

AQUA TERRA TECHNOLOGIES  
2950 Buskirk Avenue, Suite 120  
Walnut Creek, CA 94596  
Tel. (415) 934-4884  
Fax. (415) 934-0418

FAX TRANSMITTAL FORM

Date: 12/7/90 Retransmitted 12/10/90 due to transmittal problems 12/7.

Fax Trans To: Susan Hugo  
Alameda County Environmental Health

Location: \_\_\_\_\_

Fax Number: (415) 568-3706

From: Julesanne Fogley  
Staff Scientist

ATT Job Number: 9211

Number of Pages: 39  
(including cover)

Comments: As per your conversation with Terry Carter (12/6/90) I am sending analytical results for soils removed during tank removals and excavation activities at Children's Hospital, 747 52nd St. Oakland. Tank removal occurred on 10/9/90. Samples from the excavation of the gasoline tank are designated SP1; pit wall samples taken 10/9/90 from the gas tank pit are TSA1 & TSA2; the excavation soil and pit wall samples from the removal of the remaining tanks are designated SP2, TSA & TSB; Similarly soils excavated 10/17/90 from the

If transmitting problems occur, call \_\_\_\_\_ at (415) 934-4884.  
OF/FAX0522.FRM gasoline tank pit are designated SPA; tank pit wall samples are designated TSA through TSD; Those from the "2-tank" pit are designated SPB & TSE. Soils SP1 & SPA were transported to liquid Waste Management; Soils SP2 & SPB were transported to

Client Number: SFB-037-0152.72  
 Project ID: 9211  
 Work Order Number: CO-10-598

Table 1 (Continued)

## ANALYTICAL RESULTS

Aromatic Volatile Organics and  
 Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015<sup>a</sup>

GTEL Sample Number		05			
Client Identification		TSE			
Date Sampled		10/17/90			
Date Extracted		10/23/90			
Date Analyzed		10/25/90			
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005			
Toluene	0.005	<0.005			
Ethylbenzene	0.005	<0.005			
Xylene, total	0.015	<0.015			
BTEX, total	--	--			
TPH as Gasoline	1	<1			
Detection Limit Multiplier		1			

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986, Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.



Client Number: SFB-037-0152.72  
 Project ID: 9211  
 Work Order Number: CO-10-598

Table 1

## ANALYTICAL RESULTS

Aromatic Volatile Organics and  
 Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015<sup>a</sup>

GTEL Sample Number		01	02	03	04
Client Identification		TSA	TSB	TSC	TSD
Date Sampled		10/17/90	10/17/90	10/17/90	10/17/90
Date Extracted		10/23/90	10/23/90	10/23/90	10/23/90
Date Analyzed		10/31/90	10/25/90	10/25/90	10/30/90
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.05	<0.1	<0.05	<0.025
Toluene	0.005	<0.05	<0.1	0.05	<0.025
Ethylbenzene	0.005	5	15	10	5
Xylene, total	0.016	9	55	22	10
BTEX, total	--	14	70	32	15
TPH as Gasoline	1	55	70	1300	770
Detection Limit Multiplier		10	20	10	5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUPT Manual protocols, May 1988 revision.

**GTEL****ENVIRONMENTAL  
LABORATORIES, INC.****Northwest Region**

4080-C Pike Lane  
Concord, CA 94520  
(415) 685-7852  
(800) 544-3422 from inside California  
(800) 423-7143 from outside California  
(415) 825-0720 (FAX)

Client Number: SFB-037-0152.72  
Project ID: 9211  
Work Order Number: C0-10-598

November 8, 1990

Julieann Fegley  
Aqua Terra Technologies  
2950 Buskirk Ave., Ste. 120  
Walnut Creek, CA 94598

Enclosed please find the analytical results report prepared by GTEL for samples received on 10/22/90.


GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

A formal quality control/quality assurance program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project was performed in strict adherence to our QA/QC program to ensure sample integrity and to meet quality control criteria.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

  
Emma P. Popek  
Laboratory Director



Client Number: SFB-037-0152.72  
 Project ID: 9211  
 Work Order Number: C0-10-597

**Table 1**  
**ANALYTICAL RESULTS**  
**Organic Lead in Soil<sup>a</sup>**

a. California State Water Resources Control Board LUFT Manual, May 1988 revision.

GTEL Sample Number		01	02	03	04
Client Identification		TSA	TSB	TSC	TSD
Date Sampled		10/17/90	10/17/90	10/17/90	10/17/90
Date Prepared		10/23/90	10/23/90	10/23/90	10/23/90
Date Analyzed		10/23/90	10/23/90	10/23/90	10/23/90
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, organic	0.25	<0.25	1	0.66	<0.25
Detection Limit Multiplier		1	1	1	1

GTEL Sample Number		05			
Client Identification		TSE			
Date Sampled		10/17/90			
Date Prepared		10/23/90			
Date Analyzed		10/23/90			
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Lead, organic	0.25	<0.25			
Detection Limit Multiplier		1			

**Northwest Region**

4080-C Pike Lane

Concord, CA 94520

(415) 685-7852

(800) 544-3422 from inside California

(800) 423-7143 from outside California

(415) 825-0720 (FAX)

Client Number: SFB-037-0152.72  
Project ID: 9211  
Work Order Number: CO-10-597

November 6, 1990

Julieann Fegley  
Aqua Terra Technologies  
2950 Buskirk Ave., Ste. 120  
Walnut Creek, CA 94596

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Sincerely,

GTEL Environmental Laboratories, Inc.



