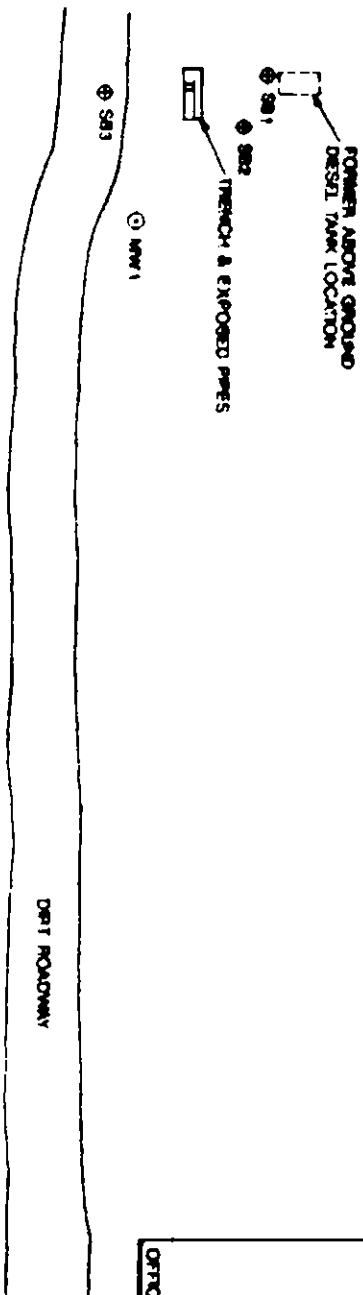
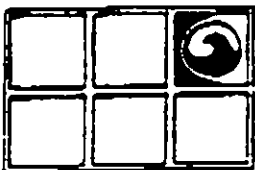


AAA EQUIPMENT COMPANY
748 SOUTH AVENUE
OAKLAND, CALIFORNIA

LEGEND
⊙ MONITORING WELL
⊕ SOIL BOREHOLE



*AAA Equip
Rental
1 pg. missing*



**GROUNDWATER
TECHNOLOGY, INC.**
GIL RECOVERY SYSTEMS

4080 Pike Lane, Suite A, Concord, CA 94520-1227 (415) 671-2387

TELECOPY MESSAGE

DATE: 11/16/89 TIME: 12:12 pm

TO: LARRY SEID

FROM: JANORA LINDSEY

JOB#: 203-899-1017

TELECOPY#: 415-568-3706
Groundwater Technology Inc.

Number of pages (including cover page): 13

If you did not receive any of the pages, please call
(415) 671-2387



11/09/89 sp

Page 1 of 1

ENVIRONMENTAL LABORATORIES, INC.

WORK ORD#: C910587
 CLIENT: SANDRA LINDSEY
 GROUNDWATER TECHNOLOGY, INC.
 4080-D PIKE LANE
 CONCORD, CA 94520
 PROJECT#: 203-899-1017-8
 LOCATION: OAKLAND, CA

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

SAMPLED: 10/23/89 BY: C. ROBERTSON
 RECEIVED: 10/24/89
 ANALYZED: 11/04/89 BY: R. MARTINO

MATRIX: Soil
 UNITS: ug/Kg (ppb)

