



ALPHA CHEMICAL & BIOMEDICAL LABORATORIES

Joe E. Hodgkins, Ph.D.
Director
August 1, 1988

Property Contamination Control Inc.
Attn: Ron Richmond
2220 Livingston Street / Suite 208
Oakland, CA 94606

REPORT SCRAP METAL SUPPLY

Sample Identification:

Location : Scrap Metal Supply
758 High Street, Oakland, CA.
See Map and Chain of Custody.

ACBL Sample # 5666, 5667, 5668: *Group 1*

Soil Sample #1. Depth = 8".
14' south of tin wall on weigh shed;
16' east of fence, just off concrete slab.

ACBL Sample # 5669, 5670, 5671: *2*

Soil Sample #2. Depth = 12".
15' west and 29' south of first power pole which is
located SE of main building.

ACBL Sample # 5672, 5673, 5674: *3*

Soil Sample #3. Depth = 12".
Rear of lot (south end), 40' NE of eucalyptus tree
and 32' NW of acacia tree.

ACBL Sample # 5675, 5676, 5677: *4*

Soil Sample #4. Depth = surface to 6".
Composite of four sites:
(1) 24' west and 10' south of first power pole.
(2) 27' south of support standard for main building.
(3) 19' east and 27' north of NE corner of scale next
to weigh shed.
(4) 3' east and 3' north of SE corner of scale.

continued...

Property Contamination Control Inc.
RE: Scrap Metal Supply
August 1, 1988
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Date Sampled : 7/14/88, 10:10 am - 12:50 pm,
by Ron Messer, ACBL Chemist.

Received in Lab : 7/14/88, 2:25 pm.

Analysis:

Total Oil & Grease by SM 503E, 7/25/88.

PCB's by EPA Method 8080, 7/25-26/88.

EPA Extraction Procedure-Toxicity (EP-TOX); Metals scan by ICP,
EPA Method 6010, 7/27/88.

Volatile Organics by EPA Method 8240, 7/27/88.

Results:

<u>ACBL Sample #</u>	<u>Total Oil & Grease mg/kg</u>	<u>Polychlorinated biphenyls (PCB's) mg/kg</u>
5666	4565	260
5669	58	ND
5672	2785	ND
5675	5920	8.6

ND = None Detected

PCB's detection limit in soil = 0.5 mg/kg

continued...

Property Contamination Control Inc.
 RE: Scrap Metal Supply
 August 1, 1988
 Page 3

cont. Results:

Toxic Metal Scan, EPA 6010:

Metal	----Results, mg/L----		EPA STLC* mg/L	Detection Limit mg/L
	#5667	#5670		
Ag	ND	ND	5.0	0.020
As	ND	ND	5.0	0.20
Ba	0.498	DETECTED	100	0.10
Be	ND	ND		0.010
Cd	0.0311	ND	1.0	0.0050
Co	ND	ND		0.020
Cr	ND	ND	5.0	0.020
Cu	0.106	ND		0.010
Fe	0.487	0.253		0.050
Hg	ND	ND	0.20	0.050
Mn	0.561	0.0821		0.010
Mo	ND	ND		0.050
Ni	DETECTED	ND		0.050
Pb	DETECTED	ND	5.0	0.050
Sb	ND	ND		0.50
Se	ND	ND	1.0	0.20
Tl	ND	ND		0.50
V	ND	ND		0.050
Zn	3.61	0.553		0.050

*STLC = Soluble Threshold Limit Concentration.

ND = None Detected

DETECTED = Detected but not quantitated.

Quantitation limit = 3.3x detection limit.

