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RGA,
Inc.
Draft
Report
1432
Harrison
St

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INTRODUCTION

Alvin H. Bacharach, Inc. contracted RGA, Inc. to perform a site assessment of Harrison Street Garage, located at 1432-1434 Harrison Street, Oakland, California. The scope of the assessment was to drill soil borings and collect samples as follows:

1. Around the waste oil tank and associated pipings in the basement.
2. Around the gasoline tanks on the Harrison street sidewalk.
3. Around the hydraulic lift and sump areas on the floor level.
4. Around the gasoline pump island and associated pipings on the floor level.
5. Wherever possible collect groundwater samples to be used in determining groundwater quality. The collected samples will be analyzed to determine the presence or absence of hydrocarbon compounds, polychlorinated biphenyls (PCBs), and metals.

State purpose of work - development of a site safety plan regarding multiple site safety issues re: vst, sump & hoist removals.

SITE BACKGROUND

Harrison Street Garage is situated within the business district of Oakland. It is located at the corner of Harrison street and 15th street, (see Figure 1). The site is a three-floor commercial garage for automobiles and light trucks. In the past the site was a Chevron Service Station, with underground storage tanks, dispensers and associated pipings.

Previous work performed at the site included Phases I and II Site Assessments by Subsurface Consultants, Inc. of Oakland, California. Preliminary work indicated the potential for possible soil contamination by hydrocarbon compounds. Subsequent assessment indicated the presence of petroleum hydrocarbons in the unsaturated and saturated zones of the subject site.

FIELD INVESTIGATIONS

On January 16, 21, 22, 30, February 3, 4, and 5, 1992, RGA personnel drilled 23 soil borings, using a low access rig. Borings B-1 thru B-12 were located around the waste oil tanks and associated pipings (see Figure 2). Borings B-13, B-14, and B-15 were located at the hydraulic lift area and B-16 was located at the sump area (see Figure 3). Borings B-17, B-18, B-19, and B-20 were located at the gasoline tank area (see Figure 4). Borings B-21, B-22, and B-23 were located at the pump island and the associated piping areas (see Figure 5). Details of soil borings and lithologic logs are contained in Appendix A.

Soil samples were collected using a downhole closed spoon sampler or zero contamination sampler containing sampling sleeve. The samples were collected at 5-

foot intervals. The sleeve was sealed with aluminum foil, Teflon caps and duct tape, and placed on ice, pending laboratory analyses. A cut-out sleeve was put in a zip-loc bag and the head space was monitored using an organic vapor analyzer (OVA), and later examined for lithologic description using unified soil classification system (USCS). Before each sampling run, the sampler and sleeve were cleansed with trisodium phosphate solution and double rinsed in water and distilled water. Selected samples were recorded on a chain-of-custody and sent to state-certified Carter Analytical Laboratories, Inc. in Campbell, California.

Waste Oil Tank And Piping Area (BASEMENT)

Soil borings B-1 thru B-8 were located along the piping at 20-foot intervals. This interval coincided with the pipe joints which were already exposed. The piping was laid 1 1/2 feet below the basement floor. Soil samples were collected from 2 feet below the piping. Borings B-9 thru B-12 were located around the two waste oil tanks. Due to a possible concrete vault and building foundation, auger refusal was experienced at 5 feet in B-9, 8 feet at B-10, and about 3 to 4 feet in B-11 and B-12. Soil samples were only collected from B-9, and B-10 (see Figure 2 for detailed boring locations). Selected samples from this area were analyzed for benzene, toluene, ethyl benzene, and xylene (BTEX), total petroleum hydrocarbons as gasoline (TPH-G) and as diesel (TPH-D), priority pollutant metals (CAM 17), chlorinated hydrocarbons, oil and grease, and polychlorinated biphenyls (PCBs). The samples were analyzed using appropriate EPA methods.

Hydraulic Lift and Sump Areas (GROUND FLOOR)

Soil borings B-13, B-14, and B-15 were located around the two hydraulic lifts, and B-16 was located around the sump. All borings were drilled to 25 feet below ground surface (see Figure 3 for detailed boring locations). Soil samples were collected at 5-, 10-, and 15-foot intervals. The soil-water interface was at 15 feet below ground surface. Based on field screening, two samples per boring were sent for laboratory analyses. Samples from B-13 had hydrocarbon odor and indicated the presence of petroleum hydrocarbons. Groundwater was encountered in all the borings. Water yield in the borings was low to intermittent due to the tight clay soil. Only boring B-13 yielded sufficient water. Soil and water samples were sent to the laboratory for chemical analyses.

Gasoline Tank Area (HARRISON STREET SIDEWALK)

Two underground storage tanks were installed at about 5 feet below the sidewalk on Harrison street. Soil borings B-17, B-18, B-19, and B-20 were located around the fill ends and pump ends of the tanks (see Figure 4 for detailed boring locations). Boring B-17, and B-19 were drilled to 5 feet below grade, and groundwater was reached.

Soil samples were collected at this depth. No samples were collected from B-18 because of auger refusal at about 3 to 4 feet below grade. Boring B-20 was drilled to 15 feet below grade. It was designed to characterize the subsurface following the sudden contact with groundwater. Groundwater and one soil sample were collected from B-17 and B-20. Groundwater samples were collected from B-19. All samples were sent to the laboratory for chemical analyses.

Pump Island And Piping Areas (GROUND FLOOR)

Soil boring B-21 was located between the tanks and dispensers and along the piping which was less than 20 linear feet. Borings B-22 and B-23 were located at the dispensers (see Figure 5 for detailed boring locations). Boring B-21 was drilled to 15 feet below grade because of past repairs performed along the piping. Borings B-22 and B-23 were drilled to 10 feet below grade. Dispenser pipings are usually 2 to 3 feet below ground surface. Based on field screening, two soil and groundwater samples were collected from B-21, B-22, and B-23, and sent to the laboratory for chemical analyses.

