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	110*	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	20	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Possible laboratory contamination.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	104 %
Toluene-d8	97 %
Bromofluorobenzene	94 %



LABORATORY NUMBER: 115201-003
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T3 @ 8

DATE SAMPLED: 04/13/94
 DATE RECEIVED: 04/15/94
 DATE ANALYZED: 04/20/94
 DATE REPORTED: 04/26/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	70*	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	10	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	Detected(4)	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Possible laboratory contamination.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	104 %
Toluene-d8	116 %
Bromofluorobenzene	83 %



LABORATORY NUMBER: 115201-004
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.
SAMPLE ID: T4 @ 9

DATE SAMPLED: 04/14/94
DATE RECEIVED: 04/15/94
DATE ANALYZED: 04/20/94
DATE REPORTED: 04/26/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	50*	20
Carbon disulfide	Detected (4)	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	Detected (8)	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	10	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Possible laboratory contamination.
ND = Not detected at or above reporting limit.
QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	96 %
Toluene-d8	107 %
Bromofluorobenzene	89 %

LABORATORY NUMBER: 115201-005
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T4 @ 14.5

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE ANALYZED: 04/21/94
 DATE REPORTED: 04/26/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	160*	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	40	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Possible laboratory contamination.
 ND = Not detected at or above reporting limit.
 QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	103 %
Toluene-d8	107 %
Bromofluorobenzene	93 %



LABORATORY NUMBER: 115201-006
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T6 @ 7.5

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE ANALYZED: 04/21/94
 DATE REPORTED: 04/26/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	100*	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	10	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	Detected (6)	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Possible laboratory contamination.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	98 %
Toluene-d8	104 %
Bromofluorobenzene	79 %



LABORATORY NUMBER: 115201-007
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T7 @ 14

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE ANALYZED: 04/27/94
 DATE REPORTED: 04/27/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	500
Bromomethane	ND	500
Vinyl chloride	ND	500
Chloroethane	ND	500
Methylene chloride	ND	1,000
Acetone	ND	1,000
Carbon disulfide	ND	300
Trichlorofluoromethane	ND	300
1,1-Dichloroethene	ND	300
1,1-Dichloroethane	ND	300
trans-1,2-Dichloroethene	ND	300
cis-1,2-Dichloroethene	ND	300
Chloroform	ND	300
Freon 113	ND	300
1,2-Dichloroethane	ND	300
2-Butanone	ND	500
1,1,1-Trichloroethane	ND	300
Carbon tetrachloride	ND	300
Vinyl acetate	ND	3,000
Bromodichloromethane	ND	300
1,2-Dichloropropane	ND	300
cis-1,3-Dichloropropene	ND	300
Trichloroethene	ND	300
Dibromochloromethane	ND	300
1,1,2-Trichloroethane	ND	300
Benzene	600	300
trans-1,3-Dichloropropene	ND	300
Bromoform	ND	300
2-Hexanone	ND	500
4-Methyl-2-pentanone	7,800	500
1,1,2,2-Tetrachloroethane	ND	300
Tetrachloroethene	ND	300
Toluene	ND	300
Chlorobenzene	ND	300
Ethyl benzene	ND	300
Styrene	ND	300
Total xylenes	500	300

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	95 %
Toluene-d8	101 %
Bromofluorobenzene	96 %



LABORATORY NUMBER: 115201-008
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW9 @ 8.5

DATE SAMPLED: 04/13/94
 DATE RECEIVED: 04/15/94
 DATE ANALYZED: 04/20/94
 DATE REPORTED: 04/26/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	70*	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	10	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	Detected (6)	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Possible laboratory contamination.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	103 %
Toluene-d8	110 %
Bromofluorobenzene	90 %



LABORATORY NUMBER: 115201-009
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW10 @ 9.5

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE ANALYZED: 04/20/94
 DATE REPORTED: 04/26/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	30*	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Possible laboratory contamination.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	104 %
Toluene-d8	102 %
Bromofluorobenzene	99 %



LABORATORY NUMBER: 115201-012
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T5 @ 9

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE ANALYZED: 04/20/94
 DATE REPORTED: 04/26/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	20*	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Possible laboratory contamination.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	100 %
Toluene-d8	100 %
Bromofluorobenzene	99 %



LABORATORY NUMBER: 115201-013
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T7 @ 7.5

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE ANALYZED: 04/23/94
 DATE REPORTED: 04/26/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	30*	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	Detected(9)	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Possible laboratory contamination.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	102 %
Toluene-d8	110 %
Bromofluorobenzene	92 %

LABORATORY NUMBER: 115201 METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE ANALYZED: 04/20/94
 DATE REPORTED: 04/27/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	102 %
Toluene-d8	100 %
Bromofluorobenzene	97 %



LABORATORY NUMBER: 115201 METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE ANALYZED: 04/20/94
 DATE REPORTED: 04/27/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	103 %
Toluene-d8	102 %
Bromofluorobenzene	100 %

LABORATORY NUMBER: 115201 METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE ANALYZED: 04/22/94
 DATE REPORTED: 04/27/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	101 %
Toluene-d8	102 %
Bromofluorobenzene	98 %

LABORATORY NUMBER: 115201 METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE ANALYZED: 04/27/94
 DATE REPORTED: 04/27/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	300
Bromomethane	ND	300
Vinyl chloride	ND	300
Chloroethane	ND	300
Methylene chloride	ND	500
Acetone	ND	500
Carbon disulfide	ND	100
Trichlorofluoromethane	ND	100
1,1-Dichloroethene	ND	100
1,1-Dichloroethane	ND	100
trans-1,2-Dichloroethene	ND	100
cis-1,2-Dichloroethene	ND	100
Chloroform	ND	100
Freon 113	ND	100
1,2-Dichloroethane	ND	100
2-Butanone	ND	300
1,1,1-Trichloroethane	ND	100
Carbon tetrachloride	ND	100
Vinyl acetate	ND	1,000
Bromodichloromethane	ND	100
1,2-Dichloropropane	ND	100
cis-1,3-Dichloropropene	ND	100
Trichloroethene	ND	100
Dibromochloromethane	ND	100
1,1,2-Trichloroethane	ND	100
Benzene	ND	100
trans-1,3-Dichloropropene	ND	100
Bromoform	ND	100
2-Hexanone	ND	300
4-Methyl-2-pentanone	ND	300
1,1,2,2-Tetrachloroethane	ND	100
Tetrachloroethene	ND	100
Toluene	ND	100
Chlorobenzene	ND	100
Ethyl benzene	ND	100
Styrene	ND	100
Total xylenes	ND	100

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	100 %
Toluene-d8	96 %
Bromofluorobenzene	95 %

MS/MSD Report

Matrix Sample Number: 115201-005
 Lab No: QC61520 QC61521
 Matrix: SOIL
 Batch No: 13793 9416291 9416292 9416286

Date Analyzed: 21-APR-94
 Spike File: >BDK22
 Spike Dup File: >BDK23
 Analyst: CW

	Instrdg	SpikeAmt	% Rec	Limits
<u>MS RESULTS</u>				
1,1-Dichloroethene	52.95	50	106 %	59-172%
Trichloroethene	41.19	50	82 %	62-137%
Benzene	48.04	50	92 %	66-142%
Toluene	48.73	50	98 %	59-139%
Chlorobenzene	42.57	50	85 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	50.24	50	100 %	70-121%
Toluene-d8	53.76	50	108 %	84-138%
Bromofluorobenzene	41.28	50	83 %	59-113%
<u>MSD RESULTS</u>				
1,1-Dichloroethene	59.08	50	118 %	59-172%
Trichloroethene	48.12	50	96 %	62-137%
Benzene	54.47	50	105 %	66-142%
Toluene	54.43	50	109 %	59-139%
Chlorobenzene	45.6	50	91 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	48.69	50	97 %	70-121%
Toluene-d8	54.82	50	110 %	84-138%
Bromofluorobenzene	41.1	50	82 %	59-113%
<u>MATRIX RESULTS</u>				
1,1-Dichloroethene	0			
Trichloroethene	0			
Benzene	1.98			
Toluene	0			
Chlorobenzene	0			
<u>RPD DATA</u>				
1,1-Dichloroethene	11 %			< 22%
Trichloroethene	16 %			< 24%
Benzene	13 %			< 21%
Toluene	11 %			< 21%
Chlorobenzene	7 %			< 21%

Results within Specifications - PASS

8240 Laboratory Control Sample Report

Lab No: QC61459
Date Analyzed: 20-APR-94
Matrix: SOIL
Batch No: 13771 9416228

LCS Datafile: >ADK06

Operator: CW

Compound	Instrdg	SpikeAmt	% Rec	Limits
1,1-Dichloroethene	63.56	50	127 %	59-172%
Trichloroethene	53.9	50	108 %	62-137%
Benzene	53.72	50	107 %	66-142%
Toluene	52.45	50	105 %	59-139%
Chlorobenzene	51.81	50	104 %	60-133%

Surrogate Recoveries

1,2-Dichloroethane-d4	52.89	50	106 %	70-121%
Toluene-d8	51.05	50	102 %	84-138%
Bromofluorobenzene	50.78	50	102 %	59-113%

Results within Specifications - PASS

CW 4/21/94

CLP VOCN Laboratory Control Sample Report

Lab No: QC61600
Date Analyzed: 22-APR-94
Matrix: SOIL
Batch No: 13817 9416384

LCS Datafile: >ADM04

Operator: CW

Compound	Instrdg	SpikeAmt	% Rec	Limits
1,1-Dichloroethene	57.89	50	116 %	59-172%
Trichloroethene	49.33	50	99 %	62-137%
Benzene	51.49	50	103 %	66-142%
Toluene	51.42	50	103 %	59-139%
Chlorobenzene	51.14	50	102 %	60-133%

Surrogate Recoveries

1,2-Dichloroethane-d4	49.57	50	99 %	70-121%
Toluene-d8	51.23	50	102 %	84-138%
Bromofluorobenzene	48.61	50	97 %	59-113%

Results within Specifications - PASS



MS/MSD Report

Matrix Sample Number: 115326-004
 Lab No: QC61824 QC61825
 Matrix: WATER
 Batch No: 13873 9416603 9416605 9416596

Date Analyzed: 27-APR-94
 Spike File: >BDQ18
 Spike Dup File: >BDQ19
 Analyst: CW

	Instrdrg	SpikeAmt	% Rec	Limits
<u>MS RESULTS</u>				
1,1-Dichloroethene	61.24	50	123 %	61-145%
Trichloroethene	46.85	50	94 %	71-120%
Benzene	51	50	102 %	76-127%
Toluene	50.82	50	102 %	76-125%
Chlorobenzene	49.53	50	99 %	75-130%

Surrogate Recoveries

1,2-Dichloroethane-d4	51.77	50	104 %	76-114%
Toluene-d8	48.78	50	98 %	88-110%
Bromofluorobenzene	49.13	50	98 %	86-115%

MSD RESULTS

1,1-Dichloroethene	56.1	50	112 %	61-145%
Trichloroethene	44.63	50	89 %	71-120%
Benzene	47.26	50	95 %	76-127%
Toluene	50.86	50	102 %	76-125%
Chlorobenzene	47.61	50	95 %	75-130%

Surrogate Recoveries

1,2-Dichloroethane-d4	51.66	50	103 %	76-114%
Toluene-d8	51.29	50	103 %	88-110%
Bromofluorobenzene	48.86	50	98 %	86-115%

MATRIX RESULTS

1,1-Dichloroethene	0
Trichloroethene	0
Benzene	0
Toluene	0
Chlorobenzene	0

RPD DATA

1,1-Dichloroethene	9 %	< 14%
Trichloroethene	5 %	< 14%
Benzene	8 %	< 11%
Toluene	0 %	< 13%
Chlorobenzene	4 %	< 13%

Results within Specifications - PASS

CW 4/27/94



LABORATORY NUMBER: 115201-010
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T2 @ 6

DATE SAMPLED: 04/13/94
 DATE RECEIVED: 04/15/94
 DATE EXTRACTED: 04/18/94
 DATE ANALYZED: 04/22/94
 DATE REPORTED: 04/26/94

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
 Extraction Method: EPA 3550 Sonication

ACID COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Phenol	ND	300
2-Chlorophenol	ND	300
Benzyl Alcohol	ND	300
2-Methylphenol	ND	300
4-Methylphenol	ND	300
2-Nitrophenol	ND	2,000
2,4-Dimethylphenol	ND	300
Benzoic Acid	ND	2,000
2,4-Dichlorophenol	ND	2,000
4-Chloro-3-methylphenol	ND	300
2,4,6-Trichlorophenol	ND	300
2,4,5-Trichlorophenol	ND	2,000
2,4-Dinitrophenol	ND	2,000
4-Nitrophenol	ND	2,000
4,6-Dinitro-2-methylphenol	ND	2,000
Pentachlorophenol	ND	2,000
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Bis(2-chloroethyl) ether	ND	300
1,3-Dichlorobenzene	ND	300
1,4-Dichlorobenzene	ND	300
1,2-Dichlorobenzene	ND	300
Bis(2-chloroisopropyl) ether	ND	300
N-Nitroso-di-n-propylamine	ND	300
Hexachloroethane	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
Bis(2-chloroethoxy) methane	ND	300
1,2,4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	2,000



LABORATORY NUMBER: 115201-010

EPA 8270

SAMPLE ID: T2 @ 6

BASE/NEUTRAL COMPOUNDS

	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
2,6-Dinitrotoluene	ND	300
3-Nitroaniline	ND	2,000
Acenaphthene	ND	300
Dibenzofuran	ND	300
2,4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
4-Chlorophenyl-phenylether	ND	300
Fluorene	ND	300
4-Nitroaniline	ND	2,000
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Di-n-butylphthalate	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
3,3'-Dichlorobenzidine	ND	2,000
Benzo(a)anthracene	ND	300
Chrysene	ND	300
Bis(2-ethylhexyl)phthalate	ND	300
Di-n-octylphthalate	ND	300
Benzo(b)fluoranthene	Detected(230)	300
Benzo(k)fluoranthene	Detected(200)	300
Benzo(a)pyrene	ND	300
Indeno(1,2,3-cd)pyrene	ND	300
Dibenzo(a,h)anthracene	ND	300
Benzo(g,h,i)perylene	ND	300

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: % SURROGATE RECOVERIES

2-Fluorophenol	66	Nitrobenzene-d5	71
Phenol-d6	68	2-Fluorobiphenyl	98
2,4,6-Tribromophenol	39	Terphenyl-d14	108



LABORATORY NUMBER: 115201-011
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T5 @ 5

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE EXTRACTED: 04/18/94
 DATE ANALYZED: 04/22/94
 DATE REPORTED: 04/26/94

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
 Extraction Method: EPA 3550 Sonication

ACID COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Phenol	ND	3,000
2-Chlorophenol	ND	3,000
Benzyl Alcohol	ND	3,000
2-Methylphenol	ND	3,000
4-Methylphenol	ND	3,000
2-Nitrophenol	ND	20,000
2,4-Dimethylphenol	ND	3,000
Benzoic Acid	ND	20,000
2,4-Dichlorophenol	ND	20,000
4-Chloro-3-methylphenol	ND	3,000
2,4,6-Trichlorophenol	ND	3,000
2,4,5-Trichlorophenol	ND	20,000
2,4-Dinitrophenol	ND	20,000
4-Nitrophenol	ND	20,000
4,6-Dinitro-2-methylphenol	ND	20,000
Pentachlorophenol	ND	20,000
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	3,000
Aniline	ND	3,000
Bis(2-chloroethyl) ether	ND	3,000
1,3-Dichlorobenzene	ND	3,000
1,4-Dichlorobenzene	ND	3,000
1,2-Dichlorobenzene	ND	3,000
Bis(2-chloroisopropyl) ether	ND	3,000
N-Nitroso-di-n-propylamine	ND	3,000
Hexachloroethane	ND	3,000
Nitrobenzene	ND	3,000
Isophorone	ND	3,000
Bis(2-chloroethoxy) methane	ND	3,000
1,2,4-Trichlorobenzene	ND	3,000
Naphthalene	ND	3,000
4-Chloroaniline	ND	3,000
Hexachlorobutadiene	ND	3,000
2-Methylnaphthalene	ND	3,000
Hexachlorocyclopentadiene	ND	3,000
2-Chloronaphthalene	ND	3,000
2-Nitroaniline	ND	20,000



LABORATORY NUMBER: 115201-011

EPA 8270

SAMPLE ID: T5 @ 5

BASE/NEUTRAL COMPOUNDS

	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	3,000
Acenaphthylene	ND	3,000
2,6-Dinitrotoluene	ND	3,000
3-Nitroaniline	ND	20,000
Acenaphthene	ND	3,000
Dibenzofuran	ND	3,000
2,4-Dinitrotoluene	ND	3,000
Diethylphthalate	ND	3,000
4-Chlorophenyl-phenylether	ND	3,000
Fluorene	ND	3,000
4-Nitroaniline	ND	20,000
N-Nitrosodiphenylamine	ND	3,000
Azobenzene	ND	3,000
4-Bromophenyl-phenylether	ND	3,000
Hexachlorobenzene	ND	3,000
Phenanthrene	ND	3,000
Anthracene	ND	3,000
Di-n-butylphthalate	ND	3,000
Fluoranthene	ND	3,000
Pyrene	ND	3,000
Butylbenzylphthalate	ND	3,000
3,3'-Dichlorobenzidine	ND	20,000
Benzo(a)anthracene	ND	3,000
Chrysene	ND	3,000
Bis(2-ethylhexyl)phthalate	ND	3,000
Di-n-octylphthalate	ND	3,000
Benzo(b)fluoranthene	ND	3,000
Benzo(k)fluoranthene	ND	3,000
Benzo(a)pyrene	ND	3,000
Indeno(1,2,3-cd)pyrene	ND	3,000
Dibenzo(a,h)anthracene	ND	3,000
Benzo(g,h,i)perylene	ND	3,000

ND = Not detected at or above reporting limit.

*NOTE: All surrogates diluted out.