Property Control Contamination Inc.
 RE: Scrap Metal Supply
 August 1, 1988
 Page 4

cont. Results:

Toxic Metal Scan, EPA 6010:

<u>Metal</u>	<u>----Results, mg/L----</u>		<u>EPA STLC*</u> <u>mg/L</u>	<u>Detection Limit</u> <u>mg/L</u>
	<u>#5673</u>	<u>#5676</u>		
Ag	ND	ND	5.0	0.020
As	ND	ND	5.0	0.20
Ba	DETECTED	0.942	100	0.10
Be	ND	ND		0.010
Cd	ND	0.143	1.0	0.0050
Co	ND	ND		0.020
Cr	ND	ND	5.0	0.020
Cu	ND	0.525		0.010
Fe	0.333	0.370		0.050
Hg	ND	ND	0.20	0.050
Mn	0.489	6.98		0.010
Mo	ND	ND		0.050
Ni	ND	0.218		0.050
Pb	ND	0.339	5.0	0.050
Sb	ND	ND		0.50
Se	ND	ND	1.0	0.20
Tl	ND	ND		0.50
V	ND	ND		0.050
Zn	0.610	27.1		0.050

*STLC = Soluble Threshold Limit Concentration
 ND = None Detected
 DETECTED = Detected but not quantitated.
 Quantitation limit = 3.3x detection limit.

cont. Results:

Volatile Organics, EPA 8240:

	-----Results, ug/kg-----			Detection Limit ug/kg
	# 5668	# 5671	# 5674	
Dichlorodifluoromethane	ND	ND	ND	0.5
Chloromethane	ND	ND	ND	0.5
Vinyl Chloride	ND	ND	ND	0.5
Bromomethane	ND	ND	ND	0.5
Chloroethane	ND	ND	ND	0.5
Trichlorofluoromethane	ND	ND	ND	0.5
2-Butanone (MEK)	ND	ND	1.0	0.5
Iodomethane	ND	ND	ND	0.5
1,1-Dichloroethene	ND	ND	ND	0.5
Carbon Disulfide	7.6	1.2	3.8	0.5
Acrylonitrile	ND	ND	ND	0.5
Methylene Chloride	8.5	2.1	3.2	0.5
trans-1,2-Dichloroethene	ND	ND	ND	0.5
1,1-Dichloroethane	ND	ND	ND	0.5
Chloroform	1.5	0.9	0.7	0.5
1,1,1-Trichloroethane	ND	ND	ND	0.5
1,2-Dichloroethane	ND	ND	ND	0.5
Carbon Tetrachloride	ND	ND	ND	0.5
Benzene	ND	ND	ND	0.5
1,2-Dichloropropane	ND	ND	ND	0.5
Trichloroethene	ND	ND	ND	0.5
Dibromomethane	ND	ND	ND	0.5
Bromodichloromethane	ND	ND	ND	0.5
trans-1,3-Dichloropropene	ND	ND	ND	0.5
3-Methyl-2-pentanone (MIBK)	ND	ND	ND	0.5
Toluene	1.3	ND	ND	0.5
cis-1,3-Dichloropropene	ND	ND	ND	0.5
1,1,2-Trichloroethane	ND	ND	ND	0.5
2-Chloroethylvinyl ether	ND	ND	ND	0.5
Ethylmethacrylate	ND	ND	ND	0.5
Dibromochloromethane	ND	ND	ND	0.5
Tetrachloroethene	ND	ND	ND	0.5
Chlorobenzene	ND	ND	ND	0.5
Ethylbenzene	ND	ND	ND	0.5
Bromoform	ND	ND	ND	0.5
Xylene	1.3	ND	ND	0.5
1,1,2,2,-Tetrachloroethane	ND	ND	ND	0.5
1,2,3-Trichloropropane	ND	ND	ND	0.5
1,4,-Dichloro-2-butene	ND	ND	ND	0.5

continued...

Property Contamination Control Inc.
RE: Scrap Metal Supply
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cont. Results:

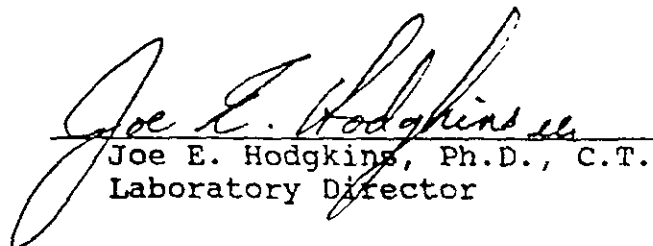
Volatile Organics, EPA 8240:

Other Compounds Identified:	# 5668	# 5671	# 5674
1-Chloro-2-methylbenzene (o-chlorotoluene)	Detected	Detected	Detected
1,2,3-Trimethylbenzene	Detected		
1,2,3-Trichlorobenzene	Detected		
1,2,4-Trimethylbenzene	Detected		
1-Methyl-3-(methylethyl)benzene	Detected		

Detected = Identified/detected, but not quantitated.