Emma P. Popek  
Laboratory Director



Client Number: SFB-037-0152.72  
 Project ID: 9211  
 Work Order Number: CO-10-596

**Table 1**

**ANALYTICAL RESULTS**

Total Petroleum Hydrocarbons as Diesel in Soil

Modified EPA Methods 3550/8015<sup>a</sup>

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986.

GTEL Sample Number		01			
Client Identification		SPB			
Date Sampled		10/17/90			
Date Extracted		10/22/90			
Date Analyzed		10/22/90			
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10			
Detection Limit Multiplier		1			

# GTEL

ENVIRONMENTAL  
LABORATORIES, INC.

**Northwest Region**

4080-C Pike Lane  
Concord, CA 94520  
(415) 685-7852  
(800) 544-3422 from inside California  
(800) 423-7143 from outside California  
(415) 825-0720 (FAX)

Client Number: SFB-037-0152.72  
Project ID: 9211  
Work Order Number: CO-10-596

October 25, 1990

Julieann Fegley  
Aqua Terra Technologies  
2950 Buskirk Ave., Ste. 120  
Walnut Creek, CA 94596


Enclosed please find the analytical results report prepared by GTEL for samples received on 10/22/90.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

A formal quality control/quality assurance program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project was performed in strict adherence to our QA/QC program to ensure sample integrity and to meet quality control criteria.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,  
GTEL Environmental Laboratories, Inc.

  
Emma P. Popek  
Laboratory Director



Client Number: SFB-037-0152.72  
 Project ID: Not Given  
 Work Order Number: CO-10-595

Table 1

## ANALYTICAL RESULTS

Aromatic Volatile Organics and  
 Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015<sup>a</sup>

GTEL Sample Number		01	02		
Client Identification		SPA	SFB		
Date Sampled		10/17/90	10/17/90		
Date Extracted		10/22/90	10/22/90		
Date Analyzed		10/22/90	10/22/90		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	1	<0.005		
Toluene	0.005	0.06	0.01		
Ethylbenzene	0.005	3	<0.005		
Xylene, total	0.015	5	0.9		
BTEX, total	--	9	0.91		
TPH as Gasoline	1		*		
Detection Limit Multiplier		20	1		

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
- \* Hydrocarbon pattern found could be biodegraded gasoline, but more closely resembles mineral spirits.

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(800) 423-7143 from outside California  
(415) 825-0720 (FAX)

Client Number: SFB-037-0152.72  
Project ID: Not Given  
Work Order Number: C0-10-595

October 23, 1990

Julieann Fegley  
Aqua Terra Technologies  
2950 Buskirk Ave., Ste. 120  
Walnut Creek, CA 94596


Enclosed please find the analytical results report prepared by GTEL for samples received on 10/22/90.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

A formal quality control/quality assurance program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project was performed in strict adherence to our QA/QC program to ensure sample integrity and to meet quality control criteria.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,  
GTEL Environmental Laboratories, Inc.

  
Emma P. Popek  
Laboratory Director





10/24/90 mh

Page 1 of 1

ENVIRONMENTAL  
LABORATORIES, INC.

Northwest Region  
4080 Pike Lane  
Concord, CA 94520  
(415) 685-7852  
(800) 544-3422 from inside California  
(800) 423-7143 from outside California

WORK ORD#: C010594

CLIENT: Julieann Fegley  
Aqua Terra Technologies  
2950 Buskirk Ave., #120  
Walnut Creek, CA 94596

PROJECT#: SFB-037-0152.72  
JOB NUMBER: 9211

SAMPLED: 10/17/90 BY: D. Beardsley  
RECEIVED: 10/22/90  
ANALYZED: 10/23/90 BY: J. Kelly

MATRIX: Soil  
UNITS: mg/Kg (ppm)

PARAMETER	MDL	SAMPLE #	01	02				
	I.I.D.		SP-A	SP-B				
Lead (organic)	0.25		<0.25	<0.25				

MDL = Method Detection Limit; compound below this level would not be detected.  
Results rounded to two significant figures.  
METHOD: per California DHS (LUFT manual)

*Emma P. Popek / RMC*  
EMMA P. POPEK, Laboratory Director

ATT

SAMPLE COLLECTION RECORD - SOIL

Date: 10-17-90, Job No.: 9211 Page 1 of 2

Site Location: CHILDREN'S Hospital BB

Sample Location Sketch/Site Plan Attached?: Y / N

Samples from (check one):  Stockpile,  Excavation Pit,  
 Other (explain)/ \_\_\_\_\_

Sampling Equipment:  Hammer,  Spade-Shovel,  Hand Sampler,  
 Other (indicate)/ \_\_\_\_\_

Equipment Cleaning:  Triple Rinsed,  Steam Cleaned,  
 Other (indicate)/ \_\_\_\_\_