QA/QC SUMMARY: % SURROGATE RECOVERIES

2-Fluorophenol	*	Nitrobenzene-d5	*
Phenol-d6	*	2-Fluorobiphenyl	*
2,4,6-Tribromophenol	*	Terphenyl-d14	*



LABORATORY NUMBER: 115201-012
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.
SAMPLE ID: T5 @ 9

DATE SAMPLED: 04/14/94
DATE RECEIVED: 04/15/94
DATE EXTRACTED: 04/18/94
DATE ANALYZED: 04/22/94
DATE REPORTED: 04/26/94

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
Extraction Method: EPA 3550 Sonication

ACID COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Phenol	ND	300
2-Chlorophenol	ND	300
Benzyl Alcohol	ND	300
2-Methylphenol	ND	300
4-Methylphenol	ND	300
2-Nitrophenol	ND	2,000
2,4-Dimethylphenol	ND	300
Benzoic Acid	ND	2,000
2,4-Dichlorophenol	ND	2,000
4-Chloro-3-methylphenol	ND	300
2,4,6-Trichlorophenol	ND	300
2,4,5-Trichlorophenol	ND	2,000
2,4-Dinitrophenol	ND	2,000
4-Nitrophenol	ND	2,000
4,6-Dinitro-2-methylphenol	ND	2,000
Pentachlorophenol	ND	2,000
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Bis(2-chloroethyl)ether	ND	300
1,3-Dichlorobenzene	ND	300
1,4-Dichlorobenzene	ND	300
1,2-Dichlorobenzene	ND	300
Bis(2-chloroisopropyl)ether	ND	300
N-Nitroso-di-n-propylamine	ND	300
Hexachloroethane	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
Bis(2-chloroethoxy)methane	ND	300
1,2,4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	2,000



LABORATORY NUMBER: 115201-012
 SAMPLE ID: T5 @ 9

EPA 8270

BASE/NEUTRAL COMPOUNDS

	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
2,6-Dinitrotoluene	ND	300
3-Nitroaniline	ND	2,000
Acenaphthene	ND	300
Dibenzofuran	ND	300
2,4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
4-Chlorophenyl-phenylether	ND	300
Fluorene	ND	300
4-Nitroaniline	ND	2,000
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Di-n-butylphthalate	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
3,3'-Dichlorobenzidine	ND	2,000
Benzo(a)anthracene	ND	300
Chrysene	ND	300
Bis(2-ethylhexyl)phthalate	400	300
Di-n-octylphthalate	ND	300
Benzo(b)fluoranthene	ND	300
Benzo(k)fluoranthene	ND	300
Benzo(a)pyrene	ND	300
Indeno(1,2,3-cd)pyrene	ND	300
Dibenzo(a,h)anthracene	ND	300
Benzo(g,h,i)perylene	ND	300

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: % SURROGATE RECOVERIES

2-Fluorophenol	58	Nitrobenzene-d5	72
Phenol-d6	61	2-Fluorobiphenyl	70
2,4,6-Tribromophenol	51	Terphenyl-d14	82



LABORATORY NUMBER: 115201-013
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.
SAMPLE ID: T7 @ 7.5

DATE SAMPLED: 04/14/94
DATE RECEIVED: 04/15/94
DATE EXTRACTED: 04/18/94
DATE ANALYZED: 04/23/94
DATE REPORTED: 04/26/94

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
Extraction Method: EPA 3550 Sonication

ACID COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Phenol	ND	300
2-Chlorophenol	ND	300
Benzyl Alcohol	ND	300
2-Methylphenol	ND	300
4-Methylphenol	ND	300
2-Nitrophenol	ND	2,000
2,4-Dimethylphenol	ND	300
Benzoic Acid	ND	2,000
2,4-Dichlorophenol	ND	2,000
4-Chloro-3-methylphenol	ND	300
2,4,6-Trichlorophenol	ND	300
2,4,5-Trichlorophenol	ND	2,000
2,4-Dinitrophenol	ND	2,000
4-Nitrophenol	ND	2,000
4,6-Dinitro-2-methylphenol	ND	2,000
Pentachlorophenol	ND	2,000
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Bis(2-chloroethyl) ether	ND	300
1,3-Dichlorobenzene	ND	300
1,4-Dichlorobenzene	ND	300
1,2-Dichlorobenzene	ND	300
Bis(2-chloroisopropyl) ether	ND	300
N-Nitroso-di-n-propylamine	ND	300
Hexachloroethane	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
Bis(2-chloroethoxy) methane	ND	300
1,2,4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	2,000



LABORATORY NUMBER: 115201-013

EPA 8270

SAMPLE ID: T7 @ 7.5

BASE/NEUTRAL COMPOUNDS

RESULT
ug/KgREPORTING
LIMIT
ug/Kg

Dimethylphthalate	ND	300
Acenaphthylene	ND	300
2,6-Dinitrotoluene	ND	300
3-Nitroaniline	ND	2,000
Acenaphthene	ND	300
Dibenzofuran	ND	300
2,4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
4-Chlorophenyl-phenylether	ND	300
Fluorene	ND	300
4-Nitroaniline	ND	2,000
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Di-n-butylphthalate	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
3,3'-Dichlorobenzidine	ND	2,000
Benzo(a)anthracene	ND	300
Chrysene	ND	300
Bis(2-ethylhexyl)phthalate	ND	300
Di-n-octylphthalate	ND	300
Benzo(b)fluoranthene	ND	300
Benzo(k)fluoranthene	ND	300
Benzo(a)pyrene	ND	300
Indeno(1,2,3-cd)pyrene	ND	300
Dibenzo(a,h)anthracene	ND	300
Benzo(g,h,i)perylene	ND	300

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: % SURROGATE RECOVERIES

2-Fluorophenol	61	Nitrobenzene-d5	68
Phenol-d6	64	2-Fluorobiphenyl	71
2,4,6-Tribromophenol	61	Terphenyl-d14	89



LABORATORY NUMBER: 115201-014
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW9 @ 15.5

DATE SAMPLED: 04/13/94
 DATE RECEIVED: 04/15/94
 DATE EXTRACTED: 04/18/94
 DATE ANALYZED: 04/23/94
 DATE REPORTED: 04/26/94

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
 Extraction Method: EPA 3550 Sonication

ACID COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Phenol	ND	300
2-Chlorophenol	ND	300
Benzyl Alcohol	ND	300
2-Methylphenol	ND	300
4-Methylphenol	ND	300
2-Nitrophenol	ND	2,000
2,4-Dimethylphenol	ND	300
Benzoic Acid	ND	2,000
2,4-Dichlorophenol	ND	2,000
4-Chloro-3-methylphenol	ND	300
2,4,6-Trichlorophenol	ND	300
2,4,5-Trichlorophenol	ND	2,000
2,4-Dinitrophenol	ND	2,000
4-Nitrophenol	ND	2,000
4,6-Dinitro-2-methylphenol	ND	2,000
Pentachlorophenol	ND	2,000
 BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Bis(2-chloroethyl) ether	ND	300
1,3-Dichlorobenzene	ND	300
1,4-Dichlorobenzene	ND	300
1,2-Dichlorobenzene	ND	300
Bis(2-chloroisopropyl) ether	ND	300
N-Nitroso-di-n-propylamine	ND	300
Hexachloroethane	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
Bis(2-chloroethoxy) methane	ND	300
1,2,4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	2,000



LABORATORY NUMBER: 115201-014
 SAMPLE ID: MW9 @ 15.5

EPA 8270

BASE/NEUTRAL COMPOUNDS

	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
2,6-Dinitrotoluene	ND	300
3-Nitroaniline	ND	2,000
Acenaphthene	ND	300
Dibenzofuran	ND	300
2,4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
4-Chlorophenyl-phenylether	ND	300
Fluorene	ND	300
4-Nitroaniline	ND	2,000
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Di-n-butylphthalate	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
3,3'-Dichlorobenzidine	ND	2,000
Benzo(a)anthracene	ND	300
Chrysene	ND	300
Bis(2-ethylhexyl)phthalate	400	300
Di-n-octylphthalate	ND	300
Benzo(b)fluoranthene	ND	300
Benzo(k)fluoranthene	ND	300
Benzo(a)pyrene	ND	300
Indeno(1,2,3-cd)pyrene	ND	300
Dibenzo(a,h)anthracene	ND	300
Benzo(g,h,i)perylene	ND	300

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: % SURROGATE RECOVERIES

2-Fluorophenol	143	Nitrobenzene-d5	147
Phenol-d6	146	2-Fluorobiphenyl	153
2,4,6-Tribromophenol	126	Terphenyl-d14	176



LABORATORY NUMBER: 115201-015
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.
SAMPLE ID: MW10 @ 15.5

DATE SAMPLED: 04/14/94
DATE RECEIVED: 04/15/94
DATE EXTRACTED: 04/18/94
DATE ANALYZED: 04/25/94
DATE REPORTED: 04/26/94

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
Extraction Method: EPA 3550 Sonication

ACID COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Phenol	ND	2,000
2-Chlorophenol	ND	2,000
Benzyl Alcohol	ND	2,000
2-Methylphenol	ND	2,000
4-Methylphenol	ND	2,000
2-Nitrophenol	ND	10,000
2,4-Dimethylphenol	ND	2,000
Benzoic Acid	ND	10,000
2,4-Dichlorophenol	ND	10,000
4-Chloro-3-methylphenol	ND	2,000
2,4,6-Trichlorophenol	ND	2,000
2,4,5-Trichlorophenol	ND	10,000
2,4-Dinitrophenol	ND	10,000
4-Nitrophenol	ND	10,000
4,6-Dinitro-2-methylphenol	ND	10,000
Pentachlorophenol	ND	10,000
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	2,000
Aniline	ND	2,000
Bis(2-chloroethyl) ether	ND	2,000
1,3-Dichlorobenzene	ND	2,000
1,4-Dichlorobenzene	ND	2,000
1,2-Dichlorobenzene	ND	2,000
Bis(2-chloroisopropyl) ether	ND	2,000
N-Nitroso-di-n-propylamine	ND	2,000
Hexachloroethane	ND	2,000
Nitrobenzene	ND	2,000
Isophorone	ND	2,000
Bis(2-chloroethoxy) methane	ND	2,000
1,2,4-Trichlorobenzene	ND	2,000
Naphthalene	ND	2,000
4-Chloroaniline	ND	2,000
Hexachlorobutadiene	ND	2,000
2-Methylnaphthalene	ND	2,000
Hexachlorocyclopentadiene	ND	2,000
2-Chloronaphthalene	ND	2,000
2-Nitroaniline	ND	10,000



LABORATORY NUMBER: 115201-015
 SAMPLE ID: MW10 @ 15.5

EPA 8270

BASE/NEUTRAL COMPOUNDS

	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	2,000
Acenaphthylene	ND	2,000
2,6-Dinitrotoluene	ND	2,000
3-Nitroaniline	ND	10,000
Acenaphthene	ND	2,000
Dibenzofuran	ND	2,000
2,4-Dinitrotoluene	ND	2,000
Diethylphthalate	ND	2,000
4-Chlorophenyl-phenylether	ND	2,000
Fluorene	ND	2,000
4-Nitroaniline	ND	10,000
N-Nitrosodiphenylamine	ND	2,000
Azobenzene	ND	2,000
4-Bromophenyl-phenylether	ND	2,000
Hexachlorobenzene	ND	2,000
Phenanthrene	Detected (1600)	2,000
Anthracene	ND	2,000
Di-n-butylphthalate	ND	2,000
Fluoranthene	ND	2,000
Pyrene	ND	2,000
Butylbenzylphthalate	ND	2,000
3,3'-Dichlorobenzidine	ND	10,000
Benzo(a)anthracene	ND	2,000
Chrysene	ND	2,000
Bis(2-ethylhexyl)phthalate	ND	2,000
Di-n-octylphthalate	ND	2,000
Benzo(b)fluoranthene	ND	2,000
Benzo(k)fluoranthene	ND	2,000
Benzo(a)pyrene	ND	2,000
Indeno(1,2,3-cd)pyrene	ND	2,000
Dibenzo(a,h)anthracene	ND	2,000
Benzo(g,h,i)perylene	ND	2,000

ND = Not detected at or above reporting limit.

*NOTE: All surrogates diluted out.

QA/QC SUMMARY: % SURROGATE RECOVERIES

2-Fluorophenol	*	Nitrobenzene-d5	*
Phenol-d6	*	2-Fluorobiphenyl	*
2,4,6-Tribromophenol	*	Terphenyl-d14	*



LABORATORY NUMBER: 115201
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.

DATE SAMPLED: 04/13,14/94
DATE RECEIVED: 04/15/94
DATE EXTRACTED: 04/20/94
DATE ANALYZED: 04/22/94
DATE REPORTED: 04/26/94

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
115201-010	T2 @ 6	ND	40	10
115201-011	T5 @ 5	ND	ND	10
115201-012	T5 @ 9	ND	ND	1
115201-013	T7 @ 7.5	ND	ND	10
115201-014	MW9 @ 15.5	ND	ND	1
115201-015	MW10 @ 15.5	**	7,300	200

ND = Not detected at or above reporting limit.

* Reporting limit applies to all analytes.

QA/QC SUMMARY

LCS RECOVERY, %

79



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 16-MAY-96
Lab Job Number: 125498
Project ID: 820.001
Location: 6707 Bay St.

Reviewed by: _____

Reviewed by: _____

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TEH-Tot Ext Hydrocarbons

Client: Subsurface Consultants
 Project#: 820.001
 Location: 6707 Bay St.

Analysis Method: CA LUFT (EPA 8015M)
 Prep Method: EPA 3520

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
125498-001	MW-1	27530	05/09/96	05/10/96	05/16/96	
125498-002	MW-8	27530	05/09/96	05/10/96	05/16/96	
125498-003	MW-9	27530	05/09/96	05/10/96	05/16/96	
125498-004	MW-10	27530	05/09/96	05/10/96	05/16/96	

Analyte	Units	125498-001	125498-002	125498-003	125498-004
Diln Fac:		1	1	1	1
Diesel C12-C22	ug/L	1000 YH	4900 YH	570 YH	3300 YH
Surrogate					
Hexacosane	%REC	102	99	101	107

Y: Sample exhibits fuel pattern which does not resemble standard
 H: Heavier hydrocarbons than indicated standard



Lab #: 125498

BATCH QC REPORT

TEH-Tot Ext Hydrocarbons

Client: Subsurface Consultants	Analysis Method: CA LUFT (EPA 8015M)
Project#: 820.001	Prep Method: EPA 3520
Location: 6707 Bay St.	

METHOD BLANK

Matrix: Water	Prep Date: 05/10/96
Batch#: 27530	Analysis Date: 05/13/96
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC21451

Analyte	Result	
Diesel C12-C22	<50	
Surrogate	%Rec	Recovery Limits
Hexacosane	106	60-140

Lab #: 125498

BATCH QC REPORT

Page 1 of 1

TEH-Tot Ext Hydrocarbons			
Client: Subsurface Consultants	Analysis Method: CA LUFT (EPA 8015M)		
Project#: 820.001	Prep Method: EPA 3520		
Location: 6707 Bay St.			
BLANK SPIKE/BLANK SPIKE DUPLICATE			
Matrix: Water	Prep Date: 05/10/96		
Batch#: 27530	Analysis Date: 05/13/96		
Units: ug/L			
Diln Fac: 1			

BS Lab ID: QC21452

Analyte	Spike Added	BS	%Rec #	Limits
Diesel C12-C22	2475	2001	81	60-140
Surrogate	%Rec	Limits		
Hexacosane	104	60-140		

BSD Lab ID: QC21453

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Diesel C12-C22	2475	2035	82	60-140	2	<35
Surrogate	%Rec	Limits				
Hexacosane	103	60-140				

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

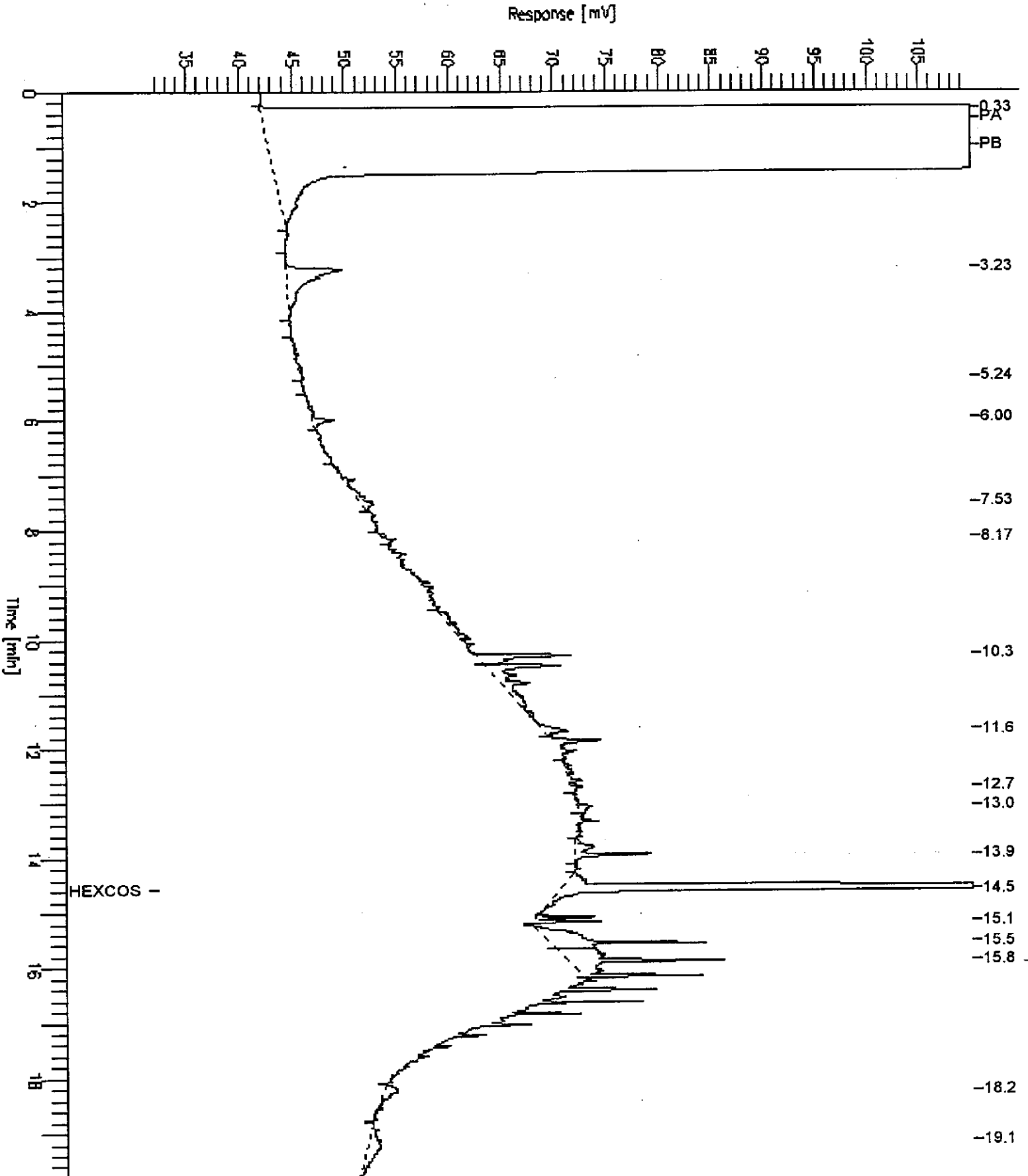
GC15 Channel B Surrogate

Sample Name : S,125498-001,27530
FileName : C:\GC15\CHB\135B075.raw
Method : DUALA
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 19.80 min
Plot Offset: 32 mV

Sample #: 500:2.5
Date : 5/16/96 05:48 AM
Time of Injection: 5/16/96 05:26 AM
Low Point : 32.00 mV
Plot Scale: 78.0 mV
High Point : 110.00 mV

Page 1 of 1

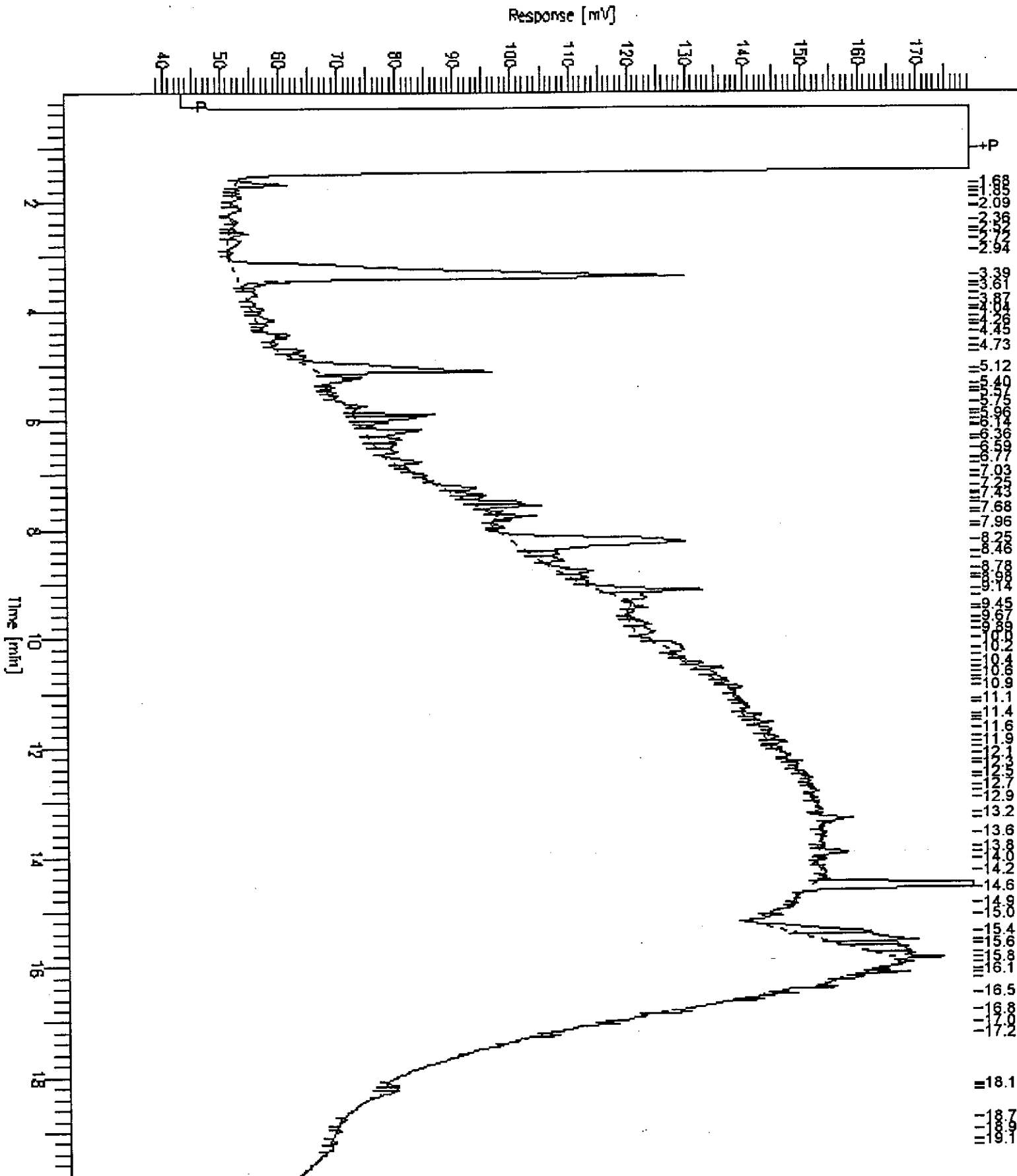


GC15 Channel A TEH

Sample Name : S,125498-002,27530
 FileName : C:\GC15\CHB\135B078.RAW
 Method : BTEHJ.MTH
 Start Time : 0.01 min
 Scale Factor: 0.0