Volatile Organics, EPA 8240:

Sample # 5677 was analyzed as the other samples noted on page 5. None of the EPA 8240 compounds listed on page 5, nor any other identifiable compounds were detected. Detection limits were 12.5 times the normal limit (6.25 ug/kg) because of the presence of heavy hydrocarbons.


Joe E. Hodgkins, Ph.D., C.T.
Laboratory Director

Telephone reports: 7/27/88 & 7/29/88.

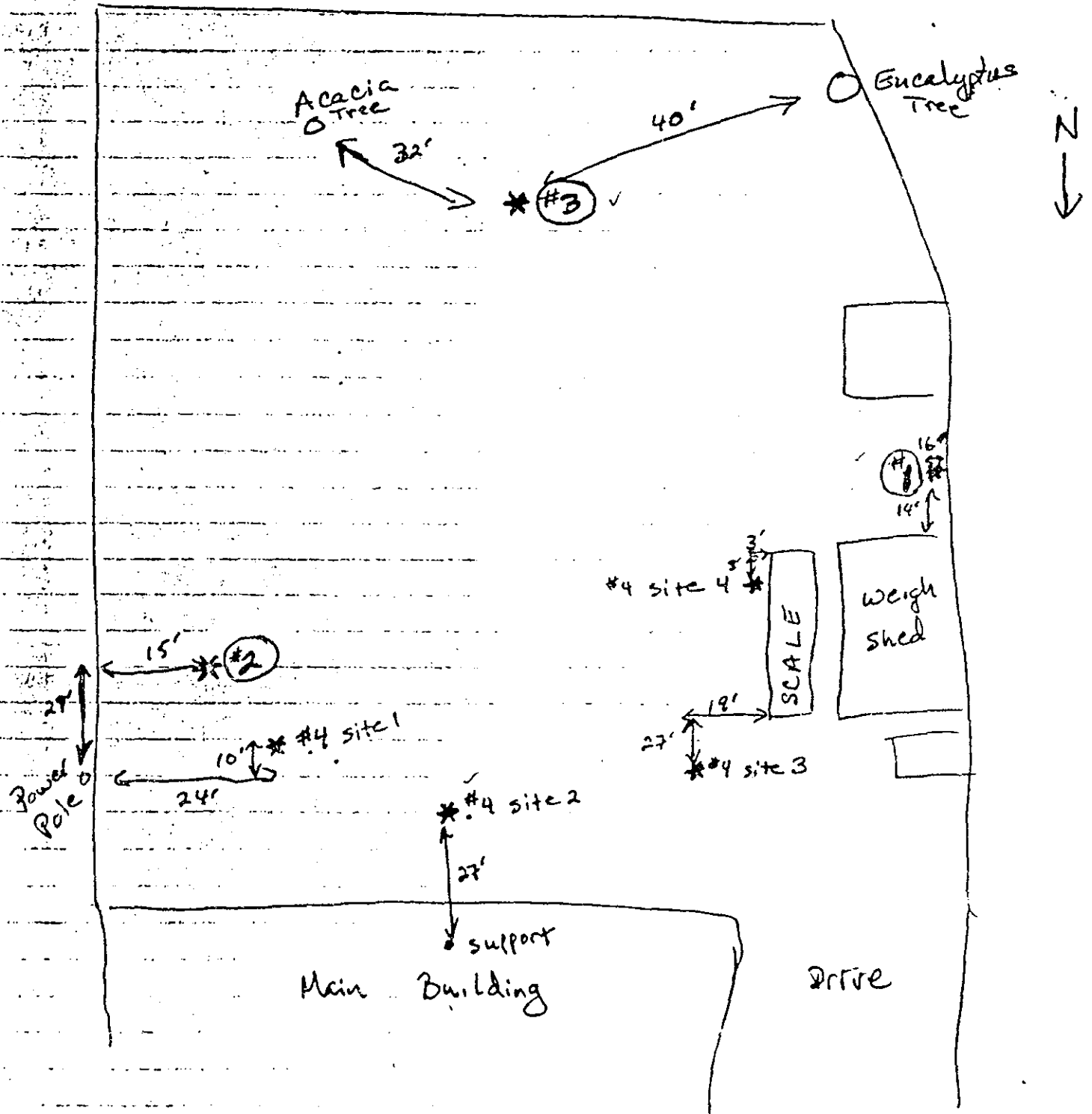
14-88

Sampler: Rom Hesse
ACBL

PCC Scrap Metal Supply
758 High St., Oakland

Rough sketch of Lot

Map not to scale - reference marks are well defined





ALPHA CHEMICAL & BIOMEDICAL LABORATORIES

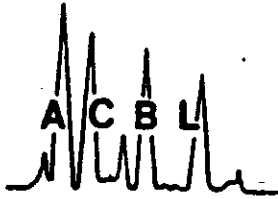
CLIENT	NAME: PROPERTY CONTAMINATION CONTROL		NO. of Containers	ANALYSIS EPA 8240 EPA TOX - Metals by ICP Total PCBs by EPA 8210 PCBs by EPA 8080	REMARKS/ SAMPLE CONDITION ON RECEIPT
	ADDRESS: Attn: Ron Richmond				
	Walnut Creek, CA				
	PHONE: (415) 934-2422				
PROJECT: Scrap METAL SUPPLY					
SAMPLER (signature): <i>Ronald J. Messer</i>					
ACBL SAMPLE NO.	COLLECTED Date/Time	SAMPLE IDENTIFICATION			
5666	7/14/88 10:10	1A - 8" deep	1		Stainless Tube w/ foil, cap, Tape
5667	10:15	1B } 14' S of tin well on	1		Glass Bottle 4oz.
5668	10:20	1C } weigh shed - 6" E at fence - just off slab	1		Brass Tube w/ foil, cap, Tape
5669	10:00	2A } 12" deep	1		Stainless tube, etc.
5670	11:05	2B } 15' W end 29' S of	1		Glass Bottle 4oz
5671	11:10	2C } Power pole which is SE of main building	1		Brass tube, etc.
5672	12:15	3A } 12" deep (rear of lot)	1		Stainless tube, etc.
5673	12:20	3B } 40' NE of Eucalyptus	1		Glass Bottle 4oz.