SITE GEOLOGY

During drilling in the basement the lithology encountered was mostly silty sand from surface to 8 feet below the basement floor. Groundwater was not encountered during drilling. Borings drilled in the ground floor (lift and sump areas), were mostly silty sand from grade to about 10 feet below grade. From here to 15 feet below grade it changed to clayey sand with low plasticity. At about 15 feet below grade the soil-water interface was reached. At the soil-water interface the soil type was mostly sandy clay. From here to 25 feet below grade the lithology gradually changed to clayey sand. Groundwater yield in the soil borings were intermittent to low.

During drilling at the gasoline tank area on Harrison Street sidewalk, and at the pump island on the ground floor, the lithology encountered was mostly clayey sand from the ground surface to 5 feet below ground surface. The clayey sand was saturated, and has low plasticity. Groundwater was encountered at about 3 to 5 feet below grade. Soil borings B-17, B-18, and B-19, were stopped at 5 feet below ground surface. In Borings B-20, B-21, B-22, and B-23, the clayey sand continued to 10 feet below ground surface. Borings B-22, and B-23 were stopped at 10 feet below ground surface. Borings B-20, and B-21 were drilled to 15 feet below ground surface. The lithology from 10 feet to 15 feet below grade gradually changed from clayey sand to silty sand.

LABORATORY ANALYSES AND RESULTS

Soils

Based on field screening, selected samples were sent to Carter Analytical Laboratories for chemical analyses. Detailed laboratory results are contained in Appendix B.

Waste Oil Tank and Piping Area (BASEMENT)

Soil samples collected from this area were analyzed for TPH-G, TPH-D, BTEX, priority metals, PCBs, and oil and grease. Oil and grease results for borings B-9 and B-10 were misplaced by Carter Laboratories. Laboratory results indicated the following:

1. Levels of TPH-G: 27.3 ppm in B1-2', 1.6 ppm in B3-2', 1.9 ppm in B4-2, 2.6 ppm in B7-2', and 2.44 ppm in B9-5'.
2. Levels of TPH-D: 55.7 ppm in B1-2', 1.5 ppm in B2-2', 1.6 ppm in B3-2', 24 ppm in B4-2', 2.5 ppm in B5-2', 24.3 ppm in B6-2', 6.3 ppm in B7-2', 2.9 ppm in B8-2', 11.1 ppm in B9-5', and 109 ppm in B10-8'.
3. Levels of BTEX: with exception of toluene all the parameters of BTEX were non-detectable or below the detection limits in samples B1-2' thru B8-2'. Toluene was non-detectable in B9-5' and B10-8'. *BT levels of BTEX encountered!!!*
4. Levels of Oil and Grease: 54.2 ppm in B1-2', 54.8 ppm in B4-2', 50.9 ppm in B5-2', 221 ppm in B7-2', 55.1 ppm in B8-2'.
5. Levels of chlorinated hydrocarbons: This compound was non-detectable or below detection limits in all the samples (B-1 thru B-10).
6. Levels of PCB: This compound was non-detectable or below detection limits in all the samples (B-1 thru B-10). ~~BT~~
7. Levels of priority pollutant metals: With the exception of Beryllium, Cadmium, and Silver, most of the metals were above the ten times levels of the STLC regulatory levels in all the samples (B-1 thru B-10). *List levels above STLC!!!*

Hydraulic Lift and Sump Areas (GROUND FLOOR)

Soil samples collected from borings B-13, B-14, B-15, and B-16 were analyzed for TPH-G, TPH-D, BTEX, PCBs, priority metals, and oil and grease. Laboratory results of TPH-D, TPH-G, BTEX, oil and grease for borings B-15 and B-16, and oil and grease analyses for B-13 and B-14, were misplaced by Carter Laboratory. Laboratory results indicated the following:

1. Levels of TPH-G: There were 83.2 ppm in B13-5', 135.0 ppm in B13-15', less than detection limit in B14-5', and 2.5 ppm in B14-15'.
2. Levels of TPH-D: There were 1.63 ppm in B13-5', less than detection limits in B13-15', and B14-5', and 17.3 in B14-15'.
3. Levels of BTEX: Toluene was detected in B13-5' and B13-15', at .068 ppm and .71 ppm respectively. Ethyl Benzene was detected only in B13-5' and Xylene was detected in B13-15'. In other samples the parameters of BTEX were not tested or were less than detection limits.
4. Levels of Priority Metals: The metals, Beryllium, Chromium, Molybdenum, and Zinc, were not detected in all the samples. The rest of the 17 metals were at levels that are ten times higher than the STLC Regulatory levels in all or some of the samples. *If they are higher 10x than.*
5. Levels of PCBs: This compound was less than detection limit in all the samples.
6. Levels of Chlorinated Hydrocarbons: This compound was less than detection limit in all the samples.

Gasoline Tank Area (HARRISON STREET SIDEWALK)

Soil samples collected from borings B-19 and B-20 were analyzed for TPH-G, TPH-D, and BTEX. Samples from B-17 were analyzed for priority metals, oil and grease, PCBs, and chlorinated hydrocarbons. Laboratory analyses indicated the following:

1. Levels of TPH-G: With the exception of samples from boring B-22, all the soil samples from this area were below County action levels of 10 ppm. Samples B22-5' and B22-10' had 42.3 ppm and 1540 ppm, respectively, of TPH-G.
2. Levels of TPH-D: There were 26.0 ppm in B23-5', 670.0 ppm in B22-5', 175.0 ppm in B22-10', 15.7 ppm in B21-10', 16.7 ppm in B21-5', 22.7 ppm in B21-15', 24.0 ppm in B20-5', and 28.0 ppm in B19-5'. Samples B23-10' and B20-15' had no detectable levels of TPH-D.