End Time : 19.80 min
 Plot Offset: 39 mV

Sample #: 500:2.5
 Date : 5/16/96 10:50 AM
 Time of Injection: 5/16/96 06:50 AM
 Low Point : 38.84 mV
 High Point : 179.36 mV
 Plot Scale: 140.5 mV

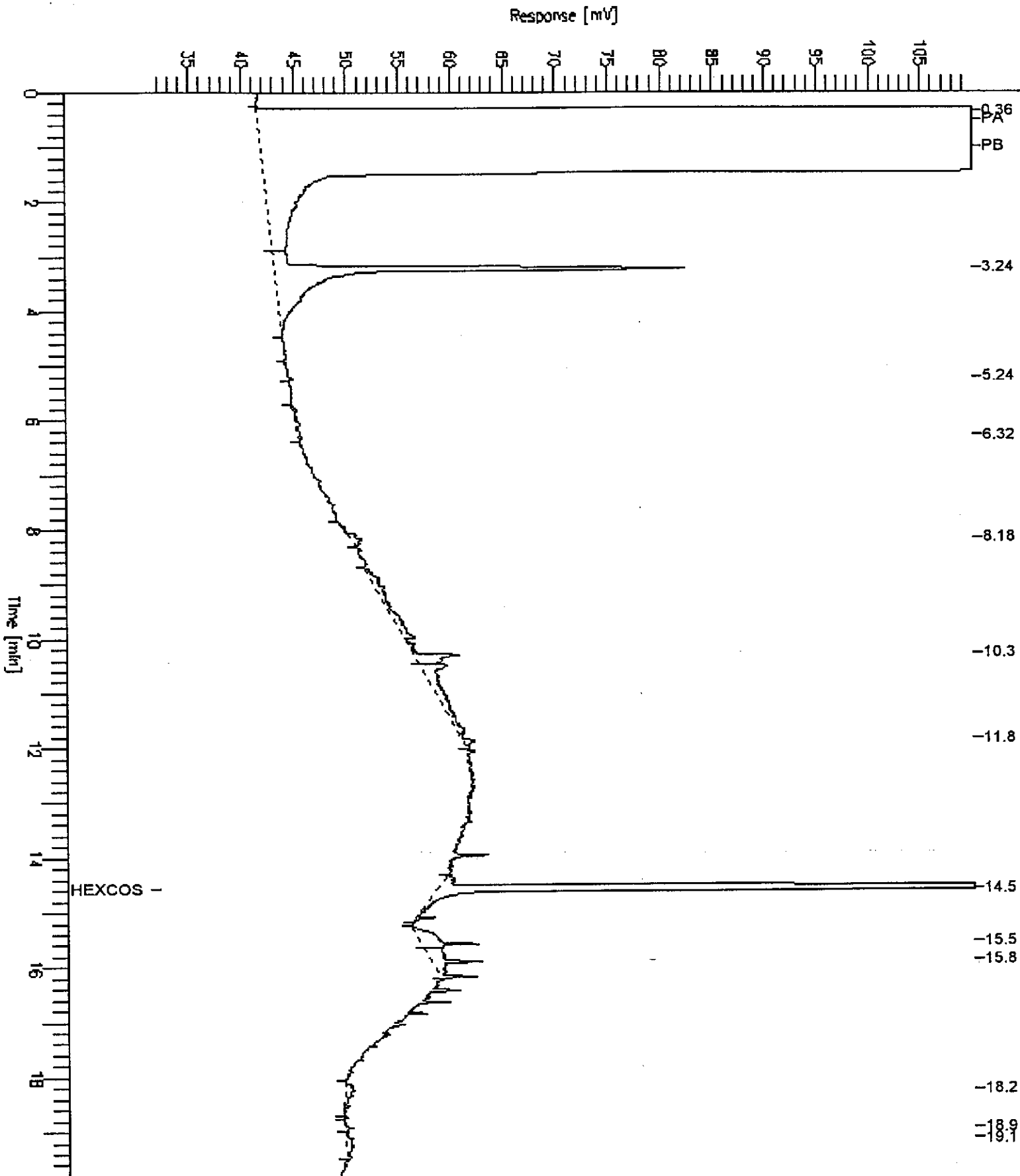


GC15 Channel B Surrogate

Sample Name : S_125498-003,27530
FileName : C:\GC15\CHB\135B074.raw
Method : DUALA
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 19.80 min
Plot Offset: 32 mV

Sample #: 500:2.5
Date : 5/16/96 05:19 AM
Time of Injection: 5/16/96 04:58 AM
Low Point : 32.00 mV
High Point : 110.00 mV
Plot Scale: 78.0 mV

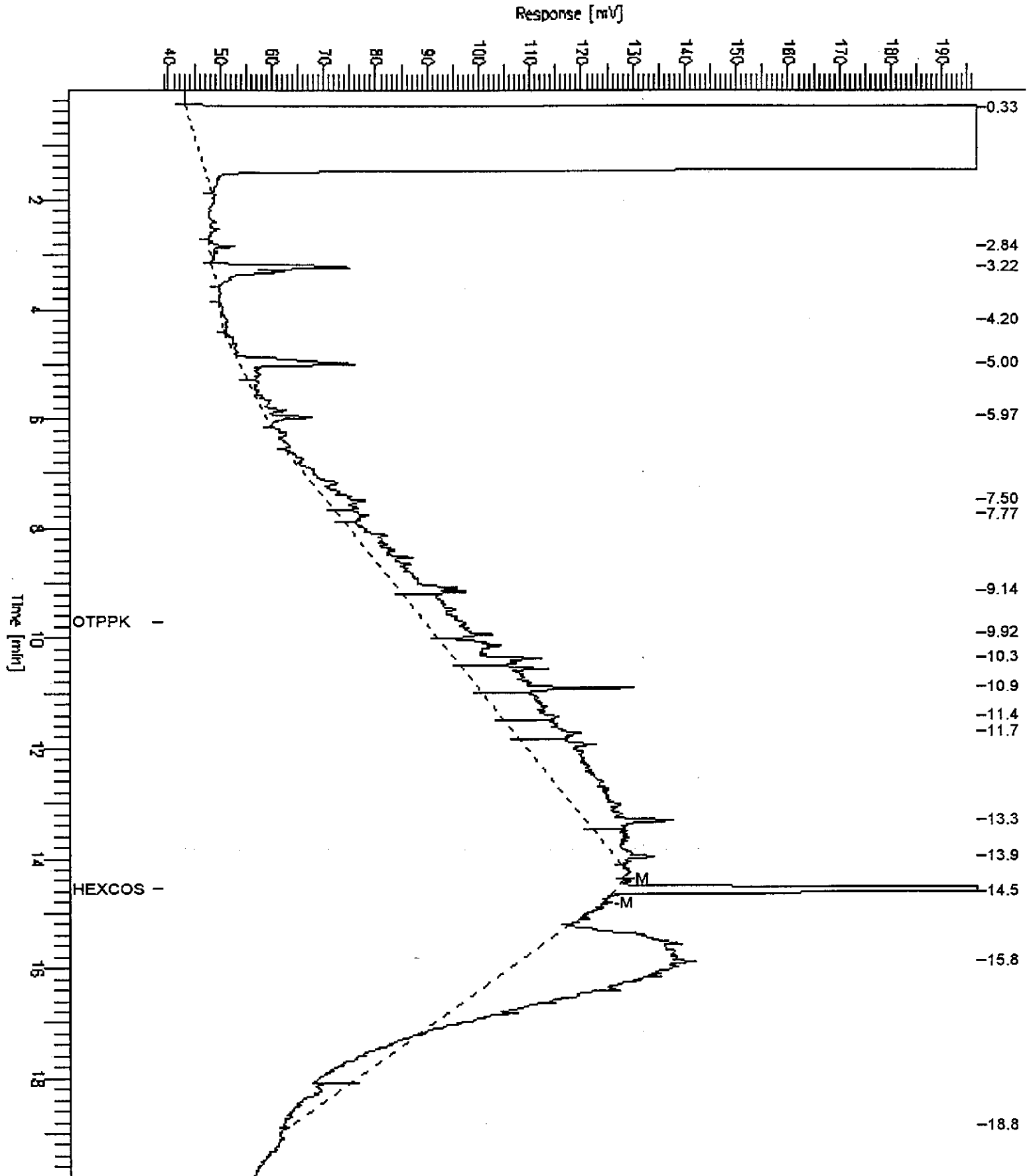


GC15 Channel B Surrogate

Sample Name : S,125498-004,27530
FileName : C:\GC15\CHB\135B077.RAW
Method : BSURR.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.80 min
Plot Offset: 38 mV

Sample #: 500:2.5
Date : 5/16/96 12:26 PM
Time of Injection: 5/16/96 06:22 AM
Low Point : 38.46 mV
Plot Scale: 158.4 mV
Page 1 of 1
High Point : 196.91 mV





TVH-Total Volatile Hydrocarbons

Client: Subsurface Consultants
Project#: 820.001
Location: 6707 Bay St.

Analysis Method: CA LUFT (EPA 8015M)
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
125498-001	MW-1	27581	05/09/96	05/14/96	05/14/96	
125498-002	MW-8	27581	05/09/96	05/14/96	05/14/96	
125498-003	MW-9	27581	05/09/96	05/14/96	05/14/96	
125498-004	MW-10	27581	05/09/96	05/14/96	05/14/96	

Analyte	Units	125498-001	125498-002	125498-003	125498-004
Diln Fac:		1	1	1	1
Gasoline	ug/L	50 Z	3600 Z	240 Z	300 YZ
Surrogate					
Trifluorotoluene	%REC	95	271 *	188 *	100
Bromobenzene	%REC	81	91	83	86

* Values outside of QC limits

Y: Sample exhibits fuel pattern which does not resemble standard

Z: Sample exhibits unknown single peak or peaks



Lab #: 125498

BATCH QC REPORT

TVH-Total Volatile Hydrocarbons	
Client: Subsurface Consultants	Analysis Method: CA LUFT (EPA 8015M)
Project#: 820.001	Prep Method: EPA 5030
Location: 6707 Bay St.	
METHOD BLANK	
Matrix: Water	Prep Date: 05/14/96
Batch#: 27581	Analysis Date: 05/14/96
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC21661

Analyte	Result	
Gasoline	<50	
Surrogate	%Rec	Recovery Limits
Trifluorotoluene	94	65-135
Bromobenzene	79	65-135



Lab #: 125498

BATCH QC REPORT

TVH-Total Volatile Hydrocarbons	
Client: Subsurface Consultants	Analysis Method: CA LUFT (EPA 8015M)
Project#: 820.001	Prep Method: EPA 5030
Location: 6707 Bay St.	
LABORATORY CONTROL SAMPLE	
Matrix: Water	Prep Date: 05/14/96
Batch#: 27581	Analysis Date: 05/14/96
Units: ug/L	
Diln Fac: 1	

LCS Lab ID: QC21662

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline	18750	2000	93	75-125
Surrogate	%Rec	Limits		
Trifluorotoluene	100	65-135		
Bromobenzene	94	65-135		

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits

FileName : G:\GC05\135H011.raw

Date : 5/14/96 6:28 PM

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Start Time : 0.00 min

End Time : 23.42 min

Low Point : 4.26 mV

High Point : 179.26 mV

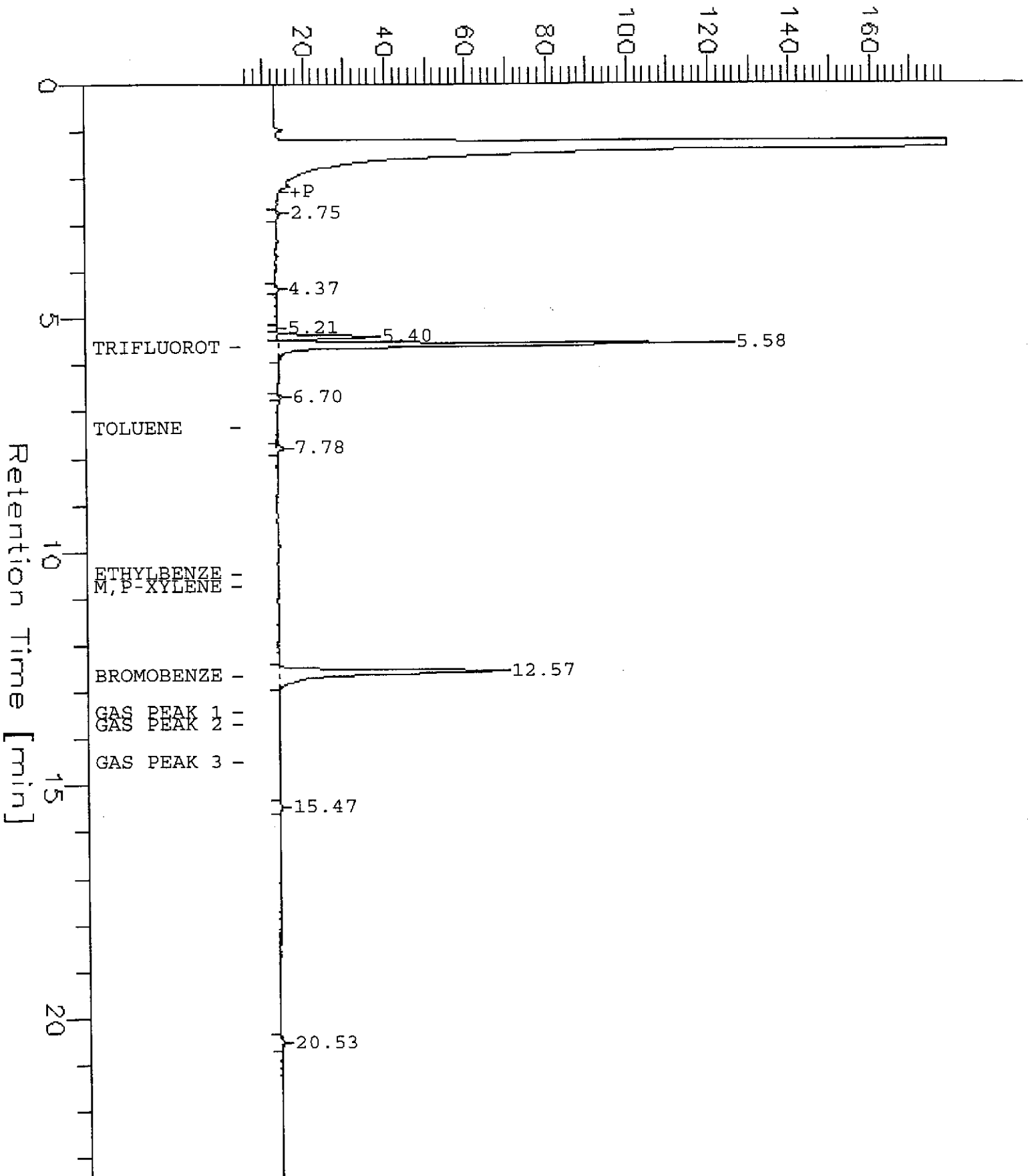
Scale Factor: -1

Plot Offset: 4 mV

Plot Scale: 175 mV

125498-1

Response [mV]



FileName : G:\GC05\135H012.raw
Start Time : 0.00 min
Scale Factor: -1

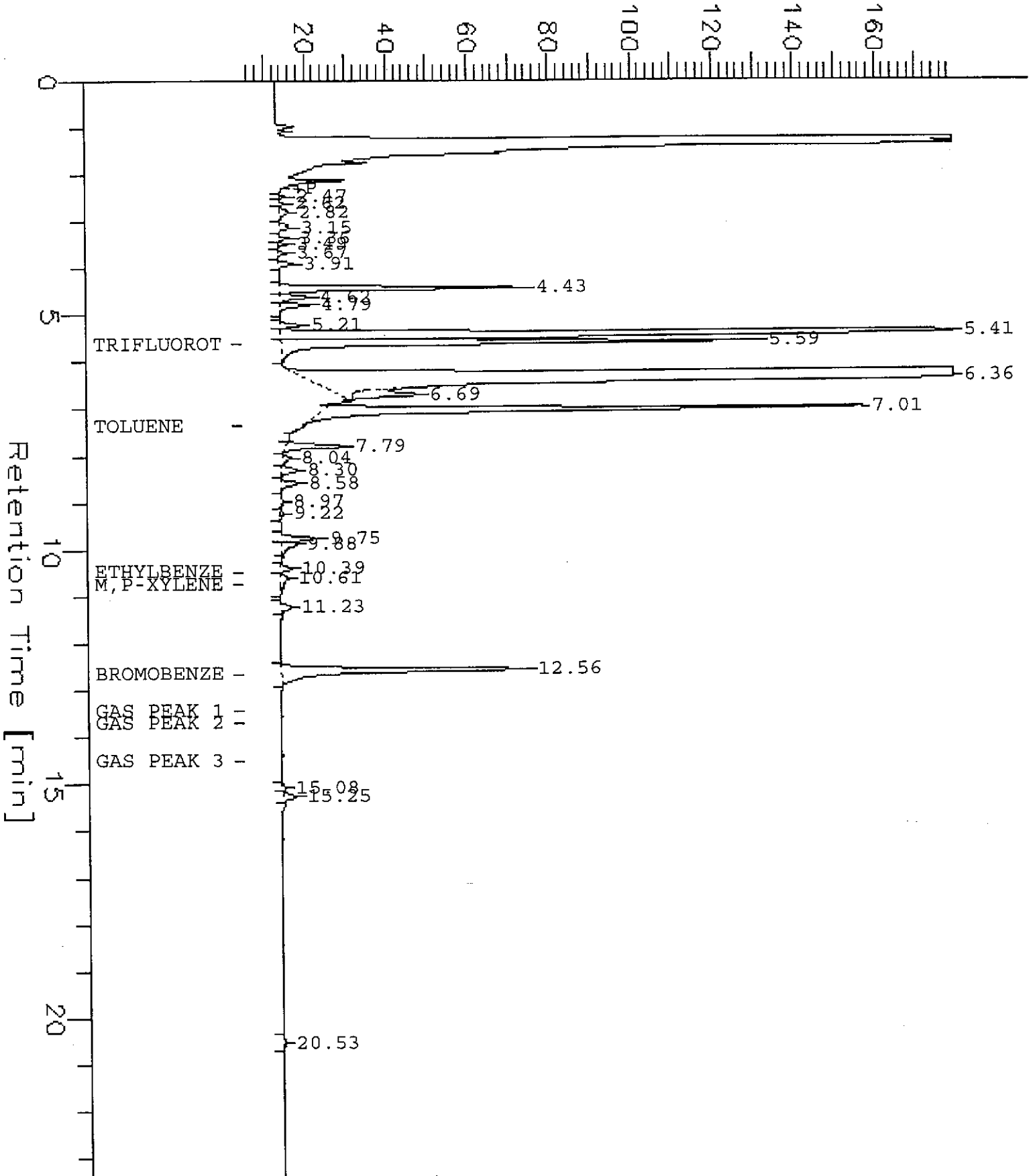
End Time : 23.42 min
Plot Offset: 4 mV

Date : 5/14/96 7:18 PM
Low Point : 4.29 mV
Plot Scale: 175 mV

Page 1 of 1
High Point : 179.29 mV

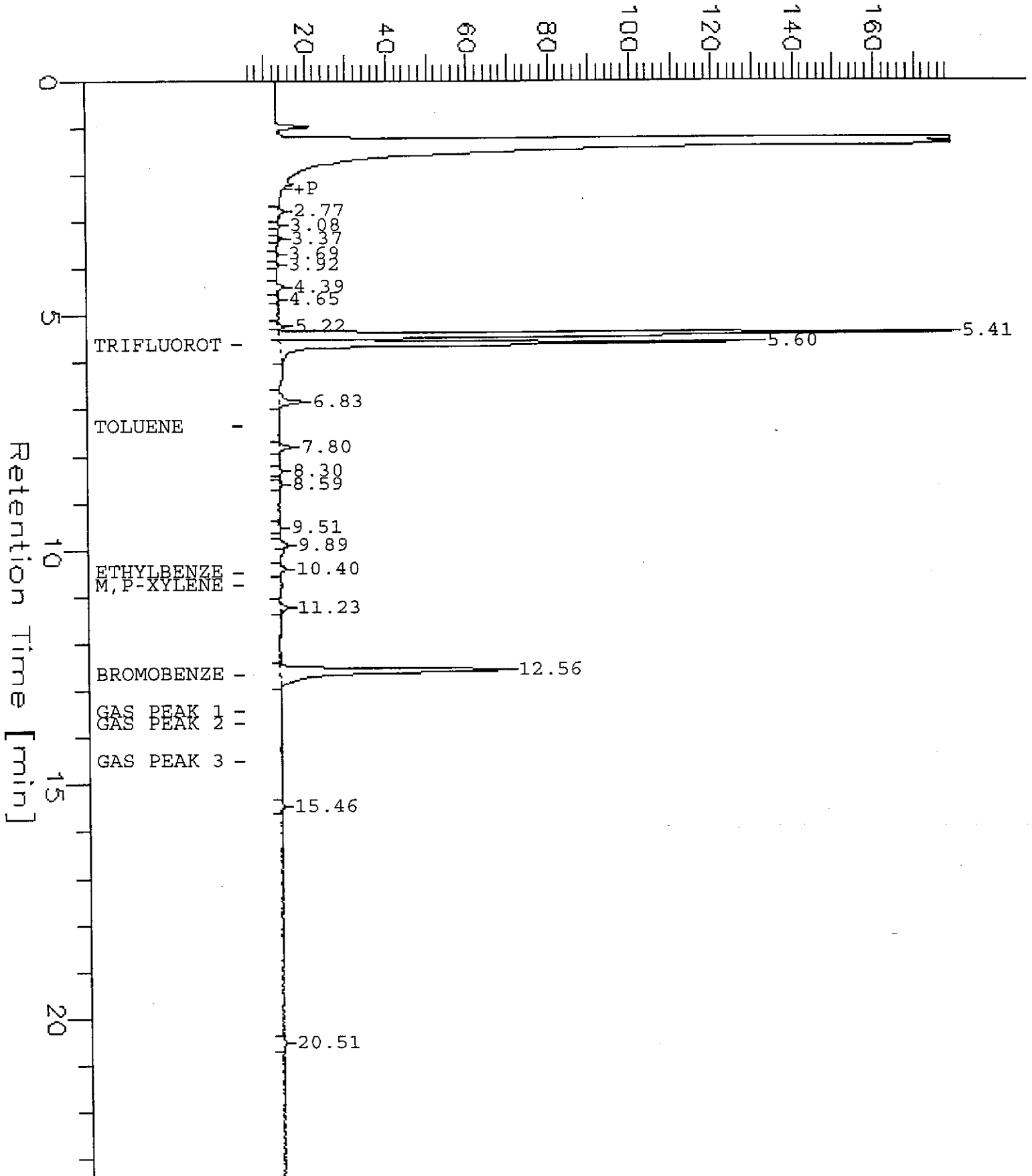
125498-2

Response [mV]