5674	12:25	3C } 32' NW of Acacia tree	1		Brass tube, etc.
5675	12:40	4A } surface to 6" - 4 sites Composite - see map	1		Stainless tube, etc.
Relinquished by (signature): <i>Ronald J. Messer</i>		Date/Time: 7/14/88	Received by (signature):		Date/Time: Received by (signature):
Relinquished by (signature):		Date/Time: 7/14/88	Received in Laboratory by (signature): <i>Elizabeth D. Hodgkins ACBL</i>		Date/Time: 7/14/88 2:25 pm
REMARKS					
Note: 5675-5677 are composites of 4 samples within one tube or jar.					

CHAIN OF CUSTODY RECORD



ALPHA CHEMICAL & BIOMEDICAL LABORATORIES

CLIENT	NAME: PCC (Page 2 of 2)		NO. of Containers	ANALYSIS EPA 8240 EPA TOX - Metals by ICP	REMARKS/ SAMPLE CONDITION ON RECEIPT
	ADDRESS:				
	PHONE:				
PROJECT: Scrap Metal Supply					
SAMPLER (signature): Ronald J. Messer					
ACBL SAMPLE NO.	COLLECTED Date/Time	SAMPLE IDENTIFICATION			
5676	7/14 12:45	4B } 4 sites		X	Glass bottle 4oz.
5677	7/14 12:50	4C } Composite - see map surface to 6"		X	Brass tube, w/ foil, cap, tape
Relinquished by (signature): Ronald J. Messer		Date/Time: 7/14 12:26	Received by (signature):		Date/Time:
Relinquished by (signature):		Date/Time:	Received in Laboratory by (signature): Elizabeth D. Hodgkins		Date/Time: 7/14/98 2:25 pm
REMARKS					



7
758 HIGH
758

ALPHA CHEMICAL & BIOMEDICAL LABORATORIES

Joe E. Hodgkins, Ph.D.
Director
August 1, 1988

Property Contamination Control Inc.
Attn: Ron Richmond
2220 Livingston Street / Suite 208
Oakland, CA 94606

REPORT SCRAP METAL SUPPLY

Sample Identification:

Location : Scrap Metal Supply
758 High Street, Oakland, CA.
See Map and Chain of Custody.

