

TIMMERMAN
ENGINEERING
CONSTRUCTION

FILE

9.29.89
AC: R. WHITFIELD

RECEIVED

September 27, 1989

SEP 29 1989

Dick Huffman
ARA Services, Inc.
330 Chestnut St.
Oakland, CA 94607

ARATA GALLAGHER

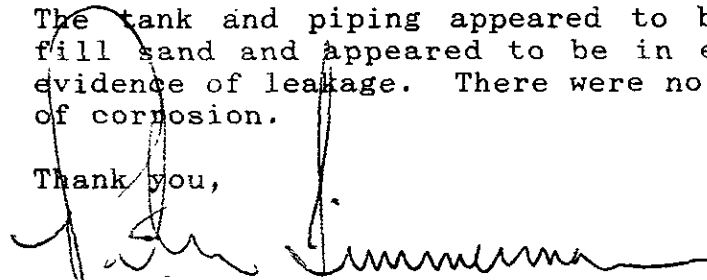
Mr. Huffman:

Please find enclosed copies of laboratory results for the analyses requested by Alameda County Dept. of Environmental Health of the soil beneath the former 550 gallon waste oil tank. Also enclosed is a diagram showing the former tank location and sample locations.

During the sampling on 9/07/89, no hazardous wastes were generated. The February 7, 1989 excavation revealed no odor bearing or stained soils and groundwater was not present at all.

The tank and piping appeared to be originally backfilled with fill sand and appeared to be in excellent condition with no evidence of leakage. There were no observed holes nor any signs of corrosion.

Thank you,



Peter Timmerman
Owner



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ENVIRONMENTAL
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Northwest Region
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Concord, CA 94520
(415) 685-7852
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09/15/89 LS

Page 1 of 1

WORK ORD#: C909143

CLIENT: PETER TIMMERMAN
BAY AREA TANK TESTING
P.O. BOX 4479
WALNUT CREEK, CA 94596

PROJECT#: SFB-0162-6

LOCATION: 330 CHESTNUT ST./OAKLAND, CA

SAMPLED: 09/07/89

BY: P. TIMMERMAN

RECEIVED: 09/07/89

ANALYZED: 09/12/89

BY: K. PATTON


MATRIX: SOIL

UNITS: mg/Kg (ppm)

PARAMETER	MDL	SAMPLE # I.D.	Q1 #1
Benzene	0.5		<0.5
Toluene	0.5		<0.5
Ethylbenzene	0.5		<0.5
Xylenes	0.5		<0.5
Total BTEX	0.5		<0.5
Misc. Hydrocarbons (C4-C12)	1		<1
Total Petroleum Hydrocarbons as Gasoline	1		<1

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

METHOD: Modified EPA 5030/8020/8015


EMMA P. POPEK, Laboratory Director



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09/13/89 LS

Page 1 of 1

WORK ORD#: C909144

CLIENT: PETER TIMMERMAN

BAY AREA TANK TESTING

P.O. BOX 4479

WALNUT CREEK, CA 94596

PROJECT#: SFB-0162-7

LOCATION: 330 CHESTNUT ST. / OAKLAND, CA

SAMPLED: 09/07/89

BY: P. TIMMERMAN

RECEIVED: 09/07/89

ANALYZED: 09/09/89

BY: R. CONDIT

MATRIX: SOIL

UNITS: mg/kg (ppm)

PARAMETER	MDL	SAMPLE #	01			
		I. D.	#1			
Chloromethane	0.5		<0.5			
Bromomethane	0.5		<0.5			
Dichlorodifluoromethane	0.5		<0.5			
Vinyl chloride	1		<1			
Chloroethane	0.5		<0.5			
Methylene chloride	0.5		<0.5			
Trichlorofluoromethane	0.5		<0.5			
1,1-Dichloroethene	0.2		<0.2			
1,1-Dichloroethane	0.5		<0.5			
trans-1,2-Dichloroethene	0.5		<0.5			
Chloroform	0.5		<0.5			
1,2-Dichloroethane	0.5		<0.5			
1,1,1-Trichloroethane	0.5		<0.5			
Carbon tetrachloride	0.5		<0.5			
Bromodichloromethane	0.5		<0.5			
1,2-Dichloropropane	0.5		<0.5			
trans-1,3-Dichloropropene	0.5		<0.5			
Trichloroethene	0.5		<0.5			
Dibromochloromethane	0.5		<0.5			
1,1,2-Trichloroethane	0.5		<0.5			
cis-1,3-Dichloropropene	0.5		<0.5			
2-Chloroethylvinyl ether	1		<1			
Bromoform	0.5		<0.5			
1,1,2,2-Tetrachloroethane	0.5		<0.5			
Tetrachloroethene	0.5		<0.5			
Chlorobenzene	0.5		<0.5			