Sample Cont. Cleaning:  Pre-Cleaned,  Steam Cleaned,  
 Triple Rinsed,  Other (indicate)/ \_\_\_\_\_

Sample I.D.	No. of Cont.	No. of Dupli.	Lithology	Texture/Pliabil.	Moisture Content	Type of Contain	Coll. Time
SP A	1	<del>2</del>	POULY CLAY	STICKY	HIGH	2" BEANSURE	10:43
SP B	1	<del>2</del>	"	STICK	LOW	"	11:17

Sample Preservation: <sup>DRY</sup>  Iced Cooler,  Other/ \_\_\_\_\_

Notes: SPA SOIL VERY ~~POOR~~ STRONG ORDER  
SPB SOIL SLIGHT ORDER

*[Handwritten Signature]*



ATT

SAMPLE COLLECTION RECORD - SOIL

Date: 10 - 17 - 90, Job No.: 9211 Page 1 of 2

Site Location: CHILDRENS HOSPITAL JOB

Sample Location Sketch/Site Plan Attached?:  Y /  N

Samples from (check one):  Stockpile,  Excavation Pit,  
 Other (explain)/ \_\_\_\_\_

Sampling Equipment:  Hammer,  Spade-Shovel,  Hand Sampler,  
 Other (indicate)/ \_\_\_\_\_

Equipment Cleaning:  Triple Rinsed,  Steam Cleaned,  
 Other (indicate)/ \_\_\_\_\_

Sample Cont. Cleaning:  Pre-Cleaned,  Steam Cleaned,  
 Triple Rinsed,  Other (indicate)/ \_\_\_\_\_

Sample I.D.	No. of Cont.	No. of Dupli.	Lithology	Texture/Pliabil.	Moisture Content	Type of Contain	Coll. Time
TSA	1	<del>1</del>	CLAY	STICKY	MED	2" BRASS TUBE	9:46
TSB	1	<del>1</del>	"	"	"	"	9:53
TSC	1	<del>1</del>	ROCKY CLAY	STICKY	HIGH	"	10:07
TSD	1	<del>1</del>	ROCKY CLAY	"	"	"	10:35
TSE	1	<del>1</del>	CLAY	STICKY	MED	"	11:08

Sample Preservation:  Iced Cooler,  Other/ \_\_\_\_\_

Notes: Pres. Dry ICE

TSC TAKEN APPROX 19' <sup>VERY</sup> STRONG ODER. TSD TAKEN APPROX 19' <sup>VERY</sup> STRONG ODER  
 TSE TAKEN APPROX 12' ODER

4720 OUSKITE AVENUE 300, 120

Walnut Creek, CA 94596

Tel. (415) 934-4884

Fax. (415) 934-0418

# CO10594 A-3

# ATTN

CHAIN OF SAMPLE CUSTODY RECORD  
(original document, please return)

Page 1 of 1

Sampled By: DAND BEARDSLEY

Date Sampled: 10 / 17 / 90

Signature: [Signature]

Job Number: 9211

Results To Be Sent To: JULIENNA FEELY

Laboratory Name: GTEL

Results Needed By: 11-5-90

Contact: 685-7852 Pam

Sampling Location: CHECK REMARKS

Phone #: \_\_\_\_\_

Sample Identification						Analysis/EPA Method No.				
Sample Collection			Number of Containers	Preserved	Containers	ORGANIC LEAD	BIEX	TPH G	TPH D	Remarks
Sample ID	Time (24 hr)	Matrix								
TSA	9:46	SOIL	1	ICE	✓	✓	✓			STANDARD TURNAROUND
TSB	9:53	"	1	"	✓	✓	✓			STANDARD TURNAROUND
TSC	10:07	"	1	"	✓	✓	✓			STANDARD TURNAROUND
TSD	10:35	"	1	"	✓	✓	✓			"
TSE	11:08	"	1	"	✓	✓	✓			"
SPA	10:43	"	1	"	✓	✓	✓			24 HR. RUSH
SPB	11:17	"	1	"	✓	✓	✓			24 HR RUSH
:	:	:	:	:						
:	:	:	:	:						
:	:	:	:	:						

01  
02

SPB  
10/17/90

Notes: SOIL SAMPLES SPA & SPB NEED TO BE DONE 48 HR RUSH FOR ORGANIC LEAD

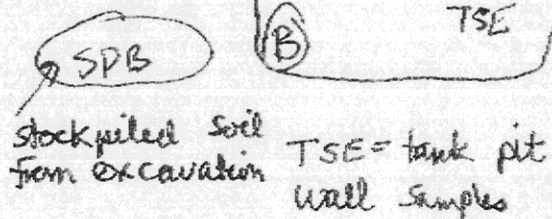
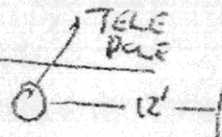
Relinquished By	Date	Time
<u>[Signature]</u>	<u>10-22-90</u>	<u>10:14</u>