3. Levels of BTEX: Benzene was detected in sample B22-10 at a level of .987 ppm, and was less than detection limit in the rest of the samples. Toluene was detected in all the samples and the levels were above the detection limit of .005 ppm. Ethyl Benzene was only detected in B22-10' at 1.67 ppm, and it was less than detection limit of .005 ppm in the rest of the samples. Xylene was detected above detection limit of .005 ppm in B22-5', B22-10', B21-10', B21-5', B20-5', and B19-5', and it was below detection limits in the rest of the samples.
4. Levels of Total Oil and Grease: Soil samples B20-15' and B17-5' were analyzed. The levels were 35.2 ppm and 39.1 ppm for B20-15' and B17-15', respectively.
5. Levels of Chlorinated Hydrocarbons: Only sample B17-5' was analyzed. All the parameters analyzed were less than detection limits in the sample.
6. Levels of PCB: Samples B20-15', and B15-5' were analyzed. All the parameters were below detection limits in both samples.
7. Levels of Priority Metals: With the exception of Beryllium, Cadmium, Chromium, Cobalt, Molybdenum, Selenium, Silver, and Zinc, the rest of the 17 metals have more than ten times the STLC Regulatory levels.

Water Samples Results

Water samples were collected from borings B-13, B-17, B-20, B-21, B-22, and B-23. Detailed laboratory results are contained in Appendix C.

1. Levels of TPH-G: Water samples from four borings were analyzed. The levels were 60200.0 ppb in B-13, 96.0 ppb in B-17, 72.0 ppb in B-22, and 1020.0 ppb in B-23.
2. Levels of TPH-D: Water samples from borings B-13, B--17, B-22, and B-23 were analyzed. Results indicated that they were all less than detection limits.
3. Levels of BTEX: Water samples from borings B-13, B-17, B-22, and B-23, were analyzed. With the exception of B-21, Benzene was detected in all the samples, and levels ranged from 4.0 ppb to 55.0 ppb. Toluene was detected in B-13, B-17, B-22, and B-23, and the levels ranged from .7 ppb to 45.0 ppb. It was not detected in B-21. Ethyl Benzene was detected in B-13, and B-23, and the levels were 26.5 ppb and 2.0 ppb, respectively. The rest of the samples were less than detection limits. Xylene was detected in B-13, B-17,

When ever benzene is detected 115 FT.

B-22, and B-23, and the values ranged from 3.0 ppb to 242.0 ppb. It was less than detection limits in the rest of the samples.

4. Levels Of Oil And Grease: Water sample from B-13 was analyzed for Oil and Grease, and it had 9721 ppb.

Levels Of Chlorinated Hydrocarbons: Water sample from B-17 was analyzed for chlorinated hydrocarbons, and it had 30 ppb of Chloroform, and 2.4 of Bromodichloromethane. The rest of the parameters were less than detection limits.

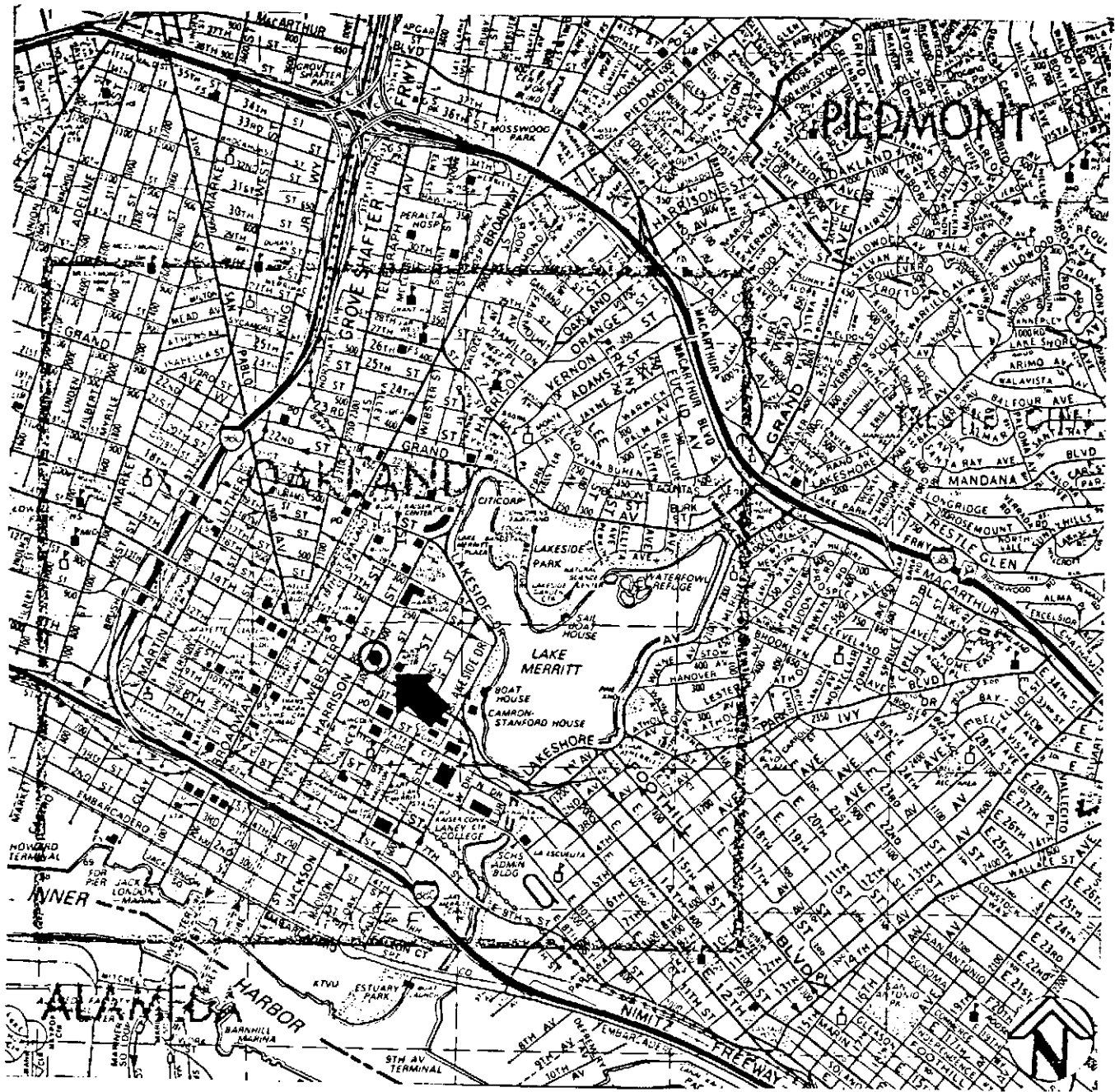
5. Levels of Total Lead: Water samples from B-20, B-21, B-22, and B-23 were analyzed for total lead, and the levels were 0.81 ppb, less than detection limit, 1.38 ppb, and 8.29 ppb, respectively.