125498-3

Response [mV]



FileName : G:\GC05\135H013.raw

Date : 5/14/96 7:56 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 23.42 min

Low Point : 4.34 mV

High Point : 179.34 mV

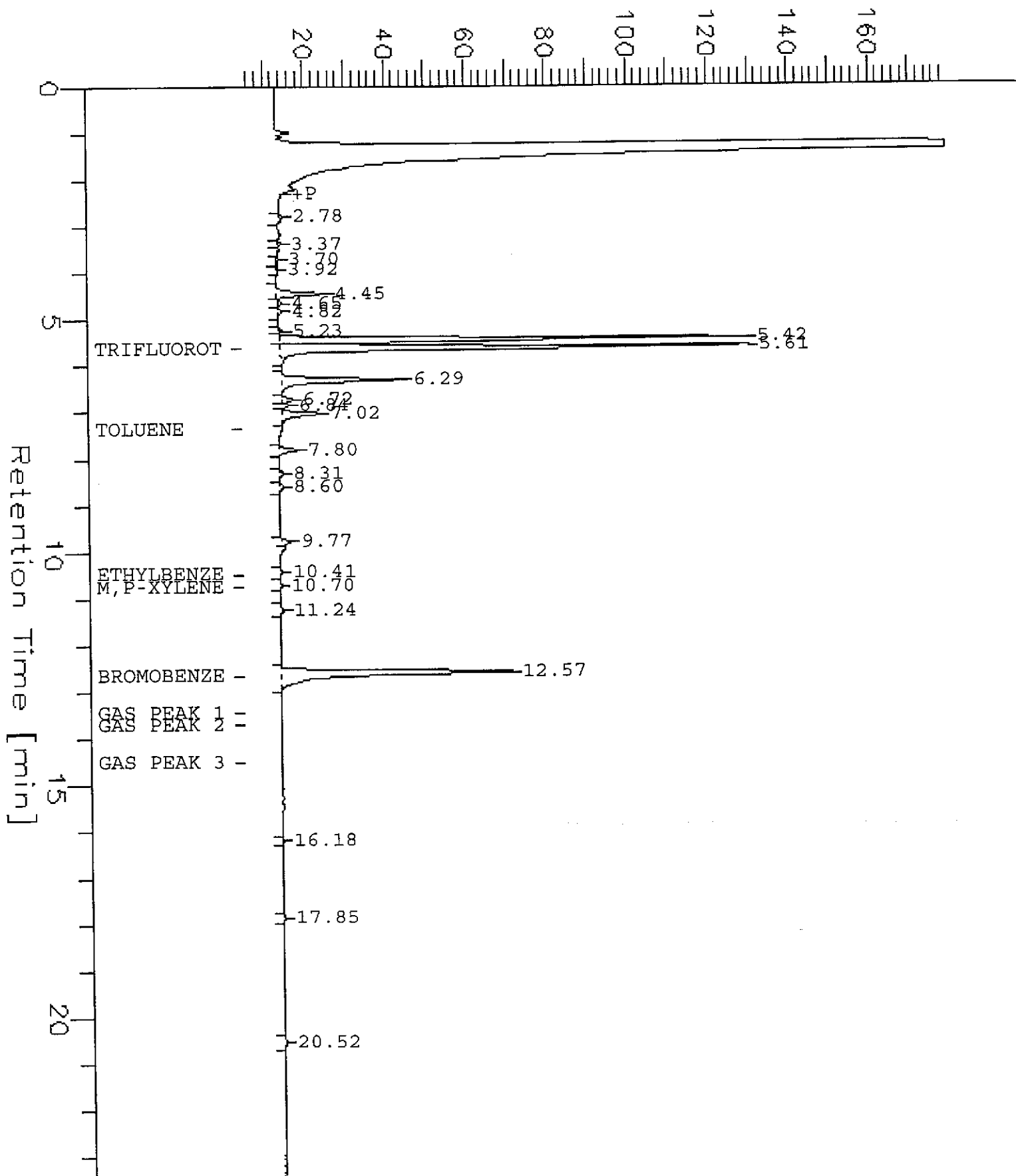
Scale Factor: -1

Plot Offset: 4 mV

Plot Scale: 175 mV

125498-4

Response [mV]





Volatile Organics by GC/MS		
Client: Subsurface Consultants	Analysis Method: EPA 8240	
Project#: 820.001	Prep Method: EPA 5030	
Location: 6707 Bay St.		
Field ID: MW-1	Sampled: 05/09/96	
Lab ID: 125498-001	Received: 05/09/96	
Matrix: Water	Extracted: 05/10/96	
Batch#: 27475	Analyzed: 05/10/96	
Units: ug/L		
Diln Fac: 1		
Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	20
Acetone	ND	20
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Vinyl Acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-Pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	100	68-126
Toluene-d8	101	87-125
Bromofluorobenzene	88	79-122



Volatile Organics by GC/MS		
Client: Subsurface Consultants	Analysis Method: EPA 8240	
Project#: 820.001	Prep Method: EPA 5030	
Location: 6707 Bay St.		
Field ID: MW-8	Sampled: 05/09/96	
Lab ID: 125498-002	Received: 05/09/96	
Matrix: Water	Extracted: 05/10/96	
Batch#: 27475	Analyzed: 05/10/96	
Units: ug/L		
Diln Fac: 50		
Analyte	Result	Reporting Limit
Chloromethane	ND	500
Bromomethane	ND	500
Vinyl Chloride	ND	500
Chloroethane	ND	500
Methylene Chloride	ND	1000
Acetone	ND	1000
Carbon Disulfide	ND	250
Trichlorofluoromethane	ND	250
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	250
trans-1,2-Dichloroethene	ND	250
cis-1,2-Dichloroethene	ND	250
Chloroform	ND	250
Freon 113	ND	250
1,2-Dichloroethane	ND	250
2-Butanone	ND	500
1,1,1-Trichloroethane	ND	250
Carbon Tetrachloride	ND	250
Vinyl Acetate	ND	2500
Bromodichloromethane	ND	250
1,2-Dichloropropane	ND	250
cis-1,3-Dichloropropene	ND	250
Trichloroethene	ND	250
Dibromochloromethane	ND	250
1,1,2-Trichloroethane	ND	250
Benzene	ND	250
trans-1,3-Dichloropropene	ND	250
Bromoform	ND	250
2-Hexanone	ND	500
4-Methyl-2-Pentanone	15000	10000
1,1,2,2-Tetrachloroethane	ND	250
Tetrachloroethene	ND	250
Toluene	ND	250
Chlorobenzene	ND	250
Ethylbenzene	ND	250
Styrene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	97	68-126
Toluene-d8	106	87-125
Bromofluorobenzene	86	79-122



Volatile Organics by GC/MS		
Client: Subsurface Consultants	Analysis Method: EPA 8240	
Project#: 820.001	Prep Method: EPA 5030	
Location: 6707 Bay St.		
Field ID: MW-9	Sampled: 05/09/96	
Lab ID: 125498-003	Received: 05/09/96	
Matrix: Water	Extracted: 05/13/96	
Batch#: 27565	Analyzed: 05/13/96	
Units: ug/L		
Diln Fac: 1		
Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	20
Acetone	ND	20
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Vinyl Acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-Pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	111	68-126
Toluene-d8	101	87-125
Bromofluorobenzene	110	79-122



Volatile Organics by GC/MS		
Client: Subsurface Consultants	Analysis Method: EPA 8240	
Project#: 820.001	Prep Method: EPA 5030	
Location: 6707 Bay St.		
Field ID: MW-10	Sampled:	05/09/96
Lab ID: 125498-004	Received:	05/09/96
Matrix: Water	Extracted:	05/10/96
Batch#: 27475	Analyzed:	05/10/96
Units: ug/L		
Diln Fac: 1		
Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	20
Acetone	ND	20
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Vinyl Acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	7.5	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-Pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	3.5 J	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	94	68-126
Toluene-d8	100	87-125
Bromofluorobenzene	91	79-122

J: Estimated Value



Lab #: 125498

BATCH QC REPORT

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EPA 8240 Volatile Organics

Client: Subsurface Consultants
 Project#: 820.001
 Location: 6707 Bay St.

Analysis Method: EPA 8240
 Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
 Batch#: 27475
 Units: ug/L
 Diln Fac: 1

Prep Date: 05/09/96
 Analysis Date: 05/09/96

MB Lab ID: QC21233

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	20
Acetone	ND	20
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Vinyl Acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-Pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Surrogate	%Rec	Recovery Limits
1,2-Dichloroethane-d4	96	68-126
Toluene-d8	99	87-125
Bromofluorobenzene	94	79-122



Lab #: 125498

BATCH QC REPORT

Page 1 of 1

EPA 8240 Volatile Organics

Client: Subsurface Consultants
 Project#: 820.001
 Location: 6707 Bay St.

Analysis Method: EPA 8240
 Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
 Batch#: 27475
 Units: ug/L
 Diln Fac: 1

Prep Date: 05/09/96
 Analysis Date: 05/09/96

MB Lab ID: QC21295

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	20
Acetone	ND	20
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Vinyl Acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-Pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Surrogate	%Rec	Recovery Limits
1,2-Dichloroethane-d4	99	68-126
Toluene-d8	102	87-125
Bromofluorobenzene	90	79-122



Lab #: 125498

BATCH QC REPORT

EPA 8240 Volatile Organics		
Client: Subsurface Consultants	Analysis Method: EPA 8240	
Project#: 820.001	Prep Method: EPA 5030	
Location: 6707 Bay St.		
METHOD BLANK		
Matrix: Water	Prep Date: 05/10/96	
Batch#: 27515	Analysis Date: 05/10/96	
Units: ug/L		
Diln Fac: 1		

MB Lab ID: QC21389

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	20
Acetone	ND	20
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Vinyl Acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-Pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Surrogate	%Rec	Recovery Limits
1,2-Dichloroethane-d4	97	68-126
Toluene-d8	105	87-125
Bromofluorobenzene	82	79-122



Lab #: 125498

BATCH QC REPORT

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EPA 8240 Volatile Organics		
Client: Subsurface Consultants	Analysis Method: EPA 8240	
Project#: 820.001	Prep Method: EPA 5030	
Location: 6707 Bay St.		
METHOD BLANK		
Matrix: Water	Prep Date: 05/13/96	
Batch#: 27565	Analysis Date: 05/13/96	
Units: ug/L		
Diln Fac: 1		

MB Lab ID: QC21600

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	20
Acetone	ND	20
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Vinyl Acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-Pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Surrogate	%Rec	Recovery Limits
1,2-Dichloroethane-d4	107	68-126
Toluene-d8	99	87-125
Bromofluorobenzene	104	79-122



Lab #: 125498

BATCH QC REPORT

EPA 8240 Volatile Organics

Client: Subsurface Consultants
Project#: 820.001
Location: 6707 Bay St.

Analysis Method: EPA 8240
Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 27475
Units: ug/L
Diln Fac: 1

Prep Date: 05/09/96
Analysis Date: 05/09/96

LCS Lab ID: QC21232

Analyte	Result	Spike Added	%Rec #	Limits
1,1-Dichloroethene	13.53	10	135	51-180
Trichloroethene	10.51	10	105	73-141
Benzene	10.21	10	102	78-142
Toluene	10.46	10	105	76-150
Chlorobenzene	9.767	10	98	83-129
Surrogate	%Rec	Limits		
1,2-Dichloroethane-d4	93	68-126		
Toluene-d8	101	87-125		
Bromofluorobenzene	88	79-122		

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits



Lab #: 125498

BATCH QC REPORT

Page 1 of 1

EPA 8240 Volatile Organics

Client: Subsurface Consultants
Project#: 820.001
Location: 6707 Bay St.

Analysis Method: EPA 8240
Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 27515
Units: ug/L
Diln Fac: 1

Prep Date: 05/10/96
Analysis Date: 05/10/96

LCS Lab ID: QC21388

Analyte	Result	Spike Added	%Rec #	Limits
1,1-Dichloroethene	13.84	10	138	51-180
Trichloroethene	10.56	10	106	73-141
Benzene	10.74	10	107	78-142
Toluene	11.21	10	112	76-150
Chlorobenzene	10.27	10	103	83-129
Surrogate	%Rec	Limits		
1,2-Dichloroethane-d4	96	68-126		
Toluene-d8	103	87-125		
Bromofluorobenzene	84	79-122		

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

Lab #: 125498

BATCH QC REPORT

Page 1 of 1

EPA 8240 Volatile Organics			
Client: Subsurface Consultants	Analysis Method: EPA 8240		
Project#: 820.001	Prep Method: EPA 5030		
Location: 6707 Bay St.			
LABORATORY CONTROL SAMPLE			
Matrix: Water	Prep Date:	05/13/96	
Batch#: 27565	Analysis Date:	05/13/96	
Units: ug/L			
Diln Fac: 1			

LCS Lab ID: QC21599

Analyte	Result	Spike Added	%Rec #	Limits
1,1-Dichloroethene	77.6	50	155	51-180
Trichloroethene	51.24	50	102	73-141
Benzene	51.28	50	103	78-142
Toluene	47.52	50	95	76-150
Chlorobenzene	48.22	50	96	83-129
Surrogate	%Rec	Limits		
1,2-Dichloroethane-d4	105	68-126		
Toluene-d8	99	87-125		
Bromofluorobenzene	101	79-122		

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

Lab #: 125498

BATCH QC REPORT

Page 1 of 1

EPA 8240 Volatile Organics	
Client: Subsurface Consultants	Analysis Method: EPA 8240
Project#: 820.001	Prep Method: EPA 5030
Location: 6707 Bay St.	
MATRIX SPIKE/MATRIX SPIKE DUPLICATE	
Field ID: ZZZZZZ	Sample Date: 05/01/96
Lab ID: 125479-002	Received Date: 05/08/96
Matrix: Water	Prep Date: 05/09/96
Batch#: 27475	Analysis Date: 05/09/96
Units: ug/L	
Diln Fac: 1	

MS Lab ID: QC21234

Analyte	Spike Added	Sample	MS	%Rec #	Limits
1,1-Dichloroethene	10	<0.5000	13.12	131	51-180
Trichloroethene	10	<0.5000	10.51	105	73-141
Benzene	10	<1.000	10.44	104	78-142
Toluene	10	<1.000	10.51	105	76-150
Chlorobenzene	10	<0.5000	9.981	100	83-129
Surrogate	%Rec	Limits			
1,2-Dichloroethane-d4	100	68-126			
Toluene-d8	100	87-125			
Bromofluorobenzene	93	79-122			

MSD Lab ID: QC21235

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	10	13.29	133	51-180	2	<14
Trichloroethene	10	10.51	105	73-141	0	<14
Benzene	10	10.49	105	78-142	1	<11
Toluene	10	10.81	108	76-150	3	<13
Chlorobenzene	10	10.09	101	83-129	1	<13
Surrogate	%Rec	Limits				
1,2-Dichloroethane-d4	100	68-126				
Toluene-d8	101	87-125				
Bromofluorobenzene	92	79-122				

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

Lab #: 125498

BATCH QC REPORT

Page 1 of 1

EPA 8240 Volatile Organics	
Client: Subsurface Consultants	Analysis Method: EPA 8240
Project#: 820.001	Prep Method: EPA 5030
Location: 6707 Bay St.	
MATRIX SPIKE/MATRIX SPIKE DUPLICATE	
Field ID: MW-9	Sample Date: 05/09/96
Lab ID: 125498-003	Received Date: 05/09/96
Matrix: Water	Prep Date: 05/13/96
Batch#: 27565	Analysis Date: 05/13/96
Units: ug/L	
Diln Fac: 1	

MS Lab ID: QC21602

Analyte	Spike Added	Sample	MS	%Rec #	Limits
1,1-Dichloroethene	50	<5.000	72.39	145	51-180
Trichloroethene	50	<5.000	47.99	96	73-141
Benzene	50	<5.000	49.24	99	78-142
Toluene	50	<5.000	46.42	91	76-150
Chlorobenzene	50	<5.000	43.16	85	83-129
Surrogate	%Rec	Limits			
1,2-Dichloroethane-d4	109	68-126			
Toluene-d8	98	87-125			
Bromofluorobenzene	98	79-122			

MSD Lab ID: QC21603

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	71.84	144	51-180	1	<14
Trichloroethene	50	47.61	95	73-141	1	<14
Benzene	50	48.02	96	78-142	3	<11
Toluene	50	44.96	88	76-150	3	<13
Chlorobenzene	50	43.55	86	83-129	1	<13
Surrogate	%Rec	Limits				
1,2-Dichloroethane-d4	105	68-126				
Toluene-d8	96	87-125				
Bromofluorobenzene	98	79-122				

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits



PES ENVIRONMENTAL, INC.
TEL: (415) 899-1600

FAX: (415) 899-1601

TO: Sam

COMPANY: Subsurface Consultants

FAX NO: (510) 268-0137

PHONE NO: (510) 268-0461

FROM: Jenny Han

JOB NO: 131.0100.003

RE: Emergy Bay Plaza

DATE: 6/7 TIME: 11:30 SENT BY: JFH

NUMBER OF PAGES 1 HARD COPY TO FOLLOW: YES NO
(INCLUDING COVER SHEET)

NOTES: Depth-to-water measurements @ 165D 16th Street:

EW-1	10.60	MW-5	6.00
MW-2	10.78	MW-6	7.64
MW-3	7.72	MW-7	6.11
MW-4	7.64	MW-8	10.50
<u>5/9/96</u> <u>6/9/96</u>			

**IF THIS TRANSMITTAL HAS BEEN RECEIVED IN ERROR
PLEASE CONTACT
PES ENVIRONMENTAL AT YOUR EARLIEST CONVENIENCE (415) 899-1600**

Baywood Center • 1682 Novato Boulevard • Suite 100 • Novato, California 94947

WELL SAMPLING FORM

Project Name: 6707 Bay St. Well Number: MW-1
 Job No.: 820.001 Well Casing Diameter: 4 inch
 Sampled By: DWA Date: 5/9/96
 TOC Elevation: _____ Weather: Sunny