Received By	Date	Time
<u>[Signature]</u>	<u>10-22</u>	<u>10:15</u>

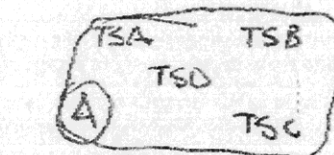


TOM DANIELS TO BACK-FILL HOLES  
A & B 10.17.90 - STARTING 11:40

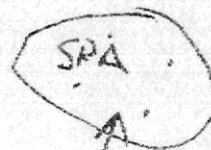
47 FT



JCB# 9211  
10.17.90



TSA-TSC are tank pit wall samples



stockpiled soil from excavation

Samples sent to G-Tel for analysis

ANALYSIS DATA SHEET - ORGANIC LEAD  
 ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9010138  
 Matrix : SOIL  
 Date Sampled : 10/09/90  
 Project Number: 9211

Date Prepared : 10/11/90  
 Date Analyzed : 10/12/90  
 Date Released : 10/12/90  
 Instrument I.D.: AA1

ELEMENTS	Organic Lead
EPA METHOD	LUFT
REPORTING LIMIT	0.08

ANAMETRIX ID	CLIENT ID	(mg/Kg)
9010138-03	TSA1	ND
9010138-04	TSA2	0.51
9010138-06	SF1	ND
OMB1011S	METHOD BLANK	ND

ND : Not detected at or above the practical quantitation limit for the method.

Organic Lead by Leaking Underground Fuel Tank (LUFT) Manual, 1987  
 California State Water Resources Control Board.

Oleg Nemchenok 10-15-90  
 Chemist Date

Wannyan 10-15-90  
 Chemist Date



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

TERRY CARTER  
AQUA TERRA TECHNOLOGIES  
2950 BUSKIRK AVENUE SUITE 120  
WALNUT CREEK, CA 94596

Workorder # : 9010138  
Date Received : 10/10/90  
Project ID : 9211  
Purchase Order: N/A  
Department : METALS  
Sub-Department: METALS

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Fred Schae 10-13-90  
Department Supervisor Date

Manny Guzman 10-15-90  
Chemist Date

REPORT SUMMARY  
ANAMETRIX, INC. (408)432-8192TERRY CARTER  
AQUA TERRA TECHNOLOGIES  
2950 BUSKIRK AVENUE SUITE 120  
WALNUT CREEK, CA 94596Workorder # : 9010138  
Date Received : 10/10/90  
Project ID : 9211  
Purchase Order: N/A  
Department : METALS  
Sub-Department: METALS

## SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9010138- 3	TSA1	SOIL	10/09/90	ORG Pb
9010138- 4	TSA2	SOIL	10/09/90	ORG Pb
9010138- 6	SP1	SOIL	10/09/90	ORG Pb



ANALYSIS DATA SHEET - TOTAL OIL AND GREASE  
 ANAMETRIX, INC. (408) 432-8192

Project # : 9211  
 Matrix : SOIL  
 Date sampled : 10/09/90  
 Date ext. TOG: 10/11/90  
 Date anl. TOG: 10/11/90

Anamatrix I.D. : 9010138  
 Analyst : *DD*  
 Supervisor : *(signature)*  
 Date released : 10/17/90

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9010138-01	TSC	30	ND
9010138-02	TSB	30	ND
9010138-05	SP2	30	ND
GSBL101190	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.

TOG - Total Oil & Grease is determined by Standard Method 5520EF.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

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

TERRY CARTER  
AQUA TERRA TECHNOLOGIES  
2950 BUSKIRK AVENUE SUITE 120  
WALNUT CREEK, CA 94596

Workorder # : 9010138  
Date Received : 10/10/90  
Project ID : 9211  
Purchase Order: N/A  
Department : PREP  
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

*Terry Carter*      Oct, 17<sup>th</sup> 1990.  
Department Supervisor      Date

*P. P. Desai*      10/17/90  
Chemist      Date



REPORT SUMMARY  
ANAMETRIX, INC. (408)432-8192TERRY CARTER  
AQUA TERRA TECHNOLOGIES  
2950 BUSKIRK AVENUE SUITE 120  
WALNUT CREEK, CA 94596Workorder # : 9010138  
Date Received : 10/10/90  
Project ID : 9211  
Purchase Order: N/A  
Department : PREP  
Sub-Department: PREP

## SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9010138- 1	TSC	SOIL	10/09/90	5520EF
9010138- 2	TSB	SOIL	10/09/90	5520EF
9010138- 5	SP2	SOIL	10/09/90	5520EF

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBON AS ~~DIESEL~~  
 ANAMETRIX, INC. (408) 432-8192

Anamatrix W.O.#: 9010138  
 Matrix : SOIL  
 Date Sampled : 10/09/90  
 Date Extracted : 10/11/90

Client Project# : 9211  
 Date released : 10/17/90  
 Instrument I.D. : HP19

Anamatrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9010138-01	TSC	10/11/90	10	ND
9010138-02	<del>TSC</del>	10/12/90	10	<del>1100</del>
9010138-05	SP2	10/12/90	10	31
DSBL101190	METHOD BLANK	10/11/90	10	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHD - Total Petroleum Hydrocarbons as diesel is determined by GC/FID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

C. Z 10.17.90  
 Analyst Date

Charles Palmer 10/17/90  
 supervisor Date



ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS  
 (GASOLINE WITH BTEX)  
 ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.#: 9010138  
 Matrix : SOIL  
 Date Sampled : 10/09/90