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

METHOD: EPA 601



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Continued

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WORK ORD#: C909144

CLIENT: PETER TIMMERMAN
PROJECT#: SFB-0162-7
LOCATION: 330 CHESTNUT ST./ OAKLAND, CA

MATRIX: SOIL
UNITS: mg/kg (ppm)

PARAMETER	MDL	SAMPLE #	Q1			
		I.D.	#1			
1,3-Dichlorobenzene	0.5		<0.5			
1,2-Dichlorobenzene	0.5		<0.5			
1,4-Dichlorobenzene	0.5		<0.5			

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Results rounded to two significant figures.

METHOD: EPA 601

Emma P. Popek
EMMA P. POPEK, Laboratory Director



09/15/89 LS

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WORK ORD#: C909145
CLIENT: PETER TIMMERMAN
BAY AREA TANK TESTING
P.O. BOX 4479
WALNUT CREEK, CA 94596

PROJECT#: SFB-0162-8
LOCATION: 330 CHESTNUT ST./OAKLAND, CA

SAMPLED: 09/07/89 BY: P. TIMMERMAN
RECEIVED: 09/07/89
ANALYZED: 09/13/89 BY: R. MARTINO

MATRIX: SOIL
UNITS: ug/Kg (ppb)

PARAMETER	MDL	SAMPLE #	01
		I.D.	#1
Phenol	660		<660
bis(2-Chloroethyl) ether	660		<660
2-Chlorophenol	660		<660
1,3-Dichlorobenzene	660		<660
1,4-Dichlorobenzene	660		<660
Benzyl alcohol	1300		<1300
1,2-Dichlorobenzene	660		<660
2-Methylphenol	660		<660
bis-(2-Chloroisopropyl) ether	660		<660
4-Methylphenol	660		<660
N-Nitroso-di-n-propylamine	660		<660
Hexachloroethane	660		<660
Nitrobenzene	660		<660
Isophorone	660		<660
2-Nitrophenol	660		<660
2,4-Dimethylphenol	660		<660
Benzoic acid	3300		<3300
bis(2-Chloroethoxy) methane	660		<660
2,4-Dichlorophenol	660		<660
1,2,4-Trichlorobenzene	660		<660
Naphthalene	660		<660
4-Chloroaniline	660		<660
Hexachlorobutadiene	660		<660
4-Chloro-3-methylphenol	1300		<1300
2-Methylanthalene	660		<660
Hexachlorocyclopentadiene	660		<660
2,4,6-Trichlorophenol	660		<660
2,4,5-Trichlorophenol	660		<660

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

METHOD: EPA 8270

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Concord, CA 94520
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WORK ORD#: C909145

CLIENT: PETER TIMMERMAN
PROJECT#: SFB-0162-8
LOCATION: 330 CHESTNUT ST./OAKLAND, CA

MATRIX: SOIL
UNITS: ug/Kg (ppb)