Depth to Casing Bottom (below TOC) 29.50 feet
 Depth to Groundwater (below TOC) 9.59 feet
 Feet of Water in Well 19.91 feet
 Depth to Groundwater When 80% Recovered 13.57 feet
 Casing Volume (feet of water x Casing DIA² x 0.0408) 13.0 gallons
 Depth Measurement Method Tape & Paste / Electronic Sounder / Other
 Free Product none
 Purge Method disposable bailer

moderate recharge

FIELD MEASUREMENTS

Gallons Removed	pH	Temp (°F)	Conductivity (micromhos/cm)	Salinity S%	Comments
<u>10</u>	<u>7.98</u>	<u>61.4</u>	<u>874</u>	_____	<u>clear/faint odor</u>
<u>20</u>	<u>7.51</u>	<u>61.3</u>	<u>801</u>	_____	↓
<u>30</u>	<u>7.51</u>	<u>61.5</u>	<u>848</u>	_____	↓
<u>40</u>	<u>7.31</u>	<u>61.3</u>	<u>892</u>	_____	↓
_____	_____	_____	_____	_____	_____

Total Gallons Purged 40 gallons
 Depth to Groundwater Before Sampling (below TOC) 10.28' feet
 Sampling Method disposable bailer
 Containers Used 4 40 ml 1 liter _____ pint

Subsurface Consultants

JOB NUMBER

DATE

APPROVED

PLATE

WELL SAMPLING FORM

Project Name: 6707 Bay St. Well Number: MW-8
 Job No.: 820.001 Well Casing Diameter: 4 inch
 Sampled By: DWA Date: 5/9/96
 TOC Elevation: _____ Weather: Sunny

Depth to Casing Bottom (below TOC) 22.00 feet
 Depth to Groundwater (below TOC) 9.71 feet
 Feet of Water in Well 12.29 feet
 Depth to Groundwater When 80% Recovered 12.17 feet
 Casing Volume (feet of water x Casing DIA² x 0.0408) 8.0 gallons
 Depth Measurement Method Tape & Paste / Electronic Sounder / Other

Free Product _____
 Purge Method disposable bailer

moderate recharge

FIELD MEASUREMENTS

Gallons Removed	pH	F Temp (°F)	Conductivity (micromhos/cm)	Salinity S%	Comments ^{lime green} clear w/ ^{green} tint strong odor
<u>5</u>	<u>8.02</u>	<u>68.9</u>	<u>1410</u>	_____	<u>clear w/ ^{lime green} tint</u>
<u>10</u>	<u>7.82</u>	<u>67.7</u>	<u>1250</u>	_____	_____
<u>15</u>	<u>7.72</u>	<u>66.7</u>	<u>1200</u>	_____	<u>DK. Green tint</u>
<u>20</u>	<u>7.83</u>	<u>66.4</u>	<u>1210</u>	_____	<u>w/ multide particulates</u>
<u>25</u>	<u>7.93</u>	<u>67.3</u>	<u>1190</u>	_____	<u>Particulates increasing</u>

Total Gallons Purged 25 gallons

Depth to Groundwater Before Sampling (below TOC) 12.70' feet

Sampling Method disposable bailer

Containers Used 4 40 ml 1 liter _____ pint

Subsurface Consultants

JOB NUMBER

DATE

APPROVED

PLATE

WELL SAMPLING FORM

Project Name: 6707 Bay St. Well Number: MW-9
 Job No.: 820.001 Well Casing Diameter: 2 inch
 Sampled By: DWA Date: 5/9/96
 TOC Elevation: _____ Weather: Sunny

Depth to Casing Bottom (below TOC) 15.00 feet
 Depth to Groundwater (below TOC) 9.60 feet
 Feet of Water in Well 5.40 feet
 Depth to Groundwater When 80% Recovered 10.68 feet
 Casing Volume (feet of water x Casing DIA² x 0.0408) .9 gallons
 Depth Measurement Method Tape & Paste / **Electronic Sounder** / Other
 Free Product none
 Purge Method disposable bailer

FIELD MEASUREMENTS

fast recharge

Gallons Removed	pH	Temp (°F)	Conductivity (micromhos/cm)	Salinity S%	Comments
1	8.21	61.2	996		<i>clean/faint odor</i>
2	7.68	61.8	879		<i>increasing odor</i>
3	7.51	62.4	903		↓
4	7.47	62.7	840		

Total Gallons Purged 4 gallons
 Depth to Groundwater Before Sampling (below TOC) 10.30 feet
 Sampling Method disposable bailer
 Containers Used 4 40 ml 1 liter _____ pint

Subsurface Consultants

JOB NUMBER	DATE	APPROVED
		PLATE

WELL SAMPLING FORM

Project Name: 6707 Bay St. Well Number: MW-10
 Job No.: 820.001 Well Casing Diameter: 2 inch
 Sampled By: DWA Date: 5/9/96
 TOC Elevation: _____ Weather: Sunny

Depth to Casing Bottom (below TOC) 15.00 feet
 Depth to Groundwater (below TOC) 9.54 feet
 Feet of Water in Well 5.46 feet
 Depth to Groundwater When 80% Recovered 10.63 feet
 Casing Volume (feet of water x Casing DIA² x 0.0408) .9 gallons
 Depth Measurement Method Tape & Paste / Electronic Sounder / Other
 Free Product none
 Purge Method disposable bailer

FIELD MEASUREMENTS

fast recharge

Gallons Removed	pH	F Temp (°F)	Conductivity (micromhos/cm)	Salinity S%	Comments
<u>1</u>	<u>7.91</u>	<u>60.8</u>	<u>1040</u>	_____	<u>clear/slight odor</u>
<u>2</u>	<u>7.68</u>	<u>60.9</u>	<u>923</u>	_____	<u>semi-clear</u>
<u>3</u>	<u>7.72</u>	<u>60.2</u>	<u>875</u>	_____	↓
<u>4</u>	<u>7.76</u>	<u>60.6</u>	<u>870</u>	_____	_____

Total Gallons Purged 4 gallons
 Depth to Groundwater Before Sampling (below TOC) 10.10 feet
 Sampling Method disposable bailer
 Containers Used 4 40 ml 1 liter _____ pint

Subsurface Consultants

JOB NUMBER

DATE

APPROVED

PLATE

Table 10
Heavy Metal Concentrations in Groundwater

Reference No.	5	3
	MW1 (7/6/89) ¹ (mg/l) ²	Sump-Well (8/21/89) (mg/l)
Antimony	<0.04	<0.04
Arsenic	<0.088	<0.088
Barium	0.6	0.023
Beryllium	<0.001	<0.001
Cadmium	0.013	<0.012
Chromium	0.064	0.006
Cobalt	0.021	0.02
Copper	0.04	0.92
Lead	0.063	0.103
Mercury	<0.2	<0.2
Molybdenum	<0.04	<0.04
Nickel	0.1	<0.026
Selenium	0.2	<0.2
Silver	0.022	<0.004
Thallium	<0.088	<0.088
Vanadium	0.06	<0.004
Zinc	0.18	0.51

¹ Sample Date
² Milligrams per liter



Client: Subsurface Consultants

Laboratory Login Number: 115201

Project Name: 6707 Bay St.

Report Date: 28 April 94

Project Number: 820.001

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
115201-010	T2 @ 6	Soil	13-APR-94	15-APR-94	21-APR-94	160	mg/Kg	50	TR	13728
115201-011	T5 @ 5	Soil	14-APR-94	15-APR-94	21-APR-94	710	mg/Kg	50	TR	13728
115201-012	T5 @ 9	Soil	14-APR-94	15-APR-94	21-APR-94	ND	mg/Kg	50	TR	13728
115201-013	T7 @ 7.5	Soil	14-APR-94	15-APR-94	21-APR-94	68.	mg/Kg	50	TR	13728
115201-014	MW9 @ 15.5	Soil	13-APR-94	15-APR-94	21-APR-94	470	mg/Kg	50	TR	13728
115201-015	MW10 @ 15.5	Soil	14-APR-94	15-APR-94	21-APR-94	9400	mg/Kg	50	TR	13728

ND = Not Detected at or above Reporting Limit (RL).



Q C B a t c h R e p o r t

Client: Subsurface Consultants
Project Name: 6707 Bay St.
Project Number: 820.001

Laboratory Login Number: 115201
Report Date: 26 April 94

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 13728

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	21-APR-94

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	86%	SMWW 17:5520EF	21-APR-94
BSD	84%	SMWW 17:5520EF	21-APR-94

Average Spike Recovery
Relative Percent Difference

85%
3.1%

Control Limits
80% - 120%
< 20%



LABORATORY NUMBER: 115201-003
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
SAMPLE ID: T3 @ 8

DATE SAMPLED: 04/13/94
DATE RECEIVED: 04/15/94
DATE REPORTED: 04/26/94

PARAMETER	RESULT	UNITS	REPORTING LIMIT	METHOD
Releasable Cyanide	ND	mg/Kg	10	SW-846 Section 7.3.3.2
Releasable Sulfide	ND	mg/Kg	10	SW-846 Section 7.3.4.1
Ignitability	Does Not Ignite			SW-846 Section 7.1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY	Analysis Date	RPD, %	RECOVERY, %
Cyanide	04/20/94	<1	96
Sulfide	04/19/94	4	73
Ignitability	04/19/94	--	--



Client: Subsurface Consultants

Laboratory Login Number: 115201

Project Name: 6707 Bay St.

Report Date: 28 April 94

Project Number: 820.001

ANALYSIS: pH

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	Method	Analyst	QC Batch
115201-003	T3 @ B	Soil	13-APR-94	15-APR-94	22-APR-94	7.7	SU *	EPA 9045	TR	13841

* Soil pH measured as water

Q C B a t c h R e p o r t

 Client: Subsurface Consultants
 Project Name: 6707 Bay St.
 Project Number: 820.001

 Laboratory Login Number: 115201
 Report Date: 26 April 94

ANALYSIS: pH

QC Batch Number: 13841

Calibration Verification Results

Sample	Result	TV	Difference	Limit	Analyzed
ICV	7.01	7.00	.01	< 0.10	22-APR-94
CCV	7.01	7.00	.01	< 0.10	22-APR-94

Sample Duplicate Results

Sample	Duplicate	RPD	Analyzed
7.73	7.69	.5%	22-APR-94



SAMPLE ID: T2 @ 6
LAB ID: 115201-010
CLIENT: Subsurface Consultants
PROJECT ID: 820.001
LOCATION: 6707 Bay St.
MATRIX: Soil

DATE SAMPLED: 04/13/94
DATE RECEIVED: 04/15/94
DATE REPORTED: 04/26/94

CALIFORNIA TITLE 26 METALS

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	Batch Number	Method	Analysis Date
Antimony	5.1	3.0	13807	EPA 6010	04/22/94
Arsenic	9.3	2.5	13791	EPA 7060	04/22/94
Barium	170	0.50	13807	EPA 6010	04/22/94
Beryllium	0.23	0.10	13807	EPA 6010	04/22/94
Cadmium	1.0	0.25	13807	EPA 6010	04/22/94
Chromium (total)	25	0.50	13807	EPA 6010	04/22/94
Cobalt	8.7	1.0	13807	EPA 6010	04/22/94
Copper	2100	0.50	13807	EPA 6010	04/22/94
Lead	330	15	13807	EPA 6010	04/22/94
Mercury	ND	0.087	13774	EPA 7471	04/20/94
Molybdenum	1.5	1.0	13807	EPA 6010	04/22/94
Nickel	55	1.0	13807	EPA 6010	04/22/94
Selenium	ND	2.5	13791	EPA 7740	04/22/94
Silver	0.50	0.50	13807	EPA 6010	04/22/94
Thallium	ND	2.5	13791	EPA 7841	04/22/94
Vanadium	26	0.50	13807	EPA 6010	04/22/94
Zinc	580	1.0	13807	EPA 6010	04/22/94

ND = Not detected at or above reporting limit

SAMPLE ID: T5 @ 5
 LAB ID: 115201-011
 CLIENT: Subsurface Consultants
 PROJECT ID: 820.001
 LOCATION: 6707 Bay St.
 MATRIX: Soil

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE REPORTED: 04/26/94

CALIFORNIA TITLE 26 METALS

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	Batch Number	Method	Analysis Date
Antimony	ND	2.9	13807	EPA 6010	04/22/94
Arsenic	6.0	2.5	13791	EPA 7060	04/22/94
Barium	130	0.49	13807	EPA 6010	04/22/94
Beryllium	0.31	0.098	13807	EPA 6010	04/22/94
Cadmium	0.27	0.25	13807	EPA 6010	04/22/94
Chromium (total)	25	0.49	13807	EPA 6010	04/22/94
Cobalt	9.2	0.98	13807	EPA 6010	04/22/94
Copper	60	0.49	13807	EPA 6010	04/22/94
Lead	61	15	13807	EPA 6010	04/22/94
Mercury	0.21	0.10	13774	EPA 7471	04/20/94
Molybdenum	ND	0.98	13807	EPA 6010	04/22/94
Nickel	28	0.98	13807	EPA 6010	04/22/94
Selenium	ND	2.5	13791	EPA 7740	04/22/94
Silver	ND	0.49	13807	EPA 6010	04/22/94
Thallium	ND	2.5	13791	EPA 7841	04/22/94
Vanadium	26	0.49	13807	EPA 6010	04/22/94
Zinc	88	0.98	13807	EPA 6010	04/22/94

ND = Not detected at or above reporting limit



SAMPLE ID: T5 @ 9
 LAB ID: 115201-012
 CLIENT: Subsurface Consultants
 PROJECT ID: 820.001
 LOCATION: 6707 Bay St.
 MATRIX: Soil

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE REPORTED: 04/26/94

CALIFORNIA TITLE 26 METALS

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	Batch Number	Method	Analysis Date
Antimony	ND	3.0	13807	EPA 6010	04/22/94
Arsenic	ND	2.5	13791	EPA 7060	04/22/94
Barium	41	0.50	13807	EPA 6010	04/22/94
Beryllium	ND	0.10	13807	EPA 6010	04/22/94
Cadmium	ND	0.25	13807	EPA 6010	04/22/94
Chromium (total)	23	0.50	13807	EPA 6010	04/22/94
Cobalt	4.2	1.0	13807	EPA 6010	04/22/94
Copper	14	0.50	13807	EPA 6010	04/22/94
Lead	1.5	1.5	13791	EPA 7421	04/22/94
Mercury	ND	0.087	13774	EPA 7471	04/20/94
Molybdenum	ND	1.0	13807	EPA 6010	04/22/94
Nickel	19	1.0	13807	EPA 6010	04/22/94
Selenium	ND	2.5	13791	EPA 7740	04/22/94
Silver	ND	0.50	13807	EPA 6010	04/22/94
Thallium	ND	2.5	13791	EPA 7841	04/22/94
Vanadium	15	0.50	13807	EPA 6010	04/22/94
Zinc	18	1.0	13807	EPA 6010	04/22/94

ND = Not detected at or above reporting limit

SAMPLE ID: T7 @ 7.5
 LAB ID: 115201-013
 CLIENT: Subsurface Consultants
 PROJECT ID: 820.001
 LOCATION: 6707 Bay St.
 MATRIX: Soil

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE REPORTED: 04/26/94

CALIFORNIA TITLE 26 METALS

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	Batch Number	Method	Analysis Date
Antimony	ND	3.0	13807	EPA 6010	04/22/94
Arsenic	4.2	2.5	13791	EPA 7060	04/22/94
Barium	150	0.50	13807	EPA 6010	04/22/94
Beryllium	0.45	0.099	13807	EPA 6010	04/22/94
Cadmium	0.28	0.25	13807	EPA 6010	04/22/94
Chromium (total)	27	0.50	13807	EPA 6010	04/22/94
Cobalt	10	0.99	13807	EPA 6010	04/22/94
Copper	40	0.50	13807	EPA 6010	04/22/94
Lead	6.1	1.5	13791	EPA 7421	04/22/94
Mercury	ND	0.087	13774	EPA 7471	04/20/94
Molybdenum	ND	0.99	13807	EPA 6010	04/22/94
Nickel	37	0.99	13807	EPA 6010	04/22/94
Selenium	ND	2.5	13791	EPA 7740	04/22/94
Silver	ND	0.50	13807	EPA 6010	04/22/94
Thallium	ND	2.5	13791	EPA 7841	04/22/94
Vanadium	27	0.50	13807	EPA 6010	04/22/94
Zinc	62	0.99	13807	EPA 6010	04/22/94

ND = Not detected at or above reporting limit



SAMPLE ID: MW9 @ 15.5
LAB ID: 115201-014
CLIENT: Subsurface Consultants
PROJECT ID: 820.001
LOCATION: 6707 Bay St.
MATRIX: Soil

DATE SAMPLED: 04/13/94
DATE RECEIVED: 04/15/94
DATE REPORTED: 04/26/94

CALIFORNIA TITLE 26 METALS

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	Batch Number	Method	Analysis Date
Antimony	ND	3.0	13807	EPA 6010	04/22/94
Arsenic	4.2	2.5	13791	EPA 7060	04/22/94
Barium	190	0.50	13807	EPA 6010	04/22/94
Beryllium	0.43	0.10	13807	EPA 6010	04/22/94
Cadmium	ND	0.25	13807	EPA 6010	04/22/94
Chromium (total)	26	0.50	13807	EPA 6010	04/22/94
Cobalt	12	1.0	13807	EPA 6010	04/22/94
Copper	30	0.50	13807	EPA 6010	04/22/94
Lead	19	1.5	13791	EPA 7421	04/22/94
Mercury	ND	0.083	13774	EPA 7471	04/20/94
Molybdenum	ND	1.0	13807	EPA 6010	04/22/94
Nickel	36	1.0	13807	EPA 6010	04/22/94
Selenium	ND	2.5	13791	EPA 7740	04/22/94
Silver	ND	0.50	13807	EPA 6010	04/22/94
Thallium	ND	2.5	13791	EPA 7841	04/22/94
Vanadium	27	0.50	13807	EPA 6010	04/22/94
Zinc	61	1.0	13807	EPA 6010	04/22/94

ND = Not detected at or above reporting limit



SAMPLE ID: MW10 @ 15.5
 LAB ID: 115201-015
 CLIENT: Subsurface Consultants
 PROJECT ID: 820.001
 LOCATION: 6707 Bay St.
 MATRIX: Soil

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE REPORTED: 04/26/94

CALIFORNIA TITLE 26 METALS

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	Batch Number	Method	Analysis Date
Antimony	4.4	3.0	13807	EPA 6010	04/22/94
Arsenic	19	2.5	13791	EPA 7060	04/22/94
Barium	140	0.50	13807	EPA 6010	04/22/94
Beryllium	0.21	0.10	13807	EPA 6010	04/22/94
Cadmium	3.3	0.25	13807	EPA 6010	04/22/94
Chromium (total)	59	0.50	13807	EPA 6010	04/22/94
Cobalt	10	1.0	13807	EPA 6010	04/22/94
Copper	330	0.50	13807	EPA 6010	04/22/94
Lead	250	15	13807	EPA 6010	04/22/94
Mercury	0.77	0.10	13774	EPA 7471	04/20/94
Molybdenum	3.1	1.0	13807	EPA 6010	04/22/94
Nickel	37	1.0	13807	EPA 6010	04/22/94
Selenium	ND	2.5	13791	EPA 7740	04/22/94
Silver	1.1	0.50	13807	EPA 6010	04/22/94
Thallium	ND	2.5	13791	EPA 7841	04/22/94
Vanadium	24	0.50	13807	EPA 6010	04/22/94
Zinc	530	1.0	13807	EPA 6010	04/22/94

ND = Not detected at or above reporting limit



CLIENT: Subsurface Consultants
JOB NUMBER: 115201

DATE REPORTED: 04/26/94

BATCH QC REPORT
BLANK SPIKE / BLANK SPIKE DUPLICATE

Compound	Spike Amount	BS Result	BSD Result	Units	BS % Recovery	BSD % Recovery	Average Recovery	RPD	QC Batch	Method	Analysis Date
Antimony	500	430.6	466.7	ug/L	86	93	90	8	13807	EPA 6010	04/22/94
Arsenic	40	381.4	407.5	ug/L	95	102	99	7	13791	EPA 7060	04/22/94
Barium	2000	2023	2056	ug/L	101	103	102	2	13807	EPA 6010	04/22/94
Beryllium	50	49.7	50.5	ug/L	99	101	100	2	13807	EPA 6010	04/22/94
Cadmium	50	53.9	55	ug/L	108	110	109	2	13807	EPA 6010	04/22/94
Chromium (total)	200	189.7	192.3	ug/L	95	96	96	1	13807	EPA 6010	04/22/94
Cobalt	500	484.9	492.4	ug/L	97	99	98	2	13807	EPA 6010	04/22/94
Copper	250	255.6	257.8	ug/L	102	103	103	1	13807	EPA 6010	04/22/94
Lead	30	265.6	258	ug/L	89	86	88	3	13791	EPA 7421	04/22/94
Lead	500	451.8	433.5	ug/L	90	87	89	4	13807	EPA 6010	04/22/94
Mercury	4	4.407	4.202	ug/L	110	105	108	5	13774	EPA 7470	04/20/94
Molybdenum	400	376.9	380.4	ug/L	94	95	95	1	13807	EPA 6010	04/22/94
Nickel	500	496.7	510.9	ug/L	99	102	101	3	13807	EPA 6010	04/22/94
Selenium	30	274.4	278.2	ug/L	92	93	93	1	13791	EPA 7740	04/22/94
Silver	50	43.4	40.2	ug/L	87	80	84	8	13807	EPA 6010	04/22/94
Thallium	40	398	370.2	ug/L	100	93	97	7	13791	EPA 7841	04/22/94
Thallium	500	480.6	486.9	ug/L	96	97	97	1	13807	EPA 6010	04/22/94
Zinc	500	468.6	478.2	ug/L	94	96	95	2	13807	EPA 6010	04/22/94

CLIENT: Subsurface Consultants
 JOB NUMBER: 115201

DATE REPORTED: 04/26/94

 BATCH QC REPORT
 PREP BLANK

Compound	Result	Reporting Limit	Units	QC Batch	Method	Analysis Date
Antimony	ND	3	mg/Kg	13807	EPA 6010	04/22/94
Arsenic	ND	2.5	mg/Kg	13791	EPA 7060	04/22/94
Barium	ND	0.5	mg/Kg	13807	EPA 6010	04/22/94
Beryllium	ND	0.1	mg/Kg	13807	EPA 6010	04/22/94
Cadmium	ND	0.25	mg/Kg	13807	EPA 6010	04/22/94
Chromium (total)	ND	0.5	mg/Kg	13807	EPA 6010	04/22/94
Cobalt	ND	1	mg/Kg	13807	EPA 6010	04/22/94
Copper	ND	0.5	mg/Kg	13807	EPA 6010	04/22/94
Lead	ND	1.5	mg/Kg	13791	EPA 7421	04/22/94
Lead	ND	15	mg/Kg	13807	EPA 6010	04/22/94
Mercury	ND	0.1	mg/Kg	13774	EPA 7471	04/20/94
Molybdenum	ND	1	mg/Kg	13807	EPA 6010	04/22/94
Nickel	ND	1	mg/Kg	13807	EPA 6010	04/22/94
Selenium	ND	2.5	mg/Kg	13791	EPA 7740	04/22/94
Silver	ND	0.5	mg/Kg	13807	EPA 6010	04/22/94
Thallium	ND	2.5	mg/Kg	13791	EPA 7841	04/22/94
Vanadium	ND	0.5	mg/Kg	13807	EPA 6010	04/22/94
Zinc	ND	1	mg/Kg	13807	EPA 6010	04/22/94

ND = Not detected at or above reporting limit



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 28-APR-94
Lab Job Number: 115247
Project ID: 820.001
Location: 6707 Bay St.