Project Number : 9211  
 Date Released : 10/17/90

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# SP1	Sample I.D.# 08B1013C	Sample I.D.# 04B1015A
Benzene	0.005	ND	ND	ND
Toluene	0.005	ND	ND	ND
Ethylbenzene	0.005	ND	ND	ND
Total Xylenes	0.005	ND	ND	ND
TPH as Gasoline	0.5	ND	ND	ND
% Surrogate Rec.		71%	98%	105%
Instrument #		HP4	HP8	HP4
Date Analyzed		10/15/90	10/13/90	10/15/90
RLMF		1	1	1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.
- RLMF - Reporting Limit Multiplication Factor.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

*[Signature]*  
 Analyst 10.17.90  
 Date

*[Signature]*  
 Supervisor 10/17/90  
 Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS  
 (GASOLINE WITH BTEX)  
 ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.#: 9010138  
 Matrix : SOIL  
 Date Sampled : 10/09/90

Project Number : 9211  
 Date Released : 10/17/90

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# TSC	Sample I.D.# TSB	Sample I.D.# TSA1	Sample I.D.# TSA2	Sample I.D.# SP2
Benzene	0.005	ND	ND	ND	ND	ND
Toluene	0.005	ND	ND	0.017	1.5	ND
Ethylbenzene	0.005	ND	0.13	0.039	7.8	ND
Total Xylenes	0.005	ND	1.0	0.061	9.3	ND
TPH as Gasoline	0.5	ND	38	5.0	590	ND
% Surrogate Rec.		50%	110%	85%	120%	78%
Instrument #		HP4	HP4	HP4	HP8	HP4
Date Analyzed		10/15/90	10/15/90	10/15/90	10/13/90	10/15/90
RLMF		1	25	1	100	1

ND - Not detected at or above the practical quantitation limit for the method.  
 TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GC/FID using EPA Method 5030.  
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.  
 RLMF - Reporting Limit Multiplication Factor.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

*[Signature]*  
 Analyst 10.17.90  
 Date

*[Signature]*  
 Supervisor 10/17/90  
 Date



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

TERRY CARTER  
AQUA TERRA TECHNOLOGIES  
2950 BUSKIRK AVENUE SUITE 120  
WALNUT CREEK, CA 94596

Workorder # : 9010138  
Date Received : 10/10/90  
Project ID : 9211  
Purchase Order: N/A  
Department : GC  
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for workorder.

Cheryl Balmer 10/17/90  
Department Supervisor Date

C. K. 10.17.90  
Chemist Date

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

TERRY CARTER  
AQUA TERRA TECHNOLOGIES  
2950 BUSKIRK AVENUE SUITE 120  
WALNUT CREEK, CA 94596

Workorder # : 9010138  
Date Received : 10/10/90  
Project ID : 9211  
Purchase Order: N/A  
Department : GC  
Sub-Department: TPH

## SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9010138- 1	TSC	SOIL	10/09/90	TPHd
9010138- 2	TSE	SOIL	10/09/90	TPHd
9010138- 5	SP2	SOIL	10/09/90	TPHd
9010138- 1	TSC	SOIL	10/09/90	TPHg/BTEX
9010138- 2	TSE	SOIL	10/09/90	TPHg/BTEX
9010138- 3	TSA1	SOIL	10/09/90	TPHg/BTEX
9010138- 4	TSA2	SOIL	10/09/90	TPHg/BTEX
9010138- 5	SP2	SOIL	10/09/90	TPHg/BTEX
9010138- 6	SP1	SOIL	10/09/90	TPHg/BTEX



HALOGENATED VOLATILE RECOVERY REPORT  
EPA METHOD 601/8010  
ANAMETRIX, INC. (408)432-8192

Sample I.D. : METHOD SPIKE  
Matrix : WATER  
Date sampled : NA  
Date analyzed : 10/11/90

Anamatrix I.D. : SPK1011  
Analyst : *mf*  
Supervisor : *CP*  
Date released : 10/18/90  
Instrument I.D. : HP10

COMPOUND	SPIKE AMT. (ug/L)	MS (ug/L)	REC MS	MSD (ug/L)	REC MSD	RPD	%REC LIMITS
1,1-DICHLOROETHENE	4	2.7	69%	3.3	83%	-19%	41 - 110
METHYLENE CHLORIDE	20	23.2	116%	24.9	125%	-7%	60 - 122
trans-1,2-DICHLOROETHENE	4	3.1	78%	3.0	75%	3%	47 - 126
1,1-DICHLOROETHANE	4	5.4	135%	5.3	133%	2%	67 - 124
1,1,1-TRICHLOROETHANE	4	3.4	85%	3.5	88%	-3%	50 - 123
CARBON TETRACHLORIDE	4	4.1	103%	4.2	105%	-2%	55 - 121
1,2-DICHLOROETHANE	4	5.1	128%	5.0	125%	2%	57 - 131
TRICHLOROETHENE	4	4.2	105%	4.3	108%	-2%	51 - 131
1,2-DICHLOROPROPANE	4	5.9	148%	5.8	145%	2%	74 - 127
cis-1,3-DICHLOROPROPENE	5	5.1	102%	5.2	104%	-2%	61 - 111
trans-1,3-DICHLOROPROPENE	3	2.7	90%	2.8	93%	-4%	55 - 131
1,1,2-TRICHLOROETHANE	4	4.5	113%	4.7	118%	-4%	77 - 131
TETRACHLOROETHENE	4	5.5	138%	5.7	143%	-4%	70 - 136
CHLOROBENZENE	20	23.7	119%	24.1	121%	-2%	72 - 128
1,1,2,2-TETRACHLOROETHANE	4	4.7	118%	4.4	110%	7%	71 - 119
1,3-DICHLOROBENZENE	20	19.0	95%	19.9	100%	-5%	67 - 120
1,4-DICHLOROBENZENE	20	18.4	92%	22.0	110%	-18%	61 - 109
1,2-DICHLOROBENZENE	20	20.3	102%	19.7	99%	3%	70 - 119