PARAMETER	MDL	SAMPLE #	01			
		I. D.	#1			
2-Chloronaphthalene	660		<660			
2-Nitroaniline	3300		<3300			
Dimethylphthalate	660		<660			
Acenaphthylene	660		<660			
3-Nitroaniline	3300		<3300			
Acenaphthene	660		<660			
2,4-Dinitrophenol	3300		<3300			
4-Nitrophenol	3300		<3300			
Dibenzofuran	660		<660			
2,4-Dinitrotoluene	660		<660			
2,6-Dinitrotoluene	660		<660			
Diethylphthalate	660		<660			
4-Chlorophenyl-phenylether	660		<660			
Fluorene	660		<660			
4-Nitroaniline	3300		<3300			
4,6-Dinitro-2-methylphenol	3300		<3300			
N-Nitrosodiphenylamine	660		<660			
4-Bromophenyl-phenylether	660		<660			
Hexachlorobenzene	660		<660			
Pentachlorophenol	3300		<3300			
Phenanthrene	660		<660			
Anthracene	660		<660			
Di-n-butylphthalate	660		<660			
Fluoranthene	660		<660			
Pyrene	660		<660			
Butylbenzylphthalate	660		<660			
3,3-Dichlorobenzidine	660		<660			
Benzo(a)anthracene	660		<660			

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Results rounded to two significant figures.

METHOD: EPA 8270

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WORK ORD#: C909145

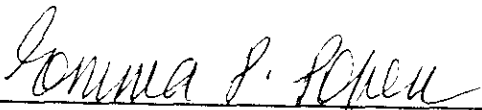
CLIENT: PETER TIMMERMAN
PROJECT#: SFB-0162-8
LOCATION: 330 CHESTNUT ST./OAKLAND, CA

MATRIX: SOIL
UNITS: ug/Kg (ppb)

PARAMETER	MDL	SAMPLE #	01
		I. D.	#1
bis(2-Ethylhexyl)phthalate	660		<660
Chrysene	660		<660
Di-n-octylphthalate	660		<660
Benzo(b)fluoranthene	660		<660
Benzo(k)fluoranthene	660		<660
Benzidine	3300		<3300
Benzo(a)pyrene	660		<660
Indeno(1,2,3-cd)pyrene	660		<660
Dibenz(a,h)anthracene	660		<660
Benzo(g,h,i)perylene	660		<660
alpha-BHC	5000		<5000
beta-BHC	5000		<5000
Lindane (gamma-BHC)	5000		<5000
delta-BHC	5000		<5000
Heptachlor	5000		<5000
Aldrin	5000		<5000
Heptachlor epoxide	5000		<5000
Endosulfan I	5000		<5000
4,4'-DDE	5000		<5000
Dieldrin	5000		<5000
Endrin	5000		<5000
Endosulfan II	5000		<5000
4,4'-DDD	5000		<5000
Endrin aldehyde	5000		<5000
Endosulfan sulfate	5000		<5000
4,4'-DDT	5000		<5000

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Results rounded to two significant figures.

METHOD: EPA 8270


EMMA P. POPEK, Laboratory Director



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09/11/89 LS PAGE 1 OF 1
WORK ORD#: C909146
CLIENT: PETER TIMMERMAN
BAY AREA TANK TESTING
P.O. BOX 4479
WALNUT CREEK, CA 94596
PROJECT#: SFB-0162-9
LOCATION: 330 CHESTNUT ST.
OAKLAND, CA
SAMPLED: 09/07/89 BY: P. TIMMERMAN
RECEIVED: 09/07/89
ANALYZED: 09/11/89 BY: J. THOMAS
MATRIX: SOIL
UNITS: ppm (mg/L)