Reviewed by:

Mary Plessas

Reviewed by:

Keeley

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LABORATORY NUMBER: 115247
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY STREET

DATE SAMPLED: 04/13,14/94
DATE RECEIVED: 04/15/94
DATE ANALYZED: 04/27/94
DATE REPORTED: 04/28/94

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
115247-003	T5 @ 9	ND	1
115247-004	T7 @ 7.5	ND	1
115247-006	MW10 @ 15.5	2	1
115247-007	T2 @ 8.5	ND	1
115247-008	T3 @ 8	ND	1
115247-009	T4 @ 9	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	85

VERBAL ADDITIONS / CANCELLATIONS TO ANALYSIS REQUEST SHEET

CLIENT: Subsurface

DATE: 4/20/94

REQUESTED BY: Mark Kawahara

TIME: 1:05 pm

RECORDED BY: Kathy O'Brien

Current Lab ID (Previous Lab ID)	Client ID	Circle matrix	Specify add or cancel	Analysis	Due date
115247-007 (115201-002)	T2@8.5'	<u>soil</u> water other	+	TVH-G	4/27
115247-008 (115201-003)	T3@8'	<u>soil</u> water other	+	TVH-G	↓
115247-009 (115201-004)	T4@9'	<u>soil</u> water other	+	TVH-G	↓
		soil water other			
115247-1 (115201-10)	T2@6	soil water other	-	Cancel Gas	
115247-2 (115201-11)	T5@5	soil water other	-		↓
115247-5 (115201-14)	MW 9@5.5'	soil water other	-		↓
		soil water other			

VERBAL ADDITIONS / CANCELLATIONS TO ANALYSIS REQUEST SHEET

CLIENT: Subsurface Consultants DATE: 4/20
 REQUESTED BY: Mark K. TIME: 10:00 am pm
 RECORDED BY: TKM PROJ: 820.001
 Location: 6707 Bay St.

Current Lab ID (Previous Lab ID)	Client ID	Circle matrix	Specify add or cancel	Analysis	Due date
115247-1 (115201-10)	T2@6	<u>soil</u> water other	ADD	TVH	4/27
115247-2 (115201-11)	T5@5	<u>soil</u> water other			
115247-3 (115201-12)	T5@9	<u>soil</u> water other			
115247-4 (115201-13)	T7@7.5	<u>soil</u> water other			
115247-5 (115201-14)	MW9@15.5	<u>soil</u> water other			
115247-6 (115201-15)	MW10@15.5	<u>soil</u> water other	✓	✓	✓
		soil water other			
		soil water other			



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A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 29-APR-94
Lab Job Number: 115355
Project ID: 820.001
Location: 6707 Bay St.

Reviewed by:

Mary Plessas

Reviewed by:

Kathy [Signature]

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LABORATORY NUMBER: 115355-001
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW9 @ 15.5

DATE SAMPLED: 04/13/94
 DATE RECEIVED: 04/15/94
 DATE REQUESTED: 04/26/94
 DATE ANALYZED: 04/27/94
 DATE REPORTED: 04/29/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	140*	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	20	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	Detected (4)	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Possible laboratory contamination.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	103 %
Toluene-d8	109 %
Bromofluorobenzene	90 %

LABORATORY NUMBER: 115355-002
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW10 @ 15.5

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/15/94
 DATE REQUESTED: 04/26/94
 DATE ANALYZED: 04/27/94
 DATE REPORTED: 04/29/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	20
Bromomethane	ND	20
Vinyl chloride	ND	20
Chloroethane	ND	20
Methylene chloride	40	40
Acetone	320	40
Carbon disulfide	20	10
Trichlorofluoromethane	ND	10
1,1-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
trans-1,2-Dichloroethene	ND	10
cis-1,2-Dichloroethene	ND	10
Chloroform	ND	10
Freon 113	ND	10
1,2-Dichloroethane	ND	10
2-Butanone	120	20
1,1,1-Trichloroethane	ND	10
Carbon tetrachloride	ND	10
Vinyl acetate	ND	100
Bromodichloromethane	ND	10
1,2-Dichloropropane	ND	10
cis-1,3-Dichloropropene	ND	10
Trichloroethene	ND	10
Dibromochloromethane	ND	10
1,1,2-Trichloroethane	ND	10
Benzene	ND	10
trans-1,3-Dichloropropene	ND	10
Bromoform	ND	10
2-Hexanone	ND	20
4-Methyl-2-pentanone	Detected(11)	20
1,1,2,2-Tetrachloroethane	ND	10
Tetrachloroethene	ND	10
Toluene	ND	10
Chlorobenzene	ND	10
Ethyl benzene	ND	10
Styrene	ND	10
Total xylenes	ND	10

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	108 %
Toluene-d8	120 %
Bromofluorobenzene	128 %



LABORATORY NUMBER: 115355 METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE REQUESTED: 04/26/94
 DATE ANALYZED: 04/27/94
 DATE REPORTED: 04/29/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	30	20
Acetone	20	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	100 %
Toluene-d8	99 %
Bromofluorobenzene	101 %



MS/MSD Report

Matrix Sample Number: 208804-018
 Lab No: QC61902 QC61903
 Matrix: SOIL
 Batch No: 13896 9416700 9416703 9416681

Date Analyzed: 28-APR-94
 Spike File: >BDR17
 Spike Dup File: >BDR18
 Analyst: CW

	Instrdgc	SpikeAmt	% Rec	Limits
<u>MS RESULTS</u>				
1,1-Dichloroethene	56.99	50	114 %	59-172%
Trichloroethene	40.47	50	81 %	62-137%
Benzene	46.02	50	92 %	66-142%
Toluene	46.56	50	93 %	59-139%
Chlorobenzene	44.17	50	88 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	47.24	50	94 %	70-121%
Toluene-d8	47.56	50	95 %	81-117%
Bromofluorobenzene	43.26	50	87 %	74-121%
<u>MSD RESULTS</u>				
1,1-Dichloroethene	60.05	50	120 %	59-172%
Trichloroethene	43.2	50	86 %	62-137%
Benzene	47.86	50	96 %	66-142%
Toluene	51.35	50	103 %	59-139%
Chlorobenzene	51.46	50	103 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	45.17	50	90 %	70-121%
Toluene-d8	49.68	50	99 %	81-117%
Bromofluorobenzene	46.15	50	92 %	74-121%
<u>MATRIX RESULTS</u>				
1,1-Dichloroethene	0			
Trichloroethene	0			
Benzene	0			
Toluene	0			
Chlorobenzene	0			
<u>RPD DATA</u>				
1,1-Dichloroethene	5 %			< 22%
Trichloroethene	7 %			< 24%
Benzene	4 %			< 21%
Toluene	10 %			< 21%
Chlorobenzene	15 %			< 21%

Results within Specifications - PASS

CW 4/28/94



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A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 04-MAY-94
Lab Job Number: 115359
Project ID: 820.001
Location: 6707 Bay St.

Reviewed by:

Mary Plessner

Reviewed by:

Kathy O'Brien

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LABORATORY NUMBER: 115359-001
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T3 @ 14.5

DATE SAMPLED: 04/13/94
 DATE RECEIVED: 04/26/94
 DATE ANALYZED: 04/27/94
 DATE REPORTED: 05/04/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	100*	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	20*	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Suspected laboratory contaminant

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	93 %
Toluene-d8	99 %
Bromofluorobenzene	96 %



LABORATORY NUMBER: 115359-002
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T5 @ 14.5

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/26/94
 DATE ANALYZED: 04/28/94
 DATE REPORTED: 05/04/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	10*	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	12	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

* Suspected laboratory contaminant

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	104 %
Toluene-d8	100 %
Bromofluorobenzene	100 %

LABORATORY NUMBER: 115359-003
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: T6 @ 14.0

DATE SAMPLED: 04/14/94
 DATE RECEIVED: 04/26/94
 DATE ANALYZED: 04/27/94
 DATE REPORTED: 05/04/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	50
Bromomethane	ND	50
Vinyl chloride	ND	50
Chloroethane	ND	50
Methylene chloride	ND	100
Acetone	ND	100
Carbon disulfide	ND	30
Trichlorofluoromethane	ND	30
1,1-Dichloroethene	ND	30
1,1-Dichloroethane	ND	30
trans-1,2-Dichloroethene	ND	30
cis-1,2-Dichloroethene	ND	30
Chloroform	ND	30
Freon 113	ND	30
1,2-Dichloroethane	ND	30
2-Butanone	ND	50
1,1,1-Trichloroethane	ND	30
Carbon tetrachloride	ND	30
Vinyl acetate	ND	300
Bromodichloromethane	ND	30
1,2-Dichloropropane	ND	30
cis-1,3-Dichloropropene	ND	30
Trichloroethene	ND	30
Dibromochloromethane	ND	30
1,1,2-Trichloroethane	ND	30
Benzene	ND	30
trans-1,3-Dichloropropene	ND	30
Bromoform	ND	30
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
1,1,2,2-Tetrachloroethane	ND	30
Tetrachloroethene	ND	30
Toluene	ND	30
Chlorobenzene	ND	30
Ethyl benzene	ND	30
Styrene	ND	30
Total xylenes	ND	30

NOTE: Raised detection limits due to a high concentration of non-target hydrocarbons.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	94 %
Toluene-d8	101 %
Bromofluorobenzene	99 %



LABORATORY NUMBER: 115359 METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE ANALYZED: 04/27/94
 DATE REPORTED: 05/04/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	89 %
Toluene-d8	100 %
Bromofluorobenzene	97 %



LABORATORY NUMBER: 115359 METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE ANALYZED: 04/28/94
 DATE REPORTED: 05/04/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	101 %
Toluene-d8	100 %
Bromofluorobenzene	100 %

QC SUMMARY SHEET FOR EPA 8240

Laboratory Number: 115359
 Client: SUBSURFACE CONSULTANTS
 Analysis date: 04/27/94
 Sample type: Soil
 Sample spiked: 208851-002

SPIKE DATA (spiked at 25 ppb)

SPIKE COMPOUNDS	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	116 %	OK	59 - 172
Trichloroethene	123 %	OK	66 - 142
Benzene	120 %	OK	62 - 137
Toluene	130 %	OK	59 - 139
Chlorobenzene	122 %	OK	60 - 133
SURROGATES			
1,2-Dichloroethane-d4	87 %	OK	70 - 121
Toluene-d8	106 %	OK	84 - 138
Bromofluorobenzene	87 %	OK	59 - 113

SPIKE DUP DATA (spiked at 25 ppb)

SPIKE COMPOUNDS	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	102 %	OK	59 - 172
Trichloroethene	116 %	OK	66 - 142
Benzene	110 %	OK	62 - 137
Toluene	122 %	OK	59 - 139
Chlorobenzene	117 %	OK	60 - 133
SURROGATES			
1,2-Dichloroethane-d4	88 %	OK	70 - 121
Toluene-d8	106 %	OK	84 - 138
Bromofluorobenzene	87 %	OK	59 - 113

RPD DATA

SPIKE COMPOUNDS	SPIKE	SPIKE DUP	RPD	STATUS	LIMITS
1,1-Dichloroethene	116	102	13 %	OK	< 22
Trichloroethene	123	116	6 %	OK	< 21
Benzene	120	110	9 %	OK	< 24
Toluene	130	122	6 %	OK	< 21
Chlorobenzene	122	117	4 %	OK	< 21



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 115526
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.

DATE SAMPLED: 04/13/94
DATE RECEIVED: 05/06/94
DATE REQUESTED: 05/06/94
DATE ANALYZED: 05/11/94
DATE REPORTED: 05/13/94

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
115526-001	T1 @ 14	ND	1

ND = Not detected at or above reporting limit.



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 115526
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.

DATE SAMPLED: 04/14/94
DATE RECEIVED: 04/15/94
DATE REQUESTED: 05/06/94
DATE ANALYZED: 05/13/94
DATE REPORTED: 05/13/94

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
115526-002	T7 @ 14	160	1

ND = Not detected at or above reporting limit.



LABORATORY NUMBER: 115526
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.

DATE SAMPLED: 04/13/94
DATE RECEIVED: 05/05/94
DATE EXTRACTED: 05/11/94
DATE ANALYZED: 05/11/94
DATE REPORTED: 05/13/94

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
115526-001	T1 @ 14	**	96	1

ND = Not detected at or above reporting limit.

* Reporting limit applies to all analytes.

** Kerosene range not reported due to overlap of hydrocarbon ranges.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	95



LABORATORY NUMBER: 115526
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.

DATE SAMPLED: 04/14/94
DATE RECEIVED: 04/15/94
DATE EXTRACTED: 05/11/94
DATE ANALYZED: 05/11/94
DATE REPORTED: 05/13/94

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
115526-002	T7 @ 14	ND	ND	20

ND = Not detected at or above reporting limit.

* Reporting limit applies to all analytes.

NOTE: Sample was diluted due to high levels of hydrocarbons in oil range.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	95

GROUNDWATER DATA



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

DATE RECEIVED: 05/20/93

DATE REPORTED: 05/26/93

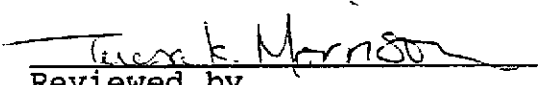
LABORATORY NUMBER: 110974

CLIENT: SUBSURFACE CONSULTANTS

PROJECT ID: 820.001

LOCATION: 6707 BAY ST

RESULTS: SEE ATTACHED


Reviewed by


Reviewed by

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Berkeley

Los Angeles



Client: Subsurface Consultants

Laboratory Login Number: 110974

Project Name: 6707 Bay St.

Report Date: 26 May 93

Project Number: 820.001

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520BF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
110974-002	MW 3	Water	20-MAY-93	20-MAY-93	25-MAY-93	ND	mg/L	5	TR	9343
110974-003	MW 1	Water	20-MAY-93	20-MAY-93	25-MAY-93	ND	mg/L	5	TR	9343
110974-004	MW 8	Water	20-MAY-93	20-MAY-93	25-MAY-93	ND	mg/L	5	TR	9343

ND = Not Detected at or above Reporting Limit (RL).



Q C B a t c h R e p o r t

Client: Subsurface Consultants
Project Name: 6707 Bay St.
Project Number: 820.001

Laboratory Login Number: 110974
Report Date: 26 May 93

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 9343

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	5	mg/L	SMWW 17:5520BF	25-MAY-93

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	88%	SMWW 17:5520BF	25-MAY-93
BSD	85%	SMWW 17:5520BF	25-MAY-93

		Control Limits
Average Spike Recovery	86%	80% - 120%
Relative Percent Difference	3.5%	< 20%



LABORATORY NUMBER: 110974-2
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST
 SAMPLE ID: MW 3

DATE SAMPLED: 05/20/93
 DATE RECEIVED: 05/20/93
 DATE ANALYZED: 05/25/93
 DATE REPORTED: 05/26/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	111 %
Toluene-d8	98 %
Bromofluorobenzene	98 %



LABORATORY NUMBER: 110974-3
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST
 SAMPLE ID: MW 1

DATE SAMPLED: 05/20/93
 DATE RECEIVED: 05/20/93
 DATE ANALYZED: 05/25/93
 DATE REPORTED: 05/26/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit
 QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	110 %
Toluene-d8	99 %
Bromofluorobenzene	100 %

LABORATORY NUMBER: 110974-4
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST
 SAMPLE ID: MW 8

DATE SAMPLED: 05/20/93
 DATE RECEIVED: 05/20/93
 DATE ANALYZED: 05/24/93
 DATE REPORTED: 05/26/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	5,000
Bromomethane	ND	5,000
Vinyl chloride	ND	5,000
Chloroethane	ND	5,000
Methylene chloride	ND	10,000
Acetone	ND	10,000
Carbon disulfide	ND	3,000
Trichlorofluoromethane	ND	3,000
1,1-Dichloroethene	ND	3,000
1,1-Dichloroethane	ND	3,000
cis-1,2-Dichloroethene	ND	3,000
trans-1,2-Dichloroethene	ND	3,000
Chloroform	ND	3,000
Freon 113	ND	3,000
1,2-Dichloroethane	ND	3,000
2-Butanone	ND	5,000
1,1,1-Trichloroethane	ND	3,000
Carbon tetrachloride	ND	3,000
Vinyl acetate	ND	5,000
Bromodichloromethane	ND	3,000
1,2-Dichloropropane	ND	3,000
cis-1,3-Dichloropropene	ND	3,000
Trichloroethene	ND	3,000
Dibromochloromethane	ND	3,000
1,1,2-Trichloroethane	ND	3,000
Benzene	ND	3,000
trans-1,3-Dichloropropene	ND	3,000
Bromoform	ND	3,000
2-Hexanone	ND	5,000
4-Methyl-2-pentanone	100,000	5,000
1,1,2,2-Tetrachloroethane	ND	3,000
Tetrachloroethene	ND	3,000
Toluene	ND	3,000
Chlorobenzene	ND	3,000
Ethyl benzene	ND	3,000
Styrene	ND	3,000
Total xylenes	ND	3,000

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	105 %
Toluene-d8	98 %
Bromofluorobenzene	95 %

LABORATORY NUMBER: 110974-METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST

DATE ANALYZED: 05/24/93
 DATE REPORTED: 05/26/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	105 %
Toluene-d8	97 %
Bromofluorobenzene	91 %

LABORATORY NUMBER: 110974-METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST

DATE ANALYZED: 05/25/93
 DATE REPORTED: 05/26/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	113 %
Toluene-d8	99 %
Bromofluorobenzene	98 %

QC SUMMARY SHEET FOR EPA 8240

Laboratory Number: 110974
 Client: Subsurface Consultants Spike file: ceo21
 Analysis date: 05/25/93 Spike dup file: ceo22
 Sample type: Water

SPIKE DATA (spiked at 50 ppb)

SPIKE COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	50.76	102 %	OK	61 - 145
Trichloroethene	49.41	99 %	OK	71 - 120
Benzene	52.37	105 %	OK	76 - 127
Toluene	50.47	101 %	OK	76 - 125
Chlorobenzene	51.20	102 %	OK	75 - 130
SURROGATES				
1,2-Dichloroethane-d4	53.28	107 %	OK	76 - 114
Toluene-d8	49.26	99 %	OK	88 - 110
Bromofluorobenzene	48.66	97 %	OK	86 - 115

SPIKE DUP DATA (spiked at 50 ppb)

SPIKE COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	47.01	94 %	OK	61 - 145
Trichloroethene	47.96	96 %	OK	71 - 120
Benzene	50.19	100 %	OK	76 - 127
Toluene	50.02	100 %	OK	76 - 125
Chlorobenzene	50.90	102 %	OK	75 - 130
SURROGATES				
1,2-Dichloroethane-d4	53.20	106 %	OK	76 - 114
Toluene-d8	49.70	99 %	OK	88 - 110
Bromofluorobenzene	50.19	100 %	OK	86 - 115

MATRIX RESULTS

1,1-Dichloroethene	0
Trichloroethene	0
Benzene	0
Toluene	0
Chlorobenzene	0

RPD DATA

SPIKE COMPOUNDS	SPIKE	SPIKE DUP	RPD	STATUS	LIMITS
1,1-Dichloroethene	50.76	47.01	8 %	OK	< 14
Trichloroethene	49.41	47.96	3 %	OK	< 14
Benzene	52.37	50.19	4 %	OK	< 11
Toluene	50.47	50.02	1 %	OK	< 13
Chlorobenzene	51.20	50.90	1 %	OK	< 13



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710. Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 01-SEP-93
Lab Job Number: 112021
Project ID: 820.001
Location: 6707 Bay St.