6. Levels of Priority Pollutant Metals: Water sample from boring B-17 was analyzed for metals, and the results indicated that all the parameter were less than detection limits.

CONCLUSION

Based on the field observation, laboratory analyses and results of the subject site, the following conclusions were made:

1. The waste oil underground storage tanks in the basement appears to be covered by a concrete vault. There are traces of hydrocarbon compounds around the tank and along the piping in the basement.
2. The lift areas appears to indicate the presence of hydrocarbon compounds.
3. The tank area appears to indicate lower levels of hydrocarbon compounds.
4. The dispenser areas appears to indicate the presence of hydrocarbon compounds.



1432-1434 HARRISON STREET

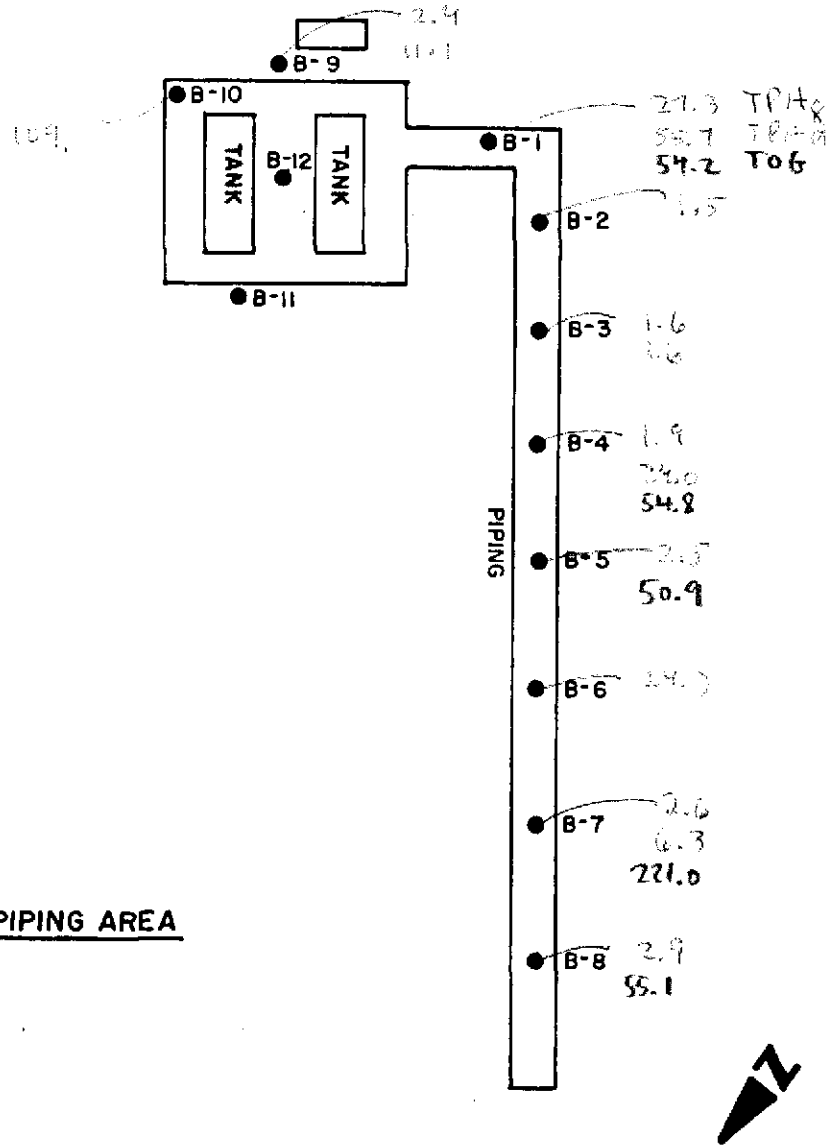
LOCAL AREA SITE LOCATION MAP

⊙ - SITE LOCATION
 FIGURE - I

ALICE

ST.

WASTE OIL TANK & PIPING AREA



Soil results

- = TPHg
- = TPHd
- = TOG

LEGEND:

● - BORING LOCATION

RG&A ENVIRONMENTAL INC.