ACBL Sample # 5666, 5667, 5668:

Soil Sample #1. Depth = 8".
14' south of tin wall on weigh shed;
16' east of fence, just off concrete slab.

ACBL Sample # 5669, 5670, 5671:

Soil Sample #2. Depth = 12".
15' west and 29' south of first power pole which is
located SE of main building.

ACBL Sample # 5672, 5673, 5674:

Soil Sample #3. Depth = 12".
Rear of lot (south end), 40' NE of eucalyptus tree
and 32' NW of acacia tree.

ACBL Sample # 5675, 5676, 5677:

Soil Sample #4. Depth = surface to 6".
Composite of four sites:
(1) 24' west and 10' south of first power pole.
(2) 27' south of support standard for main building.
(3) 19' east and 27' north of NE corner of scale next
to weigh shed.
(4) 3' east and 3' north of SE corner of scale.

continued...

Property Contamination Control Inc.
RE: Scrap Metal Supply
August 1, 1988
Page 2

Date Sampled : 7/14/88, 10:10 am - 12:50 pm,
by Ron Messer, ACBL Chemist.

Received in Lab : 7/14/88, 2:25 pm.

Analysis:

Total Oil & Grease by SM 503E, 7/25/88.
PCB's by EPA Method 8080, 7/25-26/88.
EPA Extraction Procedure-Toxicity (EP-TOX); Metals scan by ICP,
EPA Method 6010, 7/27/88.
Volatile Organics by EPA Method 8240, 7/27/88.

Results:

<u>ACBL Sample #</u>	<u>Total Oil & Grease mg/kg</u>	<u>Polychlorinated biphenyls (PCB's) mg/kg</u>
5666	4565	260
5669	58	ND
5672	2785	ND
5675	5920	8.6

ND = None Detected

PCB's detection limit in soil = 0.5 mg/kg

continued...

Property Contamination Control Inc.
 RE: Scrap Metal Supply
 August 1, 1988
 Page 3

cont. Results:

Toxic Metal Scan, EPA 6010:

<u>Metal</u>	<u>----Results, mg/L----</u>		<u>EPA STLC*</u> <u>mg/L</u>	<u>Detection Limit</u> <u>mg/L</u>
	<u>#5667</u>	<u>#5670</u>		
Ag	ND	ND	5.0	0.020
As	ND	ND	5.0	0.20
Ba	0.498	DETECTED	100	0.10
Be	ND	ND		0.010
Cd	0.0311	ND	1.0	0.0050
Co	ND	ND		0.020
Cr	ND	ND	5.0	0.020
Cu	0.106	ND		0.010
Fe	0.487	0.253		0.050
Hg	ND	ND	0.20	0.050
Mn	0.561	0.0821		0.010
Mo	ND	ND		0.050
Ni	DETECTED	ND		0.050
Pb	DETECTED	ND	5.0	0.050
Sb	ND	ND		0.50
Se	ND	ND	1.0	0.20
Tl	ND	ND		0.50
V	ND	ND		0.050
Zn	3.61	0.553		0.050

*STLC = Soluble Threshold Limit Concentration.
 ND = None Detected
 DETECTED = Detected but not quantitated.
 Quantitation limit = 3.3x detection limit.