Reviewed by:

Reviewed by:

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Client: Subsurface Consultants

Laboratory Login Number: 112021

Project Name: 6707 Bay St.

Report Date: 01 September 93

Project Number: 820.001

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520BF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
112021-001	MW-1	Water	25-AUG-93	25-AUG-93	31-AUG-93	ND	mg/L	5	TR	10374
112021-002	MW-3	Water	25-AUG-93	25-AUG-93	31-AUG-93	ND	mg/L	5	TR	10374
112021-003	MW-8	Water	25-AUG-93	25-AUG-93	31-AUG-93	ND	mg/L	5	TR	10374

ND = Not Detected at or above Reporting Limit (RL).



Q C Batch Report

Client: Subsurface Consultants
Project Name: 6707 Bay St.
Project Number: 820.001

Laboratory Login Number: 112021
Report Date: 01 September 93

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 10374

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	5	mg/L	SMWW 17:5520BF	31-AUG-93

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	84%	SMWW 17:5520BF	31-AUG-93
BSD	82%	SMWW 17:5520BF	31-AUG-93

		Control Limits
Average Spike Recovery	83%	80% - 120%
Relative Percent Difference	3.2%	< 20%



LABORATORY NUMBER: 112021-1
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY STREET
 SAMPLE ID: MW-1

DATE SAMPLED: 08/25/93
 DATE RECEIVED: 08/25/93
 DATE ANALYZED: 08/27/93
 DATE REPORTED: 09/01/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit
 QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	107 %
Toluene-d8	106 %
Bromofluorobenzene	100 %

LABORATORY NUMBER: 112021-2
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY STREET
 SAMPLE ID: MW-3

DATE SAMPLED: 08/25/93
 DATE RECEIVED: 08/25/93
 DATE ANALYZED: 08/27/93
 DATE REPORTED: 09/01/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	111 %
Toluene-d8	104 %
Bromofluorobenzene	102 %



LABORATORY NUMBER: 112021-3
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY STREET
 SAMPLE ID: MW-8

DATE SAMPLED: 08/25/93
 DATE RECEIVED: 08/25/93
 DATE ANALYZED: 08/30/93
 DATE REPORTED: 09/01/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	3,000
Bromomethane	ND	3,000
Vinyl chloride	ND	3,000
Chloroethane	ND	3,000
Methylene chloride	ND	5,000
Acetone	ND	5,000
Carbon disulfide	ND	1,000
Trichlorofluoromethane	ND	1,000
1,1-Dichloroethene	ND	1,000
1,1-Dichloroethane	ND	1,000
cis-1,2-Dichloroethene	ND	1,000
trans-1,2-Dichloroethene	ND	1,000
Chloroform	ND	1,000
Freon 113	ND	1,000
1,2-Dichloroethane	ND	1,000
2-Butanone	ND	3,000
1,1,1-Trichloroethane	ND	1,000
Carbon tetrachloride	ND	1,000
Vinyl acetate	ND	3,000
Bromodichloromethane	ND	1,000
1,2-Dichloropropane	ND	1,000
cis-1,3-Dichloropropene	ND	1,000
Trichloroethene	ND	1,000
Dibromochloromethane	ND	1,000
1,1,2-Trichloroethane	ND	1,000
Benzene	ND	1,000
trans-1,3-Dichloropropene	ND	1,000
Bromoform	ND	1,000
2-Hexanone	ND	3,000
4-Methyl-2-pentanone	48,000	3,000
1,1,2,2-Tetrachloroethane	ND	1,000
Tetrachloroethene	ND	1,000
Toluene	ND	1,000
Chlorobenzene	ND	1,000
Ethyl benzene	ND	1,000
Styrene	ND	1,000
Total xylenes	ND	1,000

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	101 %
Toluene-d8	96 %
Bromofluorobenzene	95 %



LABORATORY NUMBER: 112021-METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY STREET

DATE ANALYZED: 08/27/93
 DATE REPORTED: 09/01/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	6	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	111 %
Toluene-d8	104 %
Bromofluorobenzene	98 %



LABORATORY NUMBER: 112021-METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY STREET

DATE ANALYZED: 08/30/93
 DATE REPORTED: 09/01/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	100 %
Toluene-d8	93 %
Bromofluorobenzene	100 %

QC SUMMARY SHEET FOR EPA 8240

Laboratory Number: 112021
 Client: Subsurface Consultants Spike file: brh18
 Analysis date: 08/28/93 Spike dup file: brh19
 Sample type: Water

SPIKE DATA (spiked at 50 ppb)

SPIKE COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	48.88	98 %	OK	61 - 145
Trichloroethene	49.38	99 %	OK	71 - 120
Benzene	47.96	96 %	OK	76 - 127
Toluene	42.81	86 %	OK	76 - 125
Chlorobenzene	47.11	94 %	OK	75 - 130
SURROGATES				
1,2-Dichloroethane-d4	51.37	103 %	OK	76 - 114
Toluene-d8	49.61	99 %	OK	88 - 110
Bromofluorobenzene	48.95	98 %	OK	86 - 115
	48.41			

SPIKE DUP DATA (spiked at 50 ppb)

SPIKE COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	50.98	102 %	OK	61 - 145
Trichloroethene	47.62	95 %	OK	71 - 120
Benzene	45.85	92 %	OK	76 - 127
Toluene	42.65	85 %	OK	76 - 125
Chlorobenzene	47.24	94 %	OK	75 - 130
SURROGATES				
1,2-Dichloroethane-d4	49.49	99 %	OK	76 - 114
Toluene-d8	49.08	98 %	OK	88 - 110
Bromofluorobenzene	48.77	98 %	OK	86 - 115

MATRIX RESULTS

1,1-Dichloroethene	0
Trichloroethene	0
Benzene	0
Toluene	0
Chlorobenzene	0

RPD DATA

SPIKE COMPOUNDS	SPIKE	SPIKE DUP	RPD	STATUS	LIMITS
1,1-Dichloroethene	48.88	50.98	4 %	OK	< 14
Trichloroethene	49.38	47.62	4 %	OK	< 14
Benzene	47.96	45.85	4 %	OK	< 11
Toluene	42.81	42.65	0 %	OK	< 13
Chlorobenzene	47.11	47.24	0 %	OK	< 13

QC SUMMARY SHEET FOR EPA 8240

Laboratory Number: 112021
 Client: Subsurface Consultants Spike file: chu08
 Analysis date: 08/30/93 Spike dup file: chu09
 Sample type: Water

SPIKE DATA (spiked at 50 ppb)

SPIKE COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	47.04	94 %	OK	61 - 145
Trichloroethene	50.75	102 %	OK	71 - 120
Benzene	239.67	83 %	OK	76 - 127
Toluene	46.45	91 %	OK	76 - 125
Chlorobenzene	51.47	103 %	OK	75 - 130
SURROGATES				
1,2-Dichloroethane-d4	51.37	103 %	OK	76 - 114
Toluene-d8	48.84	98 %	OK	88 - 110
Bromofluorobenzene	47.68	95 %	OK	86 - 115

SPIKE DUP DATA (spiked at 50 ppb)

SPIKE COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	49.11	98 %	OK	61 - 145
Trichloroethene	53.36	107 %	OK	71 - 120
Benzene	243.71	91 %	OK	76 - 127
Toluene	47.86	93 %	OK	76 - 125
Chlorobenzene	53.57	107 %	OK	75 - 130
SURROGATES				
1,2-Dichloroethane-d4	51.00	102 %	OK	76 - 114
Toluene-d8	48.46	97 %	OK	88 - 110
Bromofluorobenzene	46.63	93 %	OK	86 - 115

MATRIX RESULTS

1,1-Dichloroethene	0
Trichloroethene	0
Benzene	198.39
Toluene	1.14
Chlorobenzene	0

RPD DATA

SPIKE COMPOUNDS	SPIKE	SPIKE DUP	RPD	STATUS	LIMITS
1,1-Dichloroethene	47.04	49.11	4 %	OK	< 14
Trichloroethene	50.75	53.36	5 %	OK	< 14
Benzene	239.67	243.71	2 %	OK	< 11
Toluene	46.45	47.86	3 %	OK	< 13
Chlorobenzene	51.47	53.57	4 %	OK	< 13



A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants

171 12th Street

Suite 201

Oakland, CA 94608

Date: 30-NOV-93

Lab Job Number: 113251

Project ID: 820.001

Location: 6707 Bay St.

Reviewed by: _____

Reviewed by: _____

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LABORATORY NUMBER: 113251-01
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 80.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW-1

DATE SAMPLED: 11/18/93
 DATE RECEIVED: 11/18/93
 DATE ANALYZED: 11/24/93
 DATE REPORTED: 11/30/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	40
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	103 %
Toluene-d8	107 %
Bromofluorobenzene	102 %



LABORATORY NUMBER: 113251-02
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 80.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW-3

DATE SAMPLED: 11/18/93
 DATE RECEIVED: 11/18/93
 DATE ANALYZED: 11/24/93
 DATE REPORTED: 11/30/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	104 %
Toluene-d8	102 %
Bromofluorobenzene	99 %



LABORATORY NUMBER: 113251-03
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 80.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW-8

DATE SAMPLED: 11/18/93
 DATE RECEIVED: 11/18/93
 DATE ANALYZED: 11/24/93
 DATE REPORTED: 11/30/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	50
Bromomethane	ND	50
Vinyl chloride	ND	50
Chloroethane	ND	50
Methylene chloride	ND	100
Acetone	ND	100
Carbon disulfide	ND	25
Trichlorofluoromethane	ND	25
1,1-Dichloroethene	ND	25
1,1-Dichloroethane	ND	25
trans-1,2-Dichloroethene	ND	25
cis-1,2-Dichloroethene	ND	25
Chloroform	ND	25
Freon 113	ND	25
1,2-Dichloroethane	ND	25
2-Butanone	ND	50
1,1,1-Trichloroethane	ND	25
Carbon tetrachloride	ND	25
Vinyl acetate	ND	250
Bromodichloromethane	ND	25
1,2-Dichloropropane	ND	25
cis-1,3-Dichloropropene	ND	25
Trichloroethene	ND	25
Dibromochloromethane	ND	25
1,1,2-Trichloroethane	ND	25
Benzene	ND	25
trans-1,3-Dichloropropene	ND	25
Bromoform	ND	25
2-Hexanone	ND	50
4-Methyl-2-pentanone	840	50
1,1,2,2-Tetrachloroethane	ND	25
Tetrachloroethene	ND	25
Toluene	ND	25
Chlorobenzene	ND	25
Ethyl benzene	ND	25
Styrene	ND	25
Total xylenes	ND	25

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	107 %
Toluene-d8	96 %
Bromofluorobenzene	94 %



LABORATORY NUMBER: 113251
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 80.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: METHOD BLANK

DATE ANALYZED: 11/23/93
 DATE REPORTED: 11/30/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	8	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	100 %
Toluene-d8	100 %
Bromofluorobenzene	105 %



LABORATORY NUMBER: 113251
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 80.001
LOCATION: 6707 BAY ST.
SAMPLE ID: METHOD BLANK

DATE ANALYZED: 11/24/93
DATE REPORTED: 11/30/93

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	106 %
Toluene-d8	103 %
Bromofluorobenzene	98 %



MS/MSD Report

Matrix Sample Number: 113224-001

Lab No: QC53042 QC53043

Matrix: WATER

Batch No: 11584 939416 939417 939411

Date Analyzed: 24-NOV-93

Spike File: >BKN17

Spike Dup File: >BKN18

Analyst: CW

	Instrdg	SpikeAmt	% Rec	Limits
<u>MS RESULTS</u>				
1,1-Dichloroethene	51.62	50	100 %	61-145%
Trichloroethene	54.89	50	110 %	71-120%
Benzene	54.45	50	102 %	76-127%
Toluene	55.56	50	92 %	76-125%
Chlorobenzene	53.21	50	106 %	75-130%
Surrogate Recoveries				
1,2-Dichloroethane-d4	49.66	50	99 %	76-114%
Toluene-d8	52.86	50	106 %	88-110%
Bromofluorobenzene	50.82	50	102 %	86-115%
<u>MSD RESULTS</u>				
1,1-Dichloroethene	47.43	50	92 %	61-145%
Trichloroethene	51.76	50	104 %	71-120%
Benzene	53.28	50	100 %	76-127%
Toluene	54.71	50	90 %	76-125%
Chlorobenzene	51.02	50	102 %	75-130%
Surrogate Recoveries				
1,2-Dichloroethane-d4	48.45	50	97 %	76-114%
Toluene-d8	50.8	50	102 %	88-110%
Bromofluorobenzene	47.95	50	96 %	86-115%
<u>MATRIX RESULTS</u>				
1,1-Dichloroethene	1.45			
Trichloroethene	0			
Benzene	3.48			
Toluene	9.81			
Chlorobenzene	0			
<u>RPD DATA</u>				
1,1-Dichloroethene	8 %			< 14%
Trichloroethene	6 %			< 14%
Benzene	2 %			< 11%
Toluene	2 %			< 13%
Chlorobenzene	4 %			< 13%

Results within Specifications - PASS CW 11/24/93

MS/MSD Report

Matrix Sample Number: 113289-006
 Lab No: QC53117 QC53118
 Matrix: WATER
 Batch No: 11605 939439 939440 939436

Date Analyzed: 24-NOV-93
 Spike File: >BKO13
 Spike Dup File: >BKO14
 Analyst: CK

	Instrdg	SpikeAmt	% Rec	Limits
<u>MS RESULTS</u>				
1,1-Dichloroethene	42.34	50	85 %	61-145%
Trichloroethene	48.33	50	97 %	71-120%
Benzene	49.39	50	97 %	76-127%
Toluene	46.27	50	93 %	76-125%
Chlorobenzene	50.29	50	100 %	75-130%
Surrogate Recoveries				
1,2-Dichloroethane-d4	52.31	50	105 %	76-114%
Toluene-d8	49.97	50	100 %	88-110%
Bromofluorobenzene	51.04	50	102 %	86-115%
<u>MSD RESULTS</u>				
1,1-Dichloroethene	43.21	50	86 %	61-145%
Trichloroethene	50.4	50	101 %	71-120%
Benzene	51.08	50	100 %	76-127%
Toluene	47.12	50	94 %	76-125%
Chlorobenzene	50.63	50	100 %	75-130%
Surrogate Recoveries				
1,2-Dichloroethane-d4	53.88	50	108 %	76-114%
Toluene-d8	52.02	50	104 %	88-110%
Bromofluorobenzene	50.78	50	102 %	86-115%
<u>MATRIX RESULTS</u>				
1,1-Dichloroethene	0			
Trichloroethene	0			
Benzene	.891			
Toluene	0			
Chlorobenzene	.482			
<u>RPD DATA</u>				
1,1-Dichloroethene	2 %			< 14%
Trichloroethene	4 %			< 14%
Benzene	3 %			< 11%
Toluene	2 %			< 13%
Chlorobenzene	1 %			< 13%

Results within Specifications - PASS-



Client: Subsurface Consultants

Laboratory Login Number: 113251

Report Date: 30 November 93

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520BF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
113251-001	MW-1	Water	18-NOV-93	18-NOV-93	18-NOV-93	ND	mg/L	5	TR	11545
113251-002	MW-3	Water	18-NOV-93	18-NOV-93	18-NOV-93	ND	mg/L	5	TR	11545
113251-003	MW-8	Water	18-NOV-93	18-NOV-93	18-NOV-93	14.	mg/L	5	TR	11545

ND = Not Detected at or above Reporting Limit (RL).



Q C Batch Report

Client: Subsurface Consultants

Laboratory Login Number: 113251
Report Date: 30 November 93

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 11545

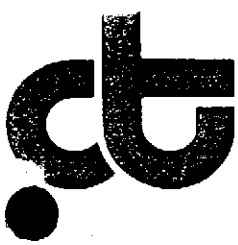
Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	5	mg/L	SMWW 17:5520BF	18-NOV-93

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	86%	SMWW 17:5520BF	18-NOV-93
BSD	88%	SMWW 17:5520BF	18-NOV-93

		Control Limits
Average Spike Recovery	87%	80% - 120%
Relative Percent Difference	2.4%	< 20%



A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 07-MAR-94
Lab Job Number: 114517
Project ID: 820.001
Location: 6707 Bay St.

Reviewed by:

Mary Plesser

Reviewed by:

Kathy Bin

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LABORATORY NUMBER: 114517-001
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW-1

DATE SAMPLED: 02/25/94
 DATE RECEIVED: 02/25/94
 DATE ANALYZED: 02/28/94
 DATE REPORTED: 03/07/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone (MEK)	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone (MIBK)	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	102 %
Toluene-d8	111 %
Bromofluorobenzene	90 %



LABORATORY NUMBER: 114517-002
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW-3

DATE SAMPLED: 02/25/94
 DATE RECEIVED: 02/25/94
 DATE ANALYZED: 02/28/94
 DATE REPORTED: 03/07/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone (MEK)	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone (MIBK)	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	102 %
Toluene-d8	106 %
Bromofluorobenzene	98 %



LABORATORY NUMBER: 114517-003
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW-8

DATE SAMPLED: 02/25/94
 DATE RECEIVED: 02/25/94
 DATE ANALYZED: 02/28/94
 DATE REPORTED: 03/07/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	1,000
Bromomethane	ND	1,000
Vinyl chloride	ND	1,000
Chloroethane	ND	1,000
Methylene chloride	ND	2,000
Acetone	ND	2,000
Carbon disulfide	ND	500
Trichlorofluoromethane	ND	500
1,1-Dichloroethene	ND	500
1,1-Dichloroethane	ND	500
trans-1,2-Dichloroethene	ND	500
cis-1,2-Dichloroethene	ND	500
Chloroform	ND	500
Freon 113	ND	500
1,2-Dichloroethane	ND	500
2-Butanone (MEK)	ND	1,000
1,1,1-Trichloroethane	ND	500
Carbon tetrachloride	ND	500
Vinyl acetate	ND	5,000
Bromodichloromethane	ND	500
1,2-Dichloropropane	ND	500
cis-1,3-Dichloropropene	ND	500
Trichloroethene	ND	500
Dibromochloromethane	ND	500
1,1,2-Trichloroethane	ND	500
Benzene	ND	500
trans-1,3-Dichloropropene	ND	500
Bromoform	ND	500
2-Hexanone	ND	1,000
4-Methyl-2-pentanone (MIBK)	14,000	1,000
1,1,2,2-Tetrachloroethane	ND	500
Tetrachloroethene	ND	500
Toluene	ND	500
Chlorobenzene	ND	500
Ethyl benzene	ND	500
Styrene	ND	500
Total xylenes	ND	500

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	103 %
Toluene-d8	107 %
Bromofluorobenzene	98 %



LABORATORY NUMBER: 114517-METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: N/A

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE ANALYZED: 02/28/94
 DATE REPORTED: 03/07/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit
 QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	101 %
Toluene-d8	107 %
Bromofluorobenzene	96 %



Matrix Sample Number: 114451-005
 Lab No: QC58211 QC58212
 Matrix: WATER
 Batch No: 12919 9412684 9412686 9412663

Date Analyzed: 28-FEB-94
 Spike File: >CBS17
 Spike Dup File: >CBS18
 Analyst: CW

	Instrdg	SpikeAmt	% Rec	Limits
<u>MS RESULTS</u>				
1,1-Dichloroethene	46.24	50	93 %	61-145%
Trichloroethene	51.36	50	103 %	71-120%
Benzene	47.36	50	95 %	76-127%
Toluene	45.27	50	91 %	76-125%
Chlorobenzene	51.27	50	103 %	75-130%
Surrogate Recoveries				
1,2-Dichloroethane-d4	48.61	50	97 %	76-114%
Toluene-d8	51.06	50	102 %	88-110%
Bromofluorobenzene	45.18	50	90 %	86-115%
<u>MSD RESULTS</u>				
1,1-Dichloroethene	45.58	50	91 %	61-145%
Trichloroethene	52.42	50	105 %	71-120%
Benzene	48.71	50	97 %	76-127%
Toluene	46.36	50	93 %	76-125%
Chlorobenzene	52.48	50	105 %	75-130%
Surrogate Recoveries				
1,2-Dichloroethane-d4	48.96	50	98 %	76-114%
Toluene-d8	50.83	50	102 %	88-110%
Bromofluorobenzene	47.35	50	95 %	86-115%
<u>MATRIX RESULTS</u>				
1,1-Dichloroethene	0			
Trichloroethene	0			
Benzene	0			
Toluene	0			
Chlorobenzene	0			
<u>RPD DATA</u>				
1,1-Dichloroethene	1 %			< 14%
Trichloroethene	2 %			< 14%
Benzene	3 %			< 11%
Toluene	2 %			< 13%
Chlorobenzene	2 %			< 13%

Results within Specifications - PASS

CW 3/1/94



Client: Subsurface Consultants

Laboratory Login Number: 114517

Project Name: 6707 Bay St.