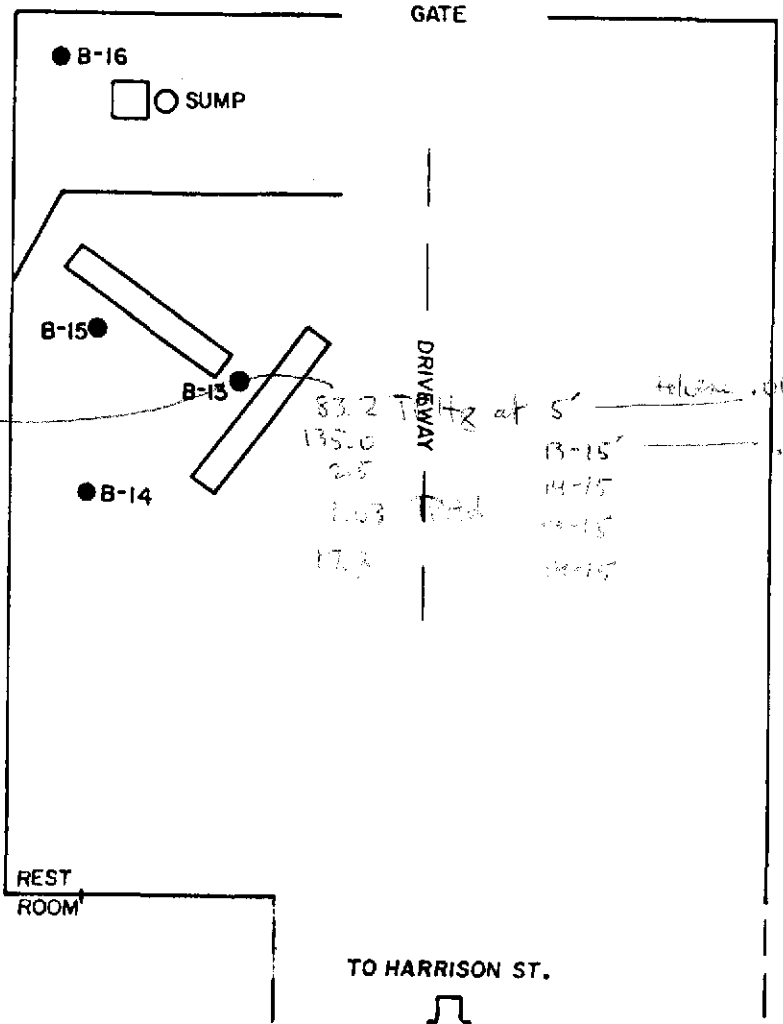
JOB CODE: 100801

SITE LOCATION: 1432-1434 HARRISON ST. OAKLAND

EMERYVILLE, CA

SCALE: 1" = 30' APPROX. FIGURE 2

BORING LOCATIONS - BASEMENT



water
 H₂O
 60, 200 ppb
 602 TPHg
 9721 T06
 ppb

DRIVEWAY
 at 5'
 33.2
 135.0
 2.5
 2.03
 17.3

soil
 13-15
 14-15
 15-15
 16-15

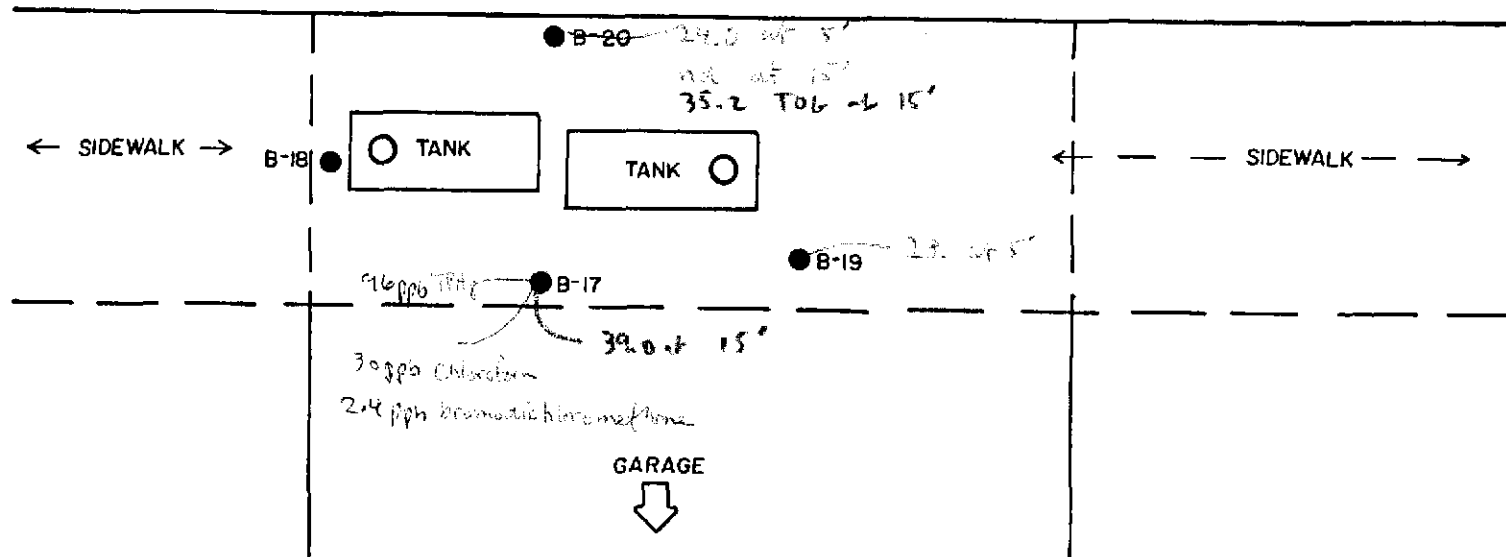
LIFT & SUMP AREA

TO HARRISON ST.

LEGEND:
 ● - BORING LOCATION

RGA ENVIRONMENTAL INC.	JOB CODE: 100601	SITE LOCATION: 1432-1434 HARRISON ST. OAKLAND
EMERYVILLE, CA	SCALE: 1" = 15' APPROX. FIGURE 3	BORING LOCATIONS - LIFT & SUMP AREA

HARRISON ST.