PARAMETER	DL	SAMPLE # I.D.	01 MW1C	02 SB1R	03 SB2S	04 SB3C
Chloromethane	500		<500	<500	<500	<500
Bromomethane	500		<500	<500	<500	<500
Vinyl chloride	500		<500	<500	<500	<500
Chloroethane	500		<500	<500	<500	<500
Methylene chloride	250		<250	<250	<250	<250
Acetone	5000		<5000	<5000	<5000	<5000
Carbon disulfide	250		<250	<250	<250	<250
1,1-Dichloroethene	250		<250	<250	<250	<250
1,1-Dichloroethane	250		<250	<250	<250	<250
trans-1,2-Dichloroethene	250		<250	<250	<250	<250
Chloroform	250		<250	<250	<250	<250
1,2-Dichloroethane	250		<250	<250	<250	<250
2-Butanone	5000		<5000	<5000	<5000	<5000
1,1,1-Trichloroethane	250		<250	<250	<250	<250
Carbon tetrachloride	250		<250	<250	<250	<250
Vinyl acetate	2500		<2500	<2500	<2500	<2500
Bromodichloromethane	250		<250	<250	<250	<250
1,2-Dichloropropane	250		<250	<250	<250	<250
cis-1,3-Dichloropropene	250		<250	<250	<250	<250
Trichloroethene	250		<250	<250	<250	<250
Dibromochloromethane	250		<250	<250	<250	<250
1,1,2-Trichloroethane	250		<250	<250	<250	<250
Benzene	250		<250	<250	<250	1400
trans-1,3-Dichloropropene	250		<250	<250	<250	<250
2-Chloroethylvinylether	500		<500	<500	<500	<500
Bromoform	250		<250	<250	<250	<250
4-Methyl-2-pentanone	2500		<2500	<2500	<2500	<2500
2-Hexanone	2500		<2500	<2500	<2500	<2500

DL = Detection Limit; compound below this level would not be detected.
 Results rounded to two significant figures.

METHOD: EPA 8240



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

10/30/89 sp

Page 1 of 2

WORK ORD#: C910586
 CLIENT: SANDRA LINDSEY
 GROUNDWATER TECHNOLOGY, INC.
 4080-D PIKE LANE
 CONCORD, CA 94520
 PROJECT#: 203-899-1017-7
 LOCATION: OAKLAND, CA

SAMPLED: 10/24/89 BY: C. ROBERTSON
 RECEIVED: 10/24/89
 ANALYZED: 10/27/89 BY: J. FLORO
 S. MOORE
 MATRIX: Soil
 UNITS: mg/Kg (ppm)

PARAMETER	MDL	SAMPLE # I.I.D.	01 MW1A	02 MW1C	03 SB1A	04 SB1B	05 SB2A
Total Petroleum Hydrocarbons	5		240	87	30	<5	<5



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

11/01/89 SP

PAGE 1 OF 2

WORK ORD#: C910585
 CLIENT: SANDRA LINDSEY
 GROUNDWATER TECHNOLOGY, INC.
 4080-D PIKE LANE
 CONCORD, CA 94520
 PROJECT#: 203-899-1017-6
 LOCATION: 745 50TH AVENUE
 OAKLAND, CA

SAMPLED: 10/23/89 BY: C. ROBERTSON
 RECEIVED: 10/24/89 BY: L. SOUSEK
 ANALYZED: 11/01/89 BY: J. FLORO
 S. MOORE
 MATRIX: SOIL
 UNITS: mg/Kg (ppm)

TEST RESULTS

PARAMETER	MDL	SAMPLE # I.I.D.	01 MW 1A	02 MW 1C	03 SB 1A	04 SB 1B	05 SB 2A
Total Oil and Grease	5		170	440	170	<5	<5

MDL = Method Detection limit; compound below this level would not be detected.
 Results rounded to two significant figures.

METHOD: EPA 3050/APHA STANDARD METHOD 503B



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#: C910586

CLIENT: SANDRA LINDSEY
PROJECT#: 203-899-1017-7
LOCATION: OAKLAND, CA

MATRIX: Soil
UNITS: mg/Kg (ppm)

PARAMETER	MDL	SAMPLE #	06	07	08
		I.I.D.	SB2B	SB3A	SB3C

Total Petroleum Hydrocarbons	5	22	5900	590
------------------------------	---	----	------	-----

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: EPA 3550/APHA Standard Methods 503E/IR

Emma P. Popek
EMMA P. POPEK, Laboratory Director



4080- Pike Lane
Concord, CA 94520
415-685-7852

800-544-3422 (In CA)
800-423-7143 (Outside CA)

**CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST**

72- 6460

CUSTODY RECORD

ANALYSIS REQUEST

Project Manager: SANDRA LINDSEY Phone #: 671-23877
Address: 745 20th Avenue Site location: OAKLAND
Project Number: 203-899-1017 Project Name: APA Equipment Company

I attest that the proper field sampling procedures were used during the collection of these samples. Sampler Name (Print): Craig Robulson