Report Date: 07 March 94

Project Number: 820.001

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520BF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
114517-001	MW-1	Water	25-FEB-94	25-FEB-94	03-MAR-94	ND	mg/L	5	TR	13004
114517-002	MW-3	Water	25-FEB-94	25-FEB-94	03-MAR-94	ND	mg/L	5	TR	13004
114517-003	MW-8	Water	25-FEB-94	25-FEB-94	03-MAR-94	ND	mg/L	5	TR	13004

ND = Not Detected at or above Reporting Limit (RL).



Q C B a t c h R e p o r t

Client: Subsurface Consultants
Project Name: 6707 Bay St.
Project Number: 820.001

Laboratory Login Number: 114517
Report Date: 07 March 94

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 13004

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	5	mg/L	SMWW 17:5520BF	03-MAR-94

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	84%	SMWW 17:5520BF	03-MAR-94
BSD	87%	SMWW 17:5520BF	03-MAR-94

		Control Limits
Average Spike Recovery	86%	80% - 120%
Relative Percent Difference	3.2%	< 20%



A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 05-MAY-94
Lab Job Number: 115298
Project ID: 820.001
Location: 6707 Bay St.

Reviewed by:

Mary Klesner

Reviewed by:

Kathleen Brien

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LABORATORY NUMBER: 115298-002
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW-8

DATE SAMPLED: 04/21/94
 DATE RECEIVED: 04/22/94
 DATE ANALYZED: 05/03/94
 DATE REPORTED: 05/04/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	1,000
Bromomethane	ND	1,000
Vinyl chloride	ND	1,000
Chloroethane	ND	1,000
Methylene chloride	ND	2,000
Acetone	ND	2,000
Carbon disulfide	ND	500
Trichlorofluoromethane	ND	500
1,1-Dichloroethene	ND	500
1,1-Dichloroethane	ND	500
trans-1,2-Dichloroethene	ND	500
cis-1,2-Dichloroethene	ND	500
Chloroform	ND	500
Freon 113	ND	500
1,2-Dichloroethane	ND	500
2-Butanone	ND	1,000
1,1,1-Trichloroethane	ND	500
Carbon tetrachloride	ND	500
Vinyl acetate	ND	5,000
Bromodichloromethane	ND	500
1,2-Dichloropropane	ND	500
cis-1,3-Dichloropropene	ND	500
Trichloroethene	ND	500
Dibromochloromethane	ND	500
1,1,2-Trichloroethane	ND	500
Benzene	ND	500
trans-1,3-Dichloropropene	ND	500
Bromoform	ND	500
2-Hexanone	ND	1,000
4-Methyl-2-pentanone	19,000	1,000
1,1,2,2-Tetrachloroethane	ND	500
Tetrachloroethene	ND	500
Toluene	ND	500
Chlorobenzene	ND	500
Ethyl benzene	ND	500
Styrene	ND	500
Total xylenes	ND	500

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	103 %
Toluene-d8	99 %
Bromofluorobenzene	104 %



LABORATORY NUMBER: 115298-003
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW-9

DATE SAMPLED: 04/21/94
 DATE RECEIVED: 04/22/94
 DATE ANALYZED: 05/03/94
 DATE REPORTED: 05/04/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	120	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit
 QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	98 %
Toluene-d8	106 %
Bromofluorobenzene	95 %



LABORATORY NUMBER: 115298-004
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.
 SAMPLE ID: MW-10

DATE SAMPLED: 04/21/94
 DATE RECEIVED: 04/22/94
 DATE ANALYZED: 05/04/94
 DATE REPORTED: 05/05/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	22	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	23	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	Detected(3)	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	108 %
Toluene-d8	102 %
Bromofluorobenzene	102 %



LABORATORY NUMBER: 115298 METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE ANALYZED: 05/03/94
 DATE REPORTED: 05/05/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	104 %
Toluene-d8	96 %
Bromofluorobenzene	99 %



LABORATORY NUMBER: 115298 METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE ANALYZED: 05/03/94
 DATE REPORTED: 05/04/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	94 %
Toluene-d8	100 %
Bromofluorobenzene	100 %



LABORATORY NUMBER: 115298 METHOD BLANK
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST.

DATE SAMPLED: N/A
 DATE RECEIVED: N/A
 DATE ANALYZED: 05/04/94
 DATE REPORTED: 05/04/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	108 %
Toluene-d8	105 %
Bromofluorobenzene	101 %



CLP VOCN Laboratory Control Sample Report

Lab No: QC62164
Date Analyzed: 02-MAY-94
Matrix: WATER
Batch No: 13972 9416952

LCS Datafile: >BE206

Operator: CW

Compound	Instrdq	SpikeAmt	% Rec	Limits
1,1-Dichloroethene	58.33	50	117 %	61-145%
Trichloroethene	49.38	50	99 %	71-120%
Benzene	56.01	50	112 %	76-127%
Toluene	54.24	50	108 %	76-125%
Chlorobenzene	55.15	50	110 %	75-130%

Surrogate Recoveries

1,2-Dichloroethane-d4	51.77	50	104 %	76-114%
Toluene-d8	52.12	50	104 %	88-110%
Bromofluorobenzene	52.56	50	105 %	86-115%

Results within Specifications - PASS



Curtis & Tompkins, Ltd

8240 Laboratory Control Sample Report

Lab No: QC62270
 Date Analyzed: 03-MAY-94
 Matrix: WATER
 Batch No: 13999 9416998

LCS Datafile: >BE303

Operator: CW

Compound	Instrdg	SpikeAmt	% Rec	Limits
1,1-Dichloroethene	58.55	50	117 %	61-145%
Trichloroethene	45.36	50	91 %	71-120%
Benzene	47.25	50	95 %	76-127%
Toluene	44.37	50	89 %	76-125%
Chlorobenzene	46.77	50	94 %	75-130%

Surrogate Recoveries

1,2-Dichloroethane-d4	47.37	50	95 %	76-114%
Toluene-d8	50.04	50	100 %	88-110%
Bromofluorobenzene	49.73	50	99 %	86-115%

Results within Specifications - PASS

CW 5/4/94

8240 Laboratory Control Sample Report

Lab No: QC62370
Date Analyzed: 04-MAY-94
Matrix: WATER
Batch No: 14023 9417073

LCS Datafile: >BE404

Operator: CW

Compound	Instrdg	SpikeAmt	% Rec	Limits
1,1-Dichloroethene	60.05	50	120 %	61-145%
Trichloroethene	45.63	50	91 %	71-120%
Benzene	51.24	50	102 %	76-127%
Toluene	52.39	50	105 %	76-125%
Chlorobenzene	50.46	50	101 %	75-130%

Surrogate Recoveries

1,2-Dichloroethane-d4	50.84	50	102 %	76-114%
Toluene-d8	52.29	50	105 %	88-110%
Bromofluorobenzene	49.25	50	99 %	86-115%

Results within Specifications - PASS



LABORATORY NUMBER: 115298
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.

DATE SAMPLED: 04/21/94
DATE RECEIVED: 04/22/94
DATE ANALYZED: 04/25/94
DATE REPORTED: 05/02/94

Total Volatile Hydrocarbons as Gasoline in Aqueous Solutions
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (ug/L)	REPORTING LIMIT (ug/L)
115298-001	MW-3	60	50
115298-002	MW-8	5900	50
115298-003	MW-9	920	50
115298-004	MW-10	680	50
METHOD BLANK		ND	50

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	83



LABORATORY NUMBER: 115298
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST.

DATE SAMPLED: 04/21/94
DATE RECEIVED: 04/22/94
DATE EXTRACTED: 04/26/94
DATE ANALYZED: 04/28/94
DATE REPORTED: 05/02/94

Extractable Petroleum Hydrocarbons in Aqueous Solutions
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	KEROSENE RANGE (ug/L)	DIESEL RANGE (ug/L)	REPORTING LIMIT (ug/L)
115298-001	MW-3	ND	430	50
115298-002	MW-8	**	2,800	50
115298-003	MW-9	**	680	50
115298-004	MW-10	**	2,100	50

** Kerosene range not reported due to overlap of hydrocarbon ranges.

ND = Not detected at or above reporting limit. Reporting limit applies to all analytes.

QA/QC SUMMARY:

RPD, %	2
RECOVERY, %	82

Client: Subsurface Consultants

Laboratory Login Number: 115298

Project Name: 6707 Bay St.

Report Date: 02 May 94

Project Number: 820.001

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520BF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
115298-001	MW-3	Water	21-APR-94	22-APR-94	27-APR-94	ND	mg/L	5	TR	13919
115298-002	MW-8	Water	21-APR-94	22-APR-94	27-APR-94	ND	mg/L	5	TR	13919
115298-003	MW-9	Water	21-APR-94	22-APR-94	27-APR-94	ND	mg/L	5	TR	13919
115298-004	MW-10	Water	21-APR-94	22-APR-94	27-APR-94	ND	mg/L	5	TR	13919

ND = Not Detected at or above Reporting Limit (RL).



Q C B a t c h R e p o r t

Client: Subsurface Consultants
Project Name: 6707 Bay St.
Project Number: 820.001

Laboratory Login Number: 115298
Report Date: 02 May 94

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 13919

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	5	mg/L	SMWW 17:5520BF	27-APR-94

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	84%	SMWW 17:5520BF	27-APR-94
BSD	86%	SMWW 17:5520BF	27-APR-94

		Control Limits
Average Spike Recovery	85%	80% - 120%
Relative Percent Difference	3.1%	< 20%



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 18-MAY-94
Lab Job Number: 115382
Project ID: 820.001
Location: 6707 Bay St.

Reviewed by:

Mary Plessac

Reviewed by:

Kathy Thi

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LABORATORY NUMBER: 115582-1
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT ID: 820.001
 LOCATION: 6707 BAY ST
 SAMPLE ID: MWS

DATE SAMPLED: 05/11/94
 DATE RECEIVED: 05/11/94
 DATE ANALYZED: 05/13/94
 DATE REPORTED: 05/18/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	5,000
Bromomethane	ND	5,000
Vinyl chloride	ND	5,000
Chloroethane	ND	5,000
Methylene chloride	ND	10,000
Acetone	ND	10,000
Carbon disulfide	ND	3,000
Trichlorofluoromethane	ND	3,000
1,1-Dichloroethene	ND	3,000
1,1-Dichloroethane	ND	3,000
trans-1,2-Dichloroethene	ND	3,000
cis-1,2-Dichloroethene	ND	3,000
Chloroform	ND	3,000
Freon 113	ND	3,000
1,2-Dichloroethane	ND	3,000
2-Butanone	ND	5,000
1,1,1-Trichloroethane	ND	3,000
Carbon tetrachloride	ND	3,000
Vinyl acetate	ND	25,000
Bromodichloromethane	ND	3,000
1,2-Dichloropropane	ND	3,000
cis-1,3-Dichloropropene	ND	3,000
Trichloroethene	ND	3,000
Dibromochloromethane	ND	3,000
1,1,2-Trichloroethane	ND	3,000
Benzene	ND	3,000
trans-1,3-Dichloropropene	ND	3,000
Bromoform	ND	3,000
2-Hexanone	ND	5,000
4-Methyl-2-pentanone	140,000	10,000 *
1,1,2,2-Tetrachloroethane	ND	3,000
Tetrachloroethene	ND	3,000
Toluene	ND	3,000
Chlorobenzene	ND	3,000
Ethyl benzene	ND	3,000
Styrene	ND	3,000
Total xylenes	ND	3,000

*Analyzed at a 1:2000 dilution on 05/16/94

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	100 %
Toluene-d8	103 %
Bromofluorobenzene	103 %



LABORATORY NUMBER: 115582-METHOD BLANK
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 820.001
LOCATION: 6707 BAY ST

DATE ANALYZED: 05/13/94
DATE REPORTED: 05/18/94

EPA METHOD 8240: VOLATILE ORGANICS IN WATER

COMPOUND	Result ug/L	Reporting Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit
QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	99 %
Toluene-d8	95 %
Bromofluorobenzene	94 %



QC SUMMARY SHEET FOR EPA 8240

Laboratory Number: 115582
 Client: Subsurface Consultants Spike file: bed08
 Analysis date: 05/13/94 Spike dup file: bed09
 Sample type: Water
 Sample spiked: 115587-001

SPIKE DATA (spiked at 50 ppb)

SPIKE COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	51.62	103 %	OK	61 - 145
Trichloroethene	45.04	90 %	OK	71 - 120
Benzene	49.32	99 %	OK	76 - 127
Toluene	45.33	91 %	OK	76 - 125
Chlorobenzene	44.03	88 %	OK	75 - 130
SURROGATES				
1,2-Dichloroethane-d4	51.09	102 %	OK	76 - 114
Toluene-d8	51.21	102 %	OK	88 - 110
Bromofluorobenzene	46.95	94 %	OK	86 - 115

SPIKE DUP DATA (spiked at 50 ppb)

SPIKE COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	53.29	107 %	OK	61 - 145
Trichloroethene	46.65	93 %	OK	71 - 120
Benzene	49.65	99 %	OK	76 - 127
Toluene	49.48	99 %	OK	76 - 125
Chlorobenzene	46.53	93 %	OK	75 - 130
SURROGATES				
1,2-Dichloroethane-d4	52.14	104 %	OK	76 - 114
Toluene-d8	50.16	100 %	OK	88 - 110
Bromofluorobenzene	46.98	94 %	OK	86 - 115

MATRIX RESULTS

1,1-Dichloroethene	0
Trichloroethene	0
Benzene	0
Toluene	0
Chlorobenzene	0

RPD DATA

SPIKE COMPOUNDS	SPIKE	SPIKE DUP	RPD	STATUS	LIMITS
1,1-Dichloroethene	51.62	53.29	3 %	OK	< 14
Trichloroethene	45.04	46.65	4 %	OK	< 14
Benzene	49.32	49.65	1 %	OK	< 11
Toluene	45.33	49.48	9 %	OK	< 13
Chlorobenzene	44.03	46.53	6 %	OK	< 13

115580

CHAIN OF STUDY FORM

PAGE 1 OF 1

ANALYSIS REQUESTED

PROJECT NAME: 6707 BAY ST

JOB NUMBER: 820-001

LAB: CURTIS & TOMPKINS

PROJECT CONTACT: MARK KAWAKAMI

TURNAROUND: NORMAL

SAMPLED BY: FERNANDO VELEZ

REQUESTED BY: FERNANDO VELEZ

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX				CONTAINERS				METHOD PRESERVED					SAMPLING DATE				NOTES
		WATER	SOIL	WASTE	AIR	LITER	PINT	TUBE	HCL	H2SO4	HNO3	ICE	NONE	MONTH	DAY	YEAR	TIME		
115580-001	MWF	X							X			X			05	11	94	1000	X

022818240

CHAIN OF CUSTODY RECORD

COMMENTS & NOTES:

RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
	5/11/94 10:20		5/16/94 12:20pm
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME

Subsurface Consultants, Inc.
 171 12TH STREET, SUITE 201, OAKLAND, CALIFORNIA 94607
 (510) 268-0461 • FAX: 510-268-0137

**Alameda County Department of Environmental Health
Hazardous Materials Division**

80 Swan Way, Rm. 200, Oakland, CA 94621
Ph: 510-271-4320

BILLING FOR SERVICES

STID#

A. Site Name MRCP Phone

Site Address 6707 Bay Street Emeryville
(If no address, description of area) Number Street City Zip

Prior Business Name Prior Owner's Name

B. Service Requestor Mike Buck Law Offices of Patrick Riddle (209)952-62
Contact Person Company Name Phone

Billing Address 7574 Shoreline Dr. Stockton CA 95209
Number Street City Zip

<u>Category of Service</u>		#Hours	x \$	/Hr	\$
<input checked="" type="checkbox"/> Site Search		<u>2</u>	x \$	<u>75.⁰⁰</u>	\$ <u>150.⁰⁰</u>
<input type="checkbox"/> File Search		_____	x \$	_____/Copy	\$ _____
<input type="checkbox"/> Other _____		_____	x \$	_____	\$ _____
					TOTAL CHARGE: \$ <u>150.⁰⁰</u>

REMARKS: Review files ; Copy service in ;

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You will receive an invoice in accordance with Article 11 of Chapter 6, Title 3 of the Ordinance Code of Alameda County

Service Requestor Mike Buck [Signature] Date 6/13/94
printed name signature

HazMat Specialist SUSAN HUGO [Signature] Date 6/13/94
printed name signature

**Alameda County Department of Environmental Health
Hazardous Materials Division**

80 Swan Way, Rm. 200, Oakland, CA 94621
Ph: 510-271-4320

BILLING FOR SERVICES

SHD# _____

A. Site Name MRCP Phone _____
 Site Address 6707 Bay Street Emeryville
(If no address, description of area) Number Street City Zip
 Prior Business Name _____ Prior Owner's Name _____

B. Service Requestor Mike Buck Law Offices of Patrick Riddle (209)952-6262
Contact Person Company Name Phone
 Billing Address 7574 Shoreline Dr. Stockton CA 95209
Number Street City Zip

Category of Service		#Hours	x \$	/Hr	\$
<input checked="" type="checkbox"/> Site Search		2	x \$	75. ⁰⁰	\$ 150. ⁰⁰
<input type="checkbox"/> File Search					
<input type="checkbox"/> Other					
					TOTAL CHARGE: \$ 150.⁰⁰

REMARKS: Review files ; Copy service in ;

You will receive an invoice in accordance with Article 11 of Chapter 6, Title 3 of the Ordinance Code of Alameda County

Service Requestor Mike Buck [Signature] Date 6/13/94
printed name signature
 HazMat Specialist SUSAN HUGO [Signature] Date 6/13/94
printed name signature

**Alameda County Department of Environmental Health
Hazardous Materials Division**

80 Swan Way, Rm. 200, Oakland, CA 94621
Ph: 510-271-4320

BILLING FOR SERVICES

SID# _____

A. Site Name NADY SYSTEMS Phone _____
 Site Address 6707 BAY STREET EMERYVILLE 94608
(if no address, description of area) Number Street City Zip
 Prior Business Name MIKE ROBERTS COLOR PRODUCTION Prior Owner's Name _____

B. Service Requestor R. Wainess, Esq. Pettit & Martin 4154344000
Contact Person Company Name Phone
 Billing Address 101 California St San Francisco CA 94111
Number Street City Zip

<u>Category of Service</u>		#Hours	x \$	Rate	= \$
<input checked="" type="checkbox"/> Site Search		<u>2.0</u>	x \$	<u>75.00</u> /Hr	\$ <u>150.00</u>
<input type="checkbox"/> File Search		<u>70</u>	x \$	<u>1.00</u> /Copy	\$ <u>70.00</u>
<input type="checkbox"/> Other _____			x \$		\$ _____
TOTAL CHARGE:					<u>\$220.00</u>

REMARKS: Review file & copy

You will receive an invoice in accordance with Article 11 of Chapter 6, Title 3 of the Ordinance Code of Alameda County

Service Requestor Robert L. Wainess [Signature] Date 4/13/94
printed name signature
 HazMat Specialist SUSAN L. HUGO [Signature] Date 4/13/94
printed name signature