Property Control Contamination Inc.
 RE: Scrap Metal Supply
 August 1, 1988
 Page 4

cont. Results:

Toxic Metal Scan, EPA 6010:

<u>Metal</u>	<u>----Results, mg/L----</u>		<u>EPA STLC*</u> <u>mg/L</u>	<u>Detection Limit</u> <u>mg/L</u>
	<u>#5673</u>	<u>#5676</u>		
Ag	ND	ND	5.0	0.020
As	ND	ND	5.0	0.20
Ba	DETECTED	0.942	100	0.10
Be	ND	ND		0.010
Cd	ND	0.143	1.0	0.0050
Co	ND	ND		0.020
Cr	ND	ND	5.0	0.020
Cu	ND	0.525		0.010
Fe	0.333	0.370		0.050
Hg	ND	ND	0.20	0.050
Mn	0.489	6.98		0.010
Mo	ND	ND		0.050
Ni	ND	0.218		0.050
Pb	ND	0.339	5.0	0.050
Sb	ND	ND		0.50
Se	ND	ND	1.0	0.20
Tl	ND	ND		0.50
V	ND	ND		0.050
Zn	0.610	27.1		0.050

*STLC = Soluble Threshold Limit Concentration

ND = None Detected

DETECTED = Detected but not quantitated.

Quantitation limit = 3.3x detection limit.

Property Contamination Control Inc.
 RE: Scrap Metal Supply
 August 1, 1988
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cont. Results:

Volatile Organics, EPA 8240:

	-----Results, ug/kg-----			Detection Limit ug/kg
	# 5668	# 5671	# 5674	
Dichlorodifluoromethane	ND	ND	ND	0.5
Chloromethane	ND	ND	ND	0.5
Vinyl Chloride	ND	ND	ND	0.5
Bromomethane	ND	ND	ND	0.5
Chloroethane	ND	ND	ND	0.5
Trichlorofluoromethane	ND	ND	1.0	0.5
2-Butanone (MEK)	ND	ND	ND	0.5
Iodomethane	ND	ND	ND	0.5
1,1-Dichloroethene	ND	ND	ND	0.5
Carbon Disulfide	7.6	1.2	3.8	0.5
Acrylonitrile	ND	ND	ND	0.5
Methylene Chloride	8.5	2.1	3.2	0.5
trans-1,2-Dichloroethene	ND	ND	ND	0.5
1,1-Dichloroethane	ND	ND	ND	0.5
Chloroform	1.5	0.9	0.7	0.5
1,1,1-Trichloroethane	ND	ND	ND	0.5
1,2-Dichloroethane	ND	ND	ND	0.5
Carbon Tetrachloride	ND	ND	ND	0.5
Benzene	ND	ND	ND	0.5
1,2-Dichloropropane	ND	ND	ND	0.5
Trichloroethene	ND	ND	ND	0.5
Dibromomethane	ND	ND	ND	0.5
Bromodichloromethane	ND	ND	ND	0.5
trans-1,3-Dichloropropene	ND	ND	ND	0.5
3-Methyl-2-pentanone (MIBK)	ND	ND	ND	0.5
Toluene	1.3	ND	ND	0.5
cis-1,3-Dichloropropene	ND	ND	ND	0.5
1,1,2-Trichloroethane	ND	ND	ND	0.5
2-Chloroethylvinyl ether	ND	ND	ND	0.5
Ethylmethacrylate	ND	ND	ND	0.5
Dibromochloromethane	ND	ND	ND	0.5
Tetrachloroethene	ND	ND	ND	0.5
Chlorobenzene	ND	ND	ND	0.5
Ethylbenzene	ND	ND	ND	0.5
Bromoform	ND	ND	ND	0.5
Xylene	1.3	ND	ND	0.5
1,1,2,2,-Tetrachloroethane	ND	ND	ND	0.5
1,2,3-Trichloropropane	ND	ND	ND	0.5
1,4,-Dichloro-2-butene	ND	ND	ND	0.5

continued...

Property Contamination Control Inc.
RE: Scrap Metal Supply
August 1, 1988
Page 6

cont. Results:

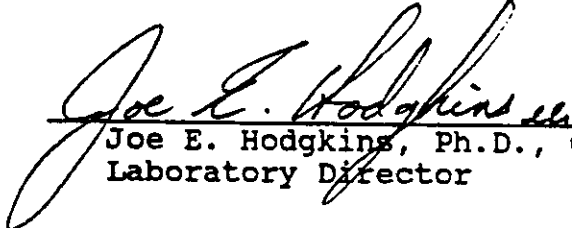
Volatile Organics, EPA 8240:

Other Compounds Identified:	<u># 5668</u>	<u># 5671</u>	<u># 5674</u>
1-Chloro-2-methylbenzene (o-chlorotoluene)	Detected	Detected	Detected
1,2,3-Trimethylbenzene	Detected		
1,2,3-Trichlorobenzene	Detected		
1,2,4-Trimethylbenzene	Detected		
1-Methyl-3-(methylethyl)benzene	Detected		

Detected = Identified/detected, but not quantitated.