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix					Method Preserved					Sampling	
				WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO ₃	H ₂ SO ₄	ICE	NONE	OTHER	DATE
HW1A	2.5-3'				X						X			10/23	11:10
HW1C	8.5-9'				X						X				11:35
SB1A	5.0-5.5'				X						X				14:55
SB1B	6.5-7.0'				X						X				14:58
SB2A	5.5-6.0'				X						X				15:30
SB2B	5.0-6.5'				X						X				15:31
SB3A	3.5-4.0'				X						X				15:50
SB3C	6.5-7.0'				X						X				16:00

BTEX 602 <input type="checkbox"/>	8020 <input type="checkbox"/>	with MTBE <input type="checkbox"/>
STEX/TPH Gas 602/8015 <input type="checkbox"/>	8020/8015 <input type="checkbox"/>	MTBE <input type="checkbox"/>
TPH as <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Jet Fuel <input type="checkbox"/>		
Product I.D. by GC (SIMD)S <input type="checkbox"/>		
Total Oil & Grease 413.1 <input type="checkbox"/>	413.2 <input type="checkbox"/>	503A <input type="checkbox"/>
Total Petroleum Hydrocarbons 418.1 <input type="checkbox"/>	503E <input type="checkbox"/>	
EPA 601 <input type="checkbox"/>	3010 <input type="checkbox"/>	DCA only <input type="checkbox"/>
EPA 602 <input type="checkbox"/>	8020 <input type="checkbox"/>	
EPA 603 <input type="checkbox"/>	8080 <input type="checkbox"/>	PCBs only <input type="checkbox"/>
EPA 610 <input type="checkbox"/>	8310 <input type="checkbox"/>	
EPA 624 <input type="checkbox"/>	8240 <input checked="" type="checkbox"/>	NBS #15 <input type="checkbox"/>
EPA 625 <input type="checkbox"/>	8270 <input type="checkbox"/>	NBS #25 <input type="checkbox"/>
EPTOX Metals <input type="checkbox"/>	Pesticides <input type="checkbox"/>	Herbicides <input type="checkbox"/>
TCLP Metals <input type="checkbox"/>	VOA <input type="checkbox"/>	Semi VOA <input type="checkbox"/>
EPA Priority Pollutant Metals <input type="checkbox"/>	HSL <input type="checkbox"/>	
LEAD 7420 <input type="checkbox"/>	7421 <input type="checkbox"/>	239.2 <input type="checkbox"/>
6010 <input type="checkbox"/>	Org. Lead <input type="checkbox"/>	
CAM Metals <input type="checkbox"/>	STLC <input type="checkbox"/>	TTLIC <input type="checkbox"/>
Corrosivity <input type="checkbox"/>	Flashpoint <input type="checkbox"/>	Reactivity <input type="checkbox"/>

SPECIAL HANDLING

24 HOURS

EXPEDITED 48 Hours

SEVEN DAY

OTHER _____ (#) BUSINESS DAYS

QA/QC CLP Level Blue Level

FAX

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS

Lab Use Only

Storage Location

Lot #:

Work Order #:

Relinquished by: <u>Craig Robulson</u>	Time	Date	Received by: <u>Sandra Lindsey</u>	Time	Date
Relinquished by: <u>Sandra Lindsey</u>		10/24/89	Received by: <u>Sandra Lindsey</u>	9:30 AM	10/24/89
Relinquished by:		10/24	Received by: <u>Sandra Lindsey</u>		10/24



Page 1 of 1
Continued

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#: C910587

CLIENT: SANDRA LINDSEY
PROJECT#: 203-899-1017-A
LOCATION: OAKLAND, CA

MATRIX: Soil
UNITS: ug/Kg (005)