GASOLINE TANK AREA (SIDEWALK)

LEGEND:

● - BORING LOCATION

RG ENVIRONMENTAL INC.

JOB CODE 100801

SITE LOCATION: 1432 - 1434 HARRISON ST. OAKLAND

EMERYVILLE, CA

SCALE: 1" = 10' APPROX. FIGURE 4

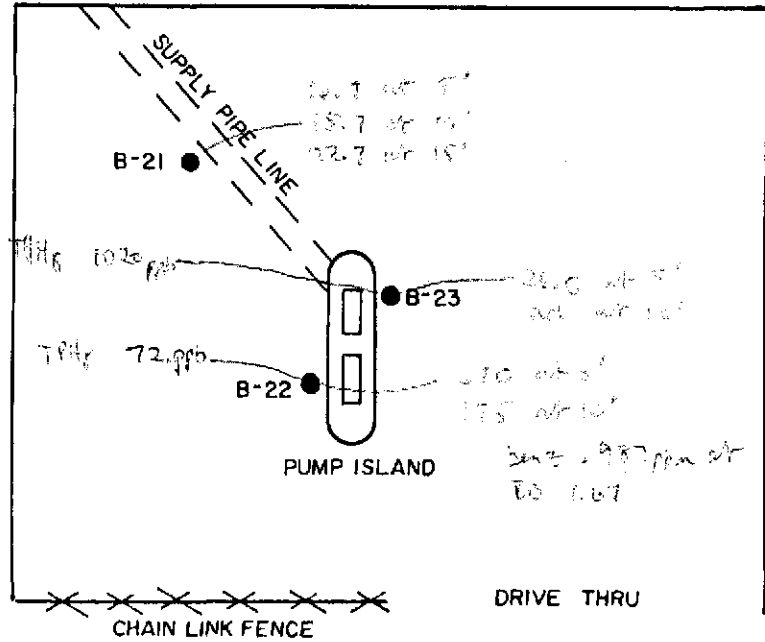
BORING LOCATIONS - GASOLINE TANK AREA

HARRISON ST.



← SIDEWALK →

(TANKS AREA)



PUMP ISLAND AREA



LEGEND:

● - BORING LOCATION

RG ENVIRONMENTAL INC.

JOB CODE: 100801

SITE LOCATION: 1432-1434 HARRISON ST. OAKLAND

EMERYVILLE, CA

SCALE: 1" = 10' APPROX., FIGURE 5

BORING LOCATIONS - PUMP ISLAND AREA

DRILLING AND LITHOLOGIC LOG

BORING #1 - 8

PROJECT: Harrison Garage Oakland CLIENT: Alvin H. Bacharach, Inc.
 PROJECT #: AHBI-100801 TOTAL DEPTH OF HOLE: 2 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: N/A
 DATE DRILLED: January 16, 1992 STATIC WATER LEVEL: _____
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLER TYPE: Zero Contamination Sampler
 DRILLING CO. RGA, INC. DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Wabuzoh REVIEWED BY: Ken Korford, CEG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDI-TION	BLOWS	PIPE	FILL
SILTY SAND: Brown, about 40% silt; about 60% very fine to fine, hard, rounded to subrounded sand; none to low dry strength; none to to low plasttcity; moist; no odor; no reaction with HCL; OVA .2 ppm.	0	SM					
	1						
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						
	21						
	22						
	23						
	24						
25							

RG A, INC.

1260 45th STREET, EMERYVILLE, CALIFORNIA 94608-1028

415/547-7771

DRILLING AND LITHOLOGIC LOG

BORING #9

PROJECT: Harrison Garage Oakland CLIENT: Alvin H. Bacharach, Inc
 PROJECT #: AHBI - 100801 TOTAL DEPTH OF HOLE: 5 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: N/A
 DATE DRILLED: January 22, 1992 STATIC WATER LEVEL: _____
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLERTYPE: Zero Contamination Sampler
 DRILLING CO. BGA, INC DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Wabuzoh REVIEWED BY: Ken Korford, CEG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDI-TION	BLOWS	PIPE	FILL
SILTY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded sand; about 40% silt; none to low dry strength; no plasticity; no odor; moist; no reaction with HCL; OVA 0 ppm.	0						
	1						
	2						
	3						
	4						
	5	SM	B9-5'	<input checked="" type="checkbox"/>			
	6						
	7						
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						
	21						
	22						
	23						
	24						
25							

RG A, INC.

1260 45th STREET, EMERYVILLE, CALIFORNIA 94608-1028

415/547-7771

DRILLING AND LITHOLOGIC LOG

BORING #10

PROJECT: Harrison Garage Oakland CLIENT: Alvin H. Bacharach, Inc.
 PROJECT #: AHBI-100801 TOTAL DEPTH OF HOLE: 8 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: N/A
 DATE DRILLED: January 22, 1992 STATIC WATER LEVEL: _____
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLERTYPE: Zero Contamination Sampler
 DRILLING CO. RGA, INC. DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Wabuzoh stem a REVIEWED BY: Ken Korford, CFG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDI-TION	BLOWS	PIPE	FILL
SILTY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded sand; about 40% silt; none to low dry strength; no plasticity; no odor; moist; no reaction with HCL; OVA 0 ppm.	0	SM	B10-8'				
	1						
	2						
	3						
	4						
	5						
	6						
	7						
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

RGA, INC.