Volatile Organics, EPA 8240:

Sample # 5677 was analyzed as the other samples noted on page 5. None of the EPA 8240 compounds listed on page 5, nor any other identifiable compounds were detected. Detection limits were 12.5 times the normal limit (6.25 ug/kg) because of the presence of heavy hydrocarbons.


Joe E. Hodgkins, Ph.D., C.T.
Laboratory Director

Telephone reports: 7/27/88 & 7/29/88.

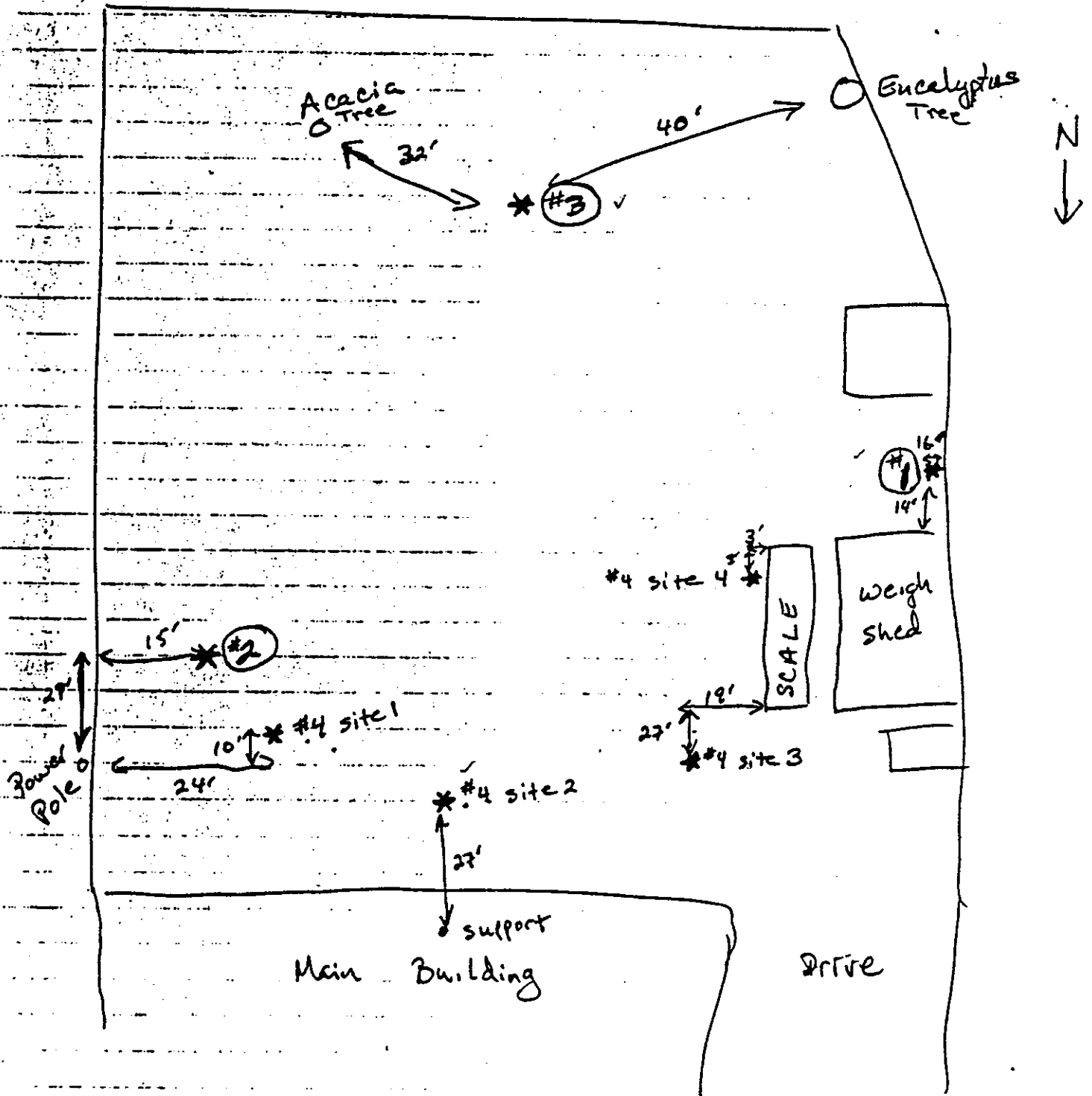
7-14-88

Sampler. Rom Mess
ACBL

PCC Scrap Metal Supply
758 High St., Oakland

Rough sketch of Lot

Map not to scale - reference marks are well defined



ACBL

ALPHA CHEMICAL & BIOMEDICAL LABORATORIES

CLIENT	NAME: PROPERTY CONTAMINATION CONTROL		NO. of Containers	ANALYSIS	EPA 8240	EPA Tox - Metals by ICP	Total PCBs by EPA 8080	PCBs by EPA 8080	REMARKS/ SAMPLE CONDITION ON RECEIPT
	ADDRESS: Attn: Ron Richmond								
	Walnut Creek, CA								
	PHONE: (415) 934-2422								
PROJECT: Scrap METAL SUPPLY									
SAMPLER (signature): <i>Ronald J. Messer</i>									
ACBL SAMPLE NO.	COLLECTED Date/Time	SAMPLE IDENTIFICATION							
5666	7/14/88 10:10	1A - 8" deep	1						Stainless Tube w/ foil, cap, tape
5667	10:15	1B } 14' S of tin well on weigh shed - 16" E of fence - just off slab	1						Glass Bottle 4oz.
5668	10:20		1						Brass Tube w/ foil, cap, tape
5669	10:00		2A 12" deep	1					Stainless tube, etc
5670	11:05	2B 15' W and 29' S of	1						Glass Bottle 4oz
5671	11:10	2C Power pole which is SE of main building	1						Brass tube, etc.
5672	12:15	3A 12" deep (rear of lot)	1						Stainless tube, etc.