PARAMETER	DL	SAMPLE # I.D.	01 MWIC	02 SB1B	03 SB2B	04 SB3C
Tetrachloroethene	250		(250)	(250)	(250)	(250)
1,1,2,2-Tetrachloroethane	250		(250)	(250)	(250)	(250)
Toluene	250		(250)	2500	(250)	450
Chlorobenzene	250		(250)	(250)	(250)	(250)
Ethylbenzene	250		4000	(250)	(250)	7500
Styrene	250		(250)	(250)	(250)	(250)
1,2-Dichlorobenzene	250		(250)	(250)	(250)	(250)
1,3-Dichlorobenzene	250		(250)	(250)	(250)	(250)
1,4-Dichlorobenzene	250		(250)	(250)	(250)	(250)
Xylene (total)	250		5500	(250)	(250)	14000
Trichlorofluoromethane	250		(250)	550	(250)	(250)

DL = Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: EPA 8240

Emma P. Popek
EMMA P. POPEK, Laboratory Director



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#: C910585
 CLIENT: SANDRA LINDSEY
 PROJECT#: 203-899-1017-6
 LOCATION: 745 50TH AVENUE

TEST RESULTS

MATRIX: SOIL
 UNITS: mg/Kg (ppm)

PARAMETER	MDL	SAMPLE #	06	07	08
		I. D.	SB 2B	SB 3A	SB 3C

Total Oil and Grease	5	90	9200	240
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MDL = Method Detection Limit; compound below this level would not be detected.
 Results rounded to two significant figures.

METHOD: EPA 3550/APHA STANDARD METHOD 503B

Emma P. Popek
 EMMA P. POPEK, Laboratory Director



11/07/89 SP

Page 1 of 1

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#: C910580
CLIENT: SANDRA LINDSEY
GROUNDWATER TECHNOLOGY, INC.
4080-D PIKE LANE
CONCORD, CA 94520

PROJECT#: 203-899-1017-1
LOCATION: OAKLAND, CA

SAMPLED: 10/24/89 BY: C. ROBERTSON
RECEIVED: 10/24/89
ANALYZED: 10/31/89 BY: D. VLAHOJANI

MATRIX: ~~Water~~
UNITS: ug/L (ppb)

PARAMETER	MDL	SAMPLE #	01				
		I.I.D.	MWI				

Total Petroleum 10
Hydrocarbons
as Diesel

200

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: Modified EPA 3510/8015

Emma P. Popek
EMMA P. POPEK, Laboratory Director



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

10/30/89 sp

PAGE 1 OF 1

WORK ORD#: C910581
CLIENT: SANDRA LINDSEY
GROUNDWATER TECHNOLOGY, INC.
745 50TH AVENUE
OAKLAND, CA
PROJECT#: 203-899-1017-2
LOCATION: OAKLAND

SAMPLED: 10/24/89 BY: C. ROBERTSON
RECEIVED: 10/24/89 BY: K. FILLINGFR
ANALYZED: 10/30/89 BY: J. FLORE
MATRIX: WATER S. MOORE
UNITS: mg/L (ppm)

TEST RESULTS

PARAMETER	MDL	SAMPLE #	Q1				
		I.T.D.	MW1WELL				

Total Oil and Grease 1 (1)

Total Petroleum Hydrocarbons 1 (1)

MDL = Method Detection Limit; compound below this level would not be detected. Results rounded to two significant digits.

METHOD: EPA 413.2/418.1

Emma P. Popek
EMMA P. POPEK, Laboratory Director



11/09/89 sp

Page 1 of 1

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#: C910583
 CLIENT: SANDRA LINDSEY
 GROUNDWATER TECHNOLOGY, INC.
 4080-D PIKE LANE
 CONCORD, CA 94520

PROJECT#: 203-899-1017-4
 LOCATION: OAKLAND, CA

SAMPLED: 10/24/89 BY: C. ROBERTSON
 RECEIVED: 10/24/89
 ANALYZED: 11/03/89 BY: R. MARTINO

MATRIX: Water
 UNITS: ug/L (ppb)