1260 45th STREET, EMERYVILLE, CALIFORNIA 94608-1028

415/547-7771

DRILLING AND LITHOLOGIC LOG

BORING #13

PROJECT : Harrison Garage Oakland CLIENT: Alvin H. Bacharach, Inc.
 PROJECT #: AHBI - 100801 TOTAL DEPTH OF HOLE: 25 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: 15 Feet
 DATE DRILLED: January 21, 1992 STATIC WATER LEVEL: N/A
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLERTYPE: Zero Contamination Sampler
 DRILLING CO. RGA, INC. DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Wabuzoh REVIEWED BY: Ken Korford, CFG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDI-TION	BLOWS	PIPE	FILL
SILTY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded sand; about 40% silt; low dry strength; none to low plasticity; moist; odor; no reaction with HCL; OVA 50 ppm.	0						
	5	SM	B13-5'				
CLAYEY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded sand; about 40% clay; low dry strength; low plasticity; moist; odor; no reaction with HCL; OVA 60 ppm.	10	SC	B13-10				
SANDY CLAY: Brown; about 40% very fine to fine, hard, rounded sand; about 60% clay; low to medium dry strength; low plasticity; wet; odor; no reaction with HCL; OVA 30 ppm.	15	CL	B13-15				
CLAYEY SAND: Brown; about 60% very fine to fine, hard, rounded sand; about 40% clay; low to medium dry strength; low plasticity; saturated; odor; no reaction with HCL; OVA 30 ppm.	20	SC	B13-20				
CLAYEY SAND: Same As Above. OVA 20 ppm.	25						

RGA, INC.

1260 45th STREET, EMERYVILLE, CALIFORNIA 94608-1028

415/547-7771

DRILLING AND LITHOLOGIC LOG

BORING #14

PROJECT : Harrison Garage Oakland CLIENT : Alvin H. Bacharach, Inc.
 PROJECT # : AHBI - 100801 TOTAL DEPTH OF HOLE : 25 Feet DIAM. : 1 1/2 Inches
 LOCATION : 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR : 15 Feet
 DATE DRILLED : January 21, 1992 STATIC WATER LEVEL : N/A
 SCREEN DIAMETER : N/A LENGTH : _____ SLOT SIZE : _____
 CASING DIAMETER : N/A LENGTH : _____ SAMPLERTYPE : Zero Contamination Sampler
 DRILLING CO. : RGA, INC. DRILLING METHOD : Hollow Stem Auger
 LOGGED BY : Chris Wabuzoh REVIEWED BY : Ken Korford, CEG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDI-TION	BLOWS	PIPE	FILL
SILTY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded sand; about 40% silt; low dry strength; none to low plasticity; moist no odor; no reaction with HCL; OVA .4 ppm.	0						
	5	SM	B14-5'				
CLAYEY SAND: Brown; about 60% very fine to fine hard, subrounded to rounded sand; about 40% clay; low dry strength; low plasticity; moist; no odor; no reaction with HCL; OVA .3 ppm.	10	SC	B14-10				
SANDY CLAY: Brown; about 40% very fine to fine, hard, rounded sand; about 60% clay; low to medium dry strength; low plasticity; wet; no odor; no reaction with HCL; OVA .2 ppm.	15	CL	B14-15				
CLAYEY SAND: Brown; about 60% very fine to fine, hard, rounded sand; about 40% clay; low to medium dry strength; low to medium plasticity; saturated; no odor; no reaction with HCL; OVA .1 ppm.	20	SC					
CLAYE SAND: Same As Above	25	SC					

RG A, INC.

1260 45th STREET, EMERYVILLE, CALIFORNIA 94608-1028 415/547-7771

DRILLING AND LITHOLOGIC LOG

BORING #15

PROJECT: Harrison Garage Oakland CLIENT: Alvin H. Bacharach, Inc
 PROJECT #: AHBL-100801 TOTAL DEPTH OF HOLE: 25 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: 15 Feet
 DATE DRILLED: January 27, 1992 STATIC WATER LEVEL: N/A
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLER TYPE: Zero Contamination Sampler
 DRILLING CO. RG, INC DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Wabuzoh REVIEWED BY: Ken Korford, CEG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDITION	BLOWS	PIPE	FILL
SILTY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded; about 40% silt; low to medium dry strength; low plasticity; moist; no odor; no reaction with HCL; OVA .3 ppm.	0						
	5	SM	B15-5'				
CLAYEY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded; about 40% clay; low to medium dry strength; low plasticity; moist; no odor; no reaction with HCL; OVA .3 ppm.	10	SC	B15-10				
SANDY CLAY: Brown; about 40% very fine to fine, hard, rounded sand; about 60% clay; low to medium dry strength; low to medium plasticity; wet; no odor; no reaction with HCL; OVA .1 ppm.	15	CL	B15-15				
CLAYEY SAND: Brown; about 60% very fine, hard, rounded sand; about 40% clay; low to medium dry strength; low to medium plasticity; saturated; no odor; no reaction with HCL; OVA .1 ppm.	20	SC	B15-20				
CLAYEY SAND: Same As Above.	25	SC	B15-25				

RG, INC.

1260 45th STREET, EMERYVILLE, CALIFORNIA 94608-1028

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DRILLING AND LITHOLOGIC LOG

BORING #16

PROJECT: Harrison Garage Oakland CLIENT: Alvin H. Bacharach, Inc.
 PROJECT #: AHBI-100801 TOTAL DEPTH OF HOLE: 25 Feet DIAM. 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: 15 Feet
 DATE DRILLED: January 30, 1992 STATIC WATER LEVEL: N/A
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLERTYPE: Zero Contamination Sampler
 DRILLING CO. RGA, INC. DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Wabuzoh REVIEWED BY: Ken Korford