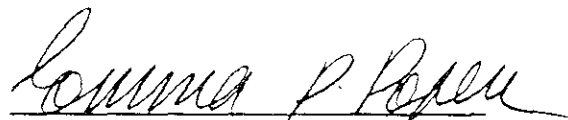
TEST RESULTS

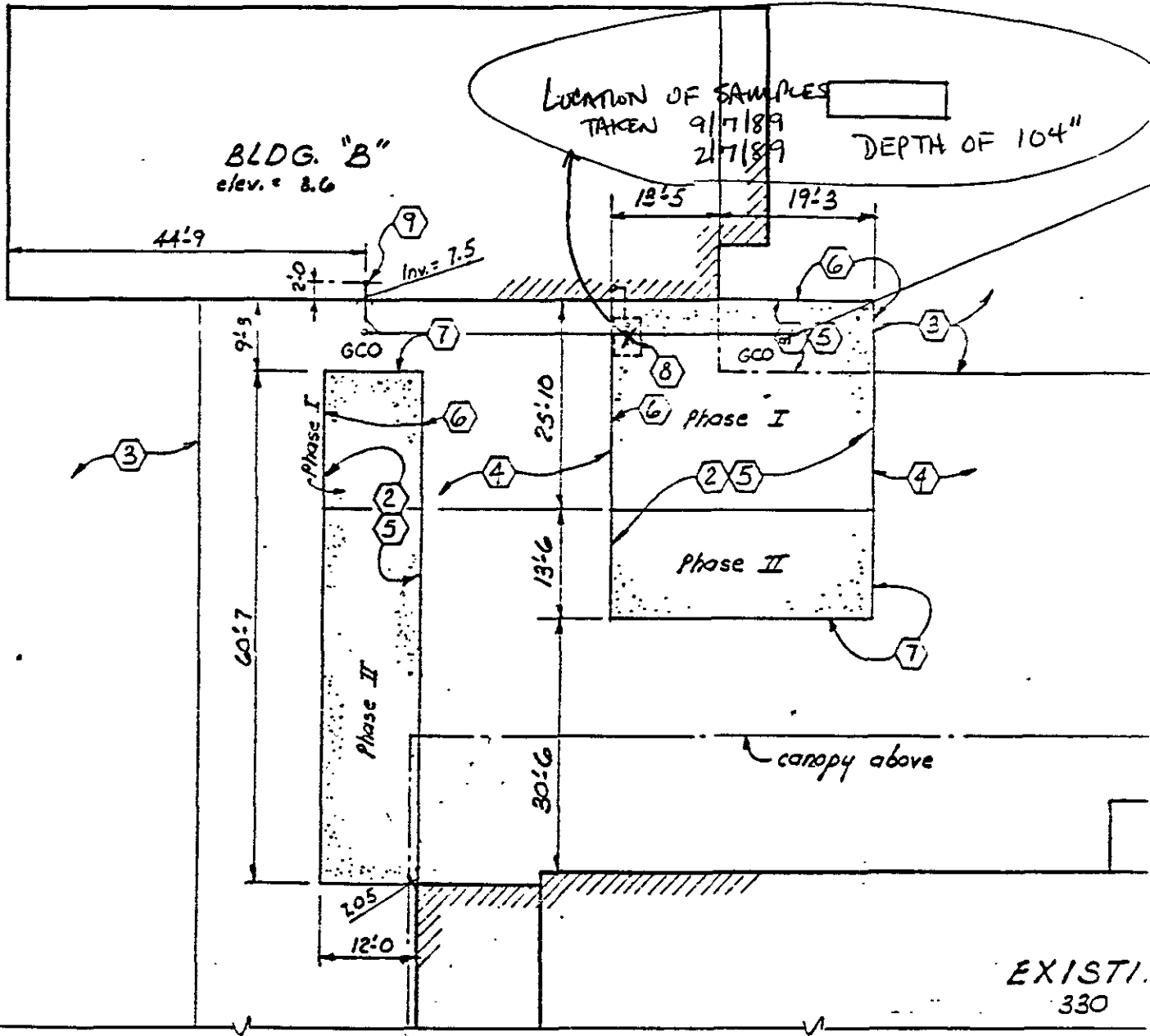
PARAMETER	MDL	SAMPLE #	01				
		I.I.D.	#1				

Lead	10		18
Cadmium	3		13
Chromium	5		35
Zinc	5		36

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

METHOD: 3005/6010


EMMA P. POPEK, DIRECTOR



PARTIAL SITE PLAN

SPECIAL NOTES

- | | |
|--|--|
| 1. (E) Asph. paving to be removed | 6. Sawcut this 1. |
| 2. (E) Conc. " " " " | 7. (E) constr. jt. |
| 3. (E) Asph. paving to remain | 8. Remove (E) oil tank incl. patch flr. insi |
| 4. (E) Conc. " " " " | 9. Stub 4" φ ci |
| 5. New 5" conc. slab w/ #3 @ 18" o.c.b.w., finish grade to match (E), weakened plane or constr. joints @ 20'-0" max. o.c.b.w., recompact top 6" subgrade to 90%. | 10. Stub 4" φ ci |
| | 11. Trench, backfill |