\* Limits based on data generated by Anamatrix, Inc., July 1990.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK  
Matrix : SOIL  
Date sampled : N/A  
Date analyzed : 10/18/90  
Dilution : NONE

Anamatrix I.D. : 10B1018H02  
Analyst : *mk*  
Supervisor : *CP*  
Date released : 10/17/90  
Instrument ID : HP10

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	ND
79-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethene	0.5	ND
75-34-3	* 1,1-Dichloroethane	0.5	ND
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	ND
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	ND
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
% Surrogate Recovery		33-134%	98%

ND : Not detected at or above the practical quantitation limit for the method.

\* A 601/8010 approved compound (Federal Register, 10/26/84).

# A compound added by Anamatrix, Inc.



ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK  
Matrix : SOIL  
Date sampled : N/A  
Date analyzed: 10/11/90  
Dilution : NONE

Anamatrix I.D. : 10B1011H01  
Analyst : *mk*  
Supervisor : *CP*  
Date released : 10/17/90  
Instrument ID : HP10

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	4.6
79-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethene	0.5	ND
75-34-3	* 1,1-Dichloroethane	0.5	ND
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	ND
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	ND
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
% Surrogate Recovery		33-134%	108%

ND : Not detected at or above the practical quantitation limit for the method.

\* A 601/8010 approved compound (Federal Register, 10/26/84).

# A compound added by Anamatrix, Inc.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9211 SP2  
Matrix : SOIL  
Date sampled : 10/09/90  
Date analyzed : 10/18/90  
Dilution : NONE

Anamatrix I.D. : 9010138-05  
Analyst : *mh*  
Supervisor : *CP*  
Date released : 10/17/90  
Instrument ID : HP10

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	ND
79-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethane	0.5	ND
75-34-3	* 1,1-Dichloroethane	0.5	ND
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	ND
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	ND
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
% Surrogate Recovery		33-134%	89%

ND : Not detected at or above the practical quantitation limit for the method.

\* A 601/8010 approved compound (Federal Register, 10/26/84).  
# A compound added by Anamatrix, Inc.



ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9211 TSB  
Matrix : SOIL  
Date sampled : 10/09/90  
Date analyzed: 10/12/90  
Dilution : 100

Anametrix I.D. : 9010138-02  
Analyst : *msh*  
Supervisor : *CP*  
Date released : 10/17/90  
Instrument ID : HP10

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	100	ND
74-83-9	* Bromomethane	50	ND
75-71-8	* Dichlorodifluoromethane	100	ND
75-01-4	* Vinyl Chloride	50	ND
75-00-3	* Chloroethane	50	ND
75-09-2	* Methylene Chloride	50	ND
79-69-4	* Trichlorofluoromethane	50	ND
75-35-4	* 1,1-Dichloroethene	50	ND
75-34-3	* 1,1-Dichloroethane	50	ND
156-59-2	# Cis-1,2-Dichloroethene	50	ND
156-60-5	* Trans-1,2-Dichloroethene	50	ND
67-66-3	* Chloroform	50	ND
76-13-1	# Trichlorotrifluoroethane	50	ND
107-06-2	* 1,2-Dichloroethane	50	ND
71-55-6	* 1,1,1-Trichloroethane	50	ND
56-23-5	* Carbon Tetrachloride	50	ND
75-27-4	* Bromodichloromethane	50	ND
78-87-5	* 1,2-Dichloropropane	50	ND
10061-02-6	* Trans-1,3-Dichloropropene	50	ND
79-01-6	* Trichloroethene	50	ND
124-48-1	* Dibromochloromethane	50	ND
79-00-5	* 1,1,2-Trichloroethane	50	ND
10061-01-5	* cis-1,3-Dichloropropene	50	ND
110-75-8	* 2-Chloroethylvinylether	100	ND
75-25-2	* Bromoform	50	ND
127-18-4	* Tetrachloroethene	50	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	50	ND
108-90-7	* Chlorobenzene	50	ND
541-73-1	* 1,3-Dichlorobenzene	100	ND
95-50-1	* 1,2-Dichlorobenzene	100	ND
106-46-7	* 1,4-Dichlorobenzene	100	ND
	% Surrogate Recovery	33-134%	101%

ND : Not detected at or above the practical quantitation limit for the method.

\* A 601/8010 approved compound (Federal Register, 10/26/84).