5673	12:20	3B 40' NE of Eucalyptus	1						Glass Bottle 4oz.
5674	12:25	3C 32' NW of Acacia tree	1						Brass tube, etc.
5675	12:40	4A surface to 6" - 4 sites Composite - see map	1						Stainless tube, etc.
Relinquished by (signature): <i>Ronald J. Messer</i>		Date/Time: 7/14/88	Received by (signature):		Relinquished by (signature):		Date/Time:	Received by (signature):	
Relinquished by (signature):		Date/Time: 7/14/88	Received by (signature):		Received in Laboratory by (signature): <i>Elizabeth D. Hodgkins ACBL</i>		Date/Time: 7/14/88	2:25 pm	

REMARKS

Note: 5675-5677 are composites of 4 samples within one tube or jar. homogeneous mixture before taking sample

CHAIN OF CUSTODY RECORD



ALPHA CHEMICAL & BIOMEDICAL LABORATORIES

CLIENT	NAME: PCC (Page 2 of 2)		NO. of Containers	ANALYSIS	EPA 8210	EPA TOX - Metals by ICP			REMARKS/ SAMPLE CONDITION ON RECEIPT
	ADDRESS:								
	PHONE:								
	PROJECT: Scrap Metal Supply								
SAMPLER (signature): Ronald J. Messer									
ACBL SAMPLE NO.	COLLECTED Date/Time	SAMPLE IDENTIFICATION							
5676	7/14 12:45	4B	4 sites	(X				Glass bottle 4oz.
5677	7/14 12:50	4C	Composite - surface to 6" see map	1	X				Brass tube, w/ foil, cap, tape
Relinquished by (signature): Ronald J. Messer		Date/Time: 7/14 12:26	Received by (signature):		Relinquished by (signature):		Date/Time:	Received by (signature):	
Relinquished by (signature):		Date/Time:	Received by (signature):		Received in Laboratory by (signature): Elizabeth D. Hodgkins		Date/Time: 7/14/98	Received in Laboratory by (signature): ACBL 2:25 pm	
REMARKS									