PARAMETER	DL	SAMPLE #	01
		I. D.	MW1
Chloromethane	10		(10)
Bromomethane	10		(10)
Vinyl chloride	10		(10)
Chloroethane	10		(10)
Methylene chloride	5		(5)
Acetone	100		(100)
Carbon disulfide	5		(5)
1,1-Dichloroethene	5		(5)
1,1-Dichloroethane	5		(5)
trans-1,2-Dichloroethene	5		(5)
Chloroform	5		(5)
1,2-Dichloroethane	5		(5)
2-Butanone	100		(100)
1,1,1-Trichloroethane	5		(5)
Carbon tetrachloride	5		(5)
Vinyl acetate	50		(50)
Bromodichloromethane	5		(5)
1,2-Dichloropropane	5		(5)
cis-1,3-Dichloropropene	5		(5)
Trichloroethene	5		(5)
Dibromochloromethane	5		(5)
1,1,2-Trichloroethane	5		(5)
Benzene	5		(10)
trans-1,3-Dichloropropene	5		(5)
2-Chloroethylvinylether	10		(10)
Bromoform	5		(5)
4-Methyl-2-pentanone	50		(50)
2-Hexanone	50		(50)

DL = Detection Limit; compound below this level would not be detected.
 Results rounded to two significant figures.

METHOD: EPA 8240



Page 1 of 1
Continued

Northwest Region
4080 Pike Lane
Concord, CA 94520
(415) 885-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California

WORK ORD#: C910583

CLIENT: SANDRA LINDSEY
PROJECT#: 203-899-1017-4
LOCATION: OAKLAND, CA

MATRIX: Water
UNITS: ug/L (ppb)

PARAMETER	DL	SAMPLE #	01			
		U.S.	MW1			
Tetrachloroethene	5		(5			
1,1,2,2-Tetrachloroethane	5		(5			
Toluene	5		(5			
Chlorobenzene	5		(5			
Ethylbenzene	5		(5			
Styrene	5		(5			
1,2-Dichlorobenzene	5		(5			
1,3-Dichlorobenzene	5		(5			
1,4-Dichlorobenzene	5		(5			
Xylene (total)	5		(5			
Trichlorofluoromethane	5		(5			

DL = Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: EPA 8240

EMMA P. POPOCK, Laboratory Director



4080 Pike Lane
Concord, CA 94520
415-686-7852
800-544-3422 (In CA)
800-423-7143 (Outside CA)

CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST 72-6455

CUSTODY RECORD

Project Manager: Sandra Lindsey
Address: [blank]
Phone #: [blank]
FAX #: [blank]
Site location: Oakland

Project Number: 203899 1017
Project Name: AAA
Sampler Name (Print): Craig Robertson

I attest that the proper field sampling procedures were used during the collection of these samples

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	CONTAINERS					Matrix	Method Preserved	Sampling	
			WATER	SOIL	AIR	SLUDGE	OTHER			DATE	TIME
TB MW1	Well		X							10/24/89	0800
MW1	Well		X							13/0	
MW1	Well		X								
MW1	Well		X								

ANALYSIS REQUEST

BTEX 602 8020 with MTBE
 BTEX/TPH Gas 602/8015 8020/8015 MTBE
 TPH as Gas Diesel Jet Fuel
 Product ID by GC (SIM/MS)
 Total Oil & Grease 413 4132 503A
 Total Petroleum Hydrocarbons 318 503E
 EPA 501 8010 DCA only
 EPA 502 8020
 EPA 608 3080 PCBs only
 EPA 610 3310
 EPA 624 8240 NBS #15
 EPA 625 8270 NBS #25
 EPTOX Metals Pesticides Herbicides
 TCLP Metals VOA Semi VOA
 EPA Priority Pollutant Metals HSL C
 LEAD 7420 7421 7422 7423 6012 Org Lead
 CAN Metals S:LC TLC
 Corrosivity Flashpoint Reactivity
 H₂O H₂O₂

Relinquished by Sample: [Signature]
 Relinquished by Date: 10/24/89 1503
 Relinquished by Date: 10/24 3000
 Relinquished by Date: [blank]

SPECIAL HANDLING

24 HOURS
 EXPEDITED 48 Hours
 SEVEN DAY
 OTHER (#) BUSINESS DAYS
 QA/QC CLP Level Blue Level
 FAX

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS:

Lab Use Only Lot #: [blank]
 Storage Location Work Order #: [blank]