# A compound added by Anametrix, Inc.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9211 TSC  
Matrix : SOIL  
Date sampled : 10/09/90  
Date analyzed: 10/12/90  
Dilution : NONE

Anamatrix I.D. : 9010138-01  
Analyst : *ml*  
Supervisor : *CP*  
Date released : 10/17/90  
Instrument ID : HP10

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	ND
79-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethene	0.5	ND
75-34-3	* 1,1-Dichloroethane	0.5	ND
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	ND
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	ND
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
	% Surrogate Recovery	33-134%	63%

ND : Not detected at or above the practical quantitation limit for the method.

\* A 601/8010 approved compound (Federal Register, 10/26/84).

# A compound added by Anamatrix, Inc.



REPORT SUMMARY  
ANAMETRIX, INC. (408)432-8192TERRY CARTER  
AQUA TERRA TECHNOLOGIES  
2950 BUSKIRK AVENUE SUITE 120  
WALNUT CREEK, CA 94596Workorder # : 9010138  
Date Received : 10/10/90  
Project ID : 9211  
Purchase Order: N/A  
Department : GC  
Sub-Department: VOA

## QA/QC SUMMARY :

- Due to interfering hydrocarbon peaks, sample TSB was analyzed at a 1:100 dilution.

Corinne Khan  
Department Supervisor

10-18-90  
Date

M. Harrison  
Chemist

10-18-90  
Date

REPORT SUMMARY  
ANAMETRIX, INC. (408)432-8192TERRY CARTER  
AQUA TERRA TECHNOLOGIES  
2950 BUSKIRK AVENUE SUITE 120  
WALNUT CREEK, CA 94596Workorder # : 9010138  
Date Received : 10/10/90  
Project ID : 9211  
Purchase Order: N/A  
Department : GC  
Sub-Department: VOA

## SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9010138- 1	TSC	SOIL	10/09/90	8010
9010138- 2	TSB	SOIL	10/09/90	8010
9010138- 5	SP2	SOIL	10/09/90	8010



**ANAMETRIX INC**

Environmental & Analytical Chemistry  
1961 Concourse Drive, Suite E, San Jose, CA 95131  
(408) 432-8192 • Fax (408) 432-8198

**REPORT**

TERRY CARTER  
AQUA TERRA TECHNOLOGIES  
2950 BUSKIRK AVENUE SUITE 120  
WALNUT CREEK, CA 94596

Workorder # : 9010138  
Date Received : 10/10/90  
Project ID : 9211  
Purchase Order: N/A

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

ANAMETRIX ID	CLIENT SAMPLE ID
9010138- 1	TSC
9010138- 2	TSB
9010138- 3	TSA1
9010138- 4	TSA2
9010138- 5	SP2
9010138- 6	SP1

This report is paginated for your convenience and ease of review. It contains 17 pages excluding the cover letter. The report is organized into sections. Each section contains all analytical results and quality assurance data related to a specific group or section within Anamatrix. The Report Summary that precedes each section will help you determine which group at Anamatrix generated the data. The Report Summary will contain the signatures of the department supervisor and a chemist, both of whom reviewed the analytical data. Please refer all questions to the department supervisor that signed the form.

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.

  
Burt Sutherland  
Laboratory Director

10-13-90  
Date

ATT

SAMPLE COLLECTION RECORD - SOIL

Date: 10-9-90, Job No.: 9211 Page 1 of 1

Site Location: \_\_\_\_\_

Sample Location Sketch/Site Plan Attached?: Y / N

Samples from (check one): \_\_\_\_\_ Stockpile,  Excavation Pit,  
 \_\_\_\_\_ Other (explain)/ TANK REMOVAL

Sampling Equipment: \_\_\_\_\_ Hammer, \_\_\_\_\_ Spade-Shovel,  Hand Sampler,  
 \_\_\_\_\_ Other (indicate)/ \_\_\_\_\_

Equipment Cleaning:  Triple Rinsed, \_\_\_\_\_ Steam Cleaned,  
 \_\_\_\_\_ Other (indicate)/ \_\_\_\_\_

Sample Cont. Cleaning:  Pre-Cleaned, \_\_\_\_\_ Steam Cleaned,  
 \_\_\_\_\_ Triple Rinsed, \_\_\_\_\_ Other (indicate)/ \_\_\_\_\_

Sample I.D.	No. of Cont.	No. of Dupli.	Lithology	Texture/Pliabil.	Moisture Content	Type of Contain	Coll. Time
TSC	1	<del>0</del>		CRUMBLY	LOW	BRASS 2" TUBE	10:00
TSB	1	<del>0</del>		CRUMBLY	MED	"	10:20
TSA 1	1	<del>0</del>		STICKY	MED	"	10:27
TSA 2	1	<del>0</del>		CRUMBLY	MED	"	10:30
SP 2	1	<del>0</del>		CRUMBLY	LOW	"	10:45
SP 1	1	<del>0</del>		STICKY	MED	"	10:52

Sample Preservation:  Iced Cooler, \_\_\_\_\_ Other/ \_\_\_\_\_

Notes: TANK HOLE 'B' HAD ODER., TANK HOLE 'A' HAD ODER

720 10



ATT

SAMPLE COLLECTION RECORD - SOIL

Date: 10-9-90, Job No.: \_\_\_\_\_ Page 1 of 1

Site Location: \_\_\_\_\_

Sample Location Sketch/Site Plan Attached?: Y / N

Samples from (check one): \_\_\_\_\_ Stockpile,  Excavation Pit,  
 \_\_\_\_\_ Other (explain)/ TANK REMOVAL

Sampling Equipment: \_\_\_\_\_ Hammer, \_\_\_\_\_ Spade-Shovel,  Hand Sampler,  
 \_\_\_\_\_ Other (indicate)/ \_\_\_\_\_

Equipment Cleaning:  Triple Rinsed, \_\_\_\_\_ Steam Cleaned,  
 \_\_\_\_\_ Other (indicate)/ \_\_\_\_\_

Sample Cont. Cleaning:  Pre-Cleaned, \_\_\_\_\_ Steam Cleaned,  
 \_\_\_\_\_ Triple Rinsed, \_\_\_\_\_ Other (indicate)/ \_\_\_\_\_

Sample I.D.	No. of Cont.	No. of Dupli.	Lithology	Texture/Pliability	Moisture Content	Type of Container	Coll. Time
TSC	1	<del>0</del>		CRUMBLY	LOW	BRASS 2" TUBE	10:00
TSB	1	<del>0</del>		CRUMBLY	MED	"	10:26
TSA 1	1	<del>0</del>		STICKY	MED	"	10:27
TSA 2	1	<del>0</del>		CRUMBLY	MED	"	10:30
SP 2	1	<del>0</del>		CRUMBLY	LOW	"	10:45
SP 1	1	<del>0</del>		STICKY	MED	"	10:52

Sample Preservation:  Iced Cooler, \_\_\_\_\_ Other/ \_\_\_\_\_

Notes: TANK HOLE 'B' HAD ODER, TANK HOLE 'A' HAD ODER

*[Handwritten signature]*

15-20  
Aqua Terra Technologies

2950 Buskirk Avenue Ste. 120

Walnut Creek, CA 94596

Tel. (415) 934-4884

Fax. (415) 934-0418

9010138

(2)

ATT

CHAIN OF SAMPLE CUSTODY RECORD  
(original document, please return)

Page 1 of 1

Sampled By: DAVID BOARDSLEY

Date Sampled: 10 / 9 / 1990

Signature: [Signature]

Job Number: 9211

Results To Be Sent To: TERRY CARTER

Laboratory Name: Accumatrix

Results Needed By: 10 HR. TURNAROUND

Contact: \_\_\_\_\_

Sampling Location: \_\_\_\_\_

Phone #: \_\_\_\_\_

Sample Identification						Analysis/EPA Method No.							
Sample Collection			Number of Containers	Preserved	Containers	BTEX	TPH-G	TPH-D	TOG	CL500 HC	SYNHC	TOTAL LEAD	Remarks
Sample ID	Time (24 hr)	Matrix											
TSC	10:00	SOIL	1	*	1	✓	✓	✓	✓	✓	✓	✓	NO
TSB	10:26	SOIL	1	*	1	✓	✓	✓	✓	✓	✓	✓	NO
TSA 1	10:27	"	1	*	1	✓	✓						
TSA 2	10:30	"	1	*	1	✓	✓						
SP 2	10:45	"	1	*	1	✓	✓	✓	✓	✓	✓	✓	NO
SP 1	10:52	"	1	*	1	✓	✓	✓	✓	✓	✓	✓	NO
:	:	:	:	:	:								
:	:	:	:	:	:								
:	:	:	:	:	:								
:	:	:	:	:	:								

Notes: \* = w/ DRY ICE

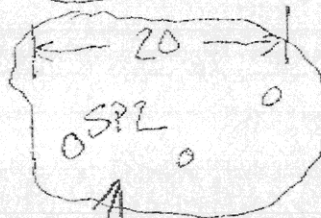
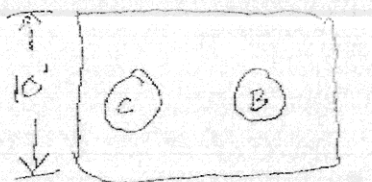
Relinquished By	Date	Time
[Signature]	10-10-90	10:45
[Signature]	10-10-90	13:10
:	:	:

Received By	Date	Time
[Signature]	10/10/90	10:45
[Signature]	10/10/90	13:10
:	:	:

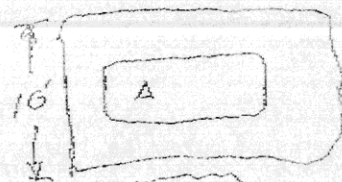


of 7 Tanks

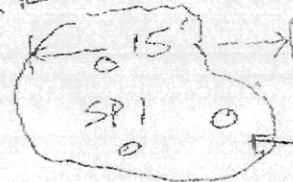
TSB & TSC are tank pit wall samples.



Stockpiled soils from excavation



TSA1 & TSA2 a tank pit wall samples



stockpiled soils from excavation

ALL TANKS PULLED 9:50 - 9:55 AM  
10-9-90

Samples sent to Anametric for analysis