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDITION	BLOWS	PIPE	FILL
SILTY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded sand; about 40% clay; low to medium dry strength; low plasticity; moist; no odor; no reaction with HCL; OVA .3 ppm	0						
	5	SM	B16-5'	<input checked="" type="checkbox"/>			
CLAYEY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded sand; about 40% clay; low to medium dry strength; low plasticity, moist; no odor; no reaction with HCL; OVA .2 ppm.	10	SC	B16-10	<input checked="" type="checkbox"/>			
SANDY CLAY: Brown; about 40% very fine to fine, hard, rounded sand; about 60% clay; low to medium dry strength; low to medium plasticity; wet; no odor; no reaction with HCL; OVA .1 ppm.	15	CL	B16-15	<input checked="" type="checkbox"/>			
CLAYEY SAND: Brown; about 60% very fine, hard, rounded sand; about 40% clay; low to medium dry strength; low to medium plasticity; saturated; no odor; no reaction with HCL; OVA 0 ppm.	20	SC	B16-20	<input checked="" type="checkbox"/>			
CLAYEY SAND: Same As Above	25	SC	B16-25				

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DRILLING AND LITHOLOGIC LOG

BORING #17

PROJECT : Harrison Garage Oakland CLIENT: Avin H. Bacharach, Inc
 PROJECT #: AHBI - 100801 TOTAL DEPTH OF HOLE: .5 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: 4 Feet
 DATE DRILLED: January 30, 1992 STATIC WATER LEVEL: N/A
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLERTYPE: Closed Spoon Sampler
 DRILLING CO. RGA, INC. DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Wabuzoh REVIEWED BY: Ken Koford, CEG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDI-TION	BLOWS	PIPE	FILL
CLAYEY SAND: Brown; about 60% very fine to fine, hard, rounded to subrounded sand; about 40% clay; low to medium dry strength; low plasticity; wet; no odor; no reaction with HCL; OVA 1 ppm. ▼	0						
	5	SC	B17-5	<input checked="" type="checkbox"/>			
	10						
	15						
	20						
	25						

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DRILLING AND LITHOLOGIC LOG

BORING #19

PROJECT: Harrison Garage, Oakland CLIENT: Alvin H. Bacharach, Inc
 PROJECT #: AHBI - 100801 TOTAL DEPTH OF HOLE: 5 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: 5 Feet
 DATE DRILLED: February 3, 1992 STATIC WATER LEVEL: N/A
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLER TYPE: Closed Spoon Sampler
 DRILLING CO. RGA INC. DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Nwabuzoh REVIEWED BY: Ken Korford, CEG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDITION	BLOWS	PIPE	FILL
CLAYEY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded sand; about 40% clay; low to medium dry strength; low plasticity; wet; no odor; no reaction with HCL; OVA .3 ppm.	0	SC	B19-5				
	5			<input checked="" type="checkbox"/>			
	10						
	15						
	20						
	25						

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DRILLING AND LITHOLOGIC LOG

BORING # 20

PROJECT: Harrison Garage, Oakland CLIENT: Alvin H. Bacharach, Inc.
 PROJECT #: AHBI-100801 TOTAL DEPTH OF HOLE: 5 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: 5 Feet
 DATE DRILLED: February 3, 1992 STATIC WATER LEVEL: _____
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLERTYPE: Closed Spoon Sampler
 DRILLING CO. RG, INC. DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Nwabuzoh REVIEWED BY: Ken Korford, CEG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDI-TION	BLOWS	PIPE	FILL
CLAYEY SAND: Brown; about 60% of fine, hard, subrounded to rounded sand; about 40% clay; low to medium dry strength; low plasticity, wet, no odor; no reaction with HCL; OVA .5 ppm.	0	SC	B20-5				
	5			<input checked="" type="checkbox"/>			
	10						
	15						
	20						
	25						

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DRILLING AND LITHOLOGIC LOG

BORING #21

PROJECT: Harrison Garage Oakland CLIENT: Alvin H. Bacharach, Inc.
 PROJECT #: AHBI-100801 TOTAL DEPTH OF HOLE: 15 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: 5 Feet
 DATE DRILLED: February 5, 1992 STATIC WATER LEVEL: N/A
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLER TYPE: Zero Contamination Sampler
 DRILLING CO. RGA, INC. DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Wabuzoh REVIEWED BY: Ken Korford, CEG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDITION	BLOWS	PIPE	FILL
<p>CLAYEY SAND: Brown; about 70% fine to coarse, hard, subrounded to rounded sand; about 30% clay; low dry strength; none to low plasticity; saturated; no odor; no reaction with HCL; OVA 0 ppm.</p> <p>CLAYEY SAND: Same As Above.</p> <p>SILTY SAND: Brown; about 60% very fine to fine, hard subrounded to rounded sand; about 40% silt; low dry strength; none to low plasticity; saturated; no odor; no reaction with HCL; OVA 0 ppm.</p>	0						
	5	SC	B21-5'				
	10	SC	B21-10				
	15	SM	B21-15				
	20						
	25						

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DRILLING AND LITHOLOGIC LOG

BORING #22

PROJECT: Harrison Garage Oakland CLIENT: Alvin H. Bacharach, Inc
 PROJECT #: AHBI - 100801 TOTAL DEPTH OF HOLE: 10 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: 5 Feet
 DATE DRILLED: February 5, 1992 STATIC WATER LEVEL: N/A
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLER TYPE: Zero Contamination Sampler
 DRILLING CO. RGA, INC. DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Wabuzoh REVIEWED BY: Ken Korford, CEG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USCS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDITION	BLOWS	PIPE	FILL
CLAYEY SAND: Brown; about 70% very fine to fine, hard, subrounded to rounded sand; about 30% clay; low dry strength; none to low plasticity; saturated; no odor; no reaction with HCL; OVA 5 ppm.	0						
	5	SC	B22-5'				
CLAYEY SAND: Same As Above. OVA 2 ppm.	10	SC	B22-10				
	15						
	20						
	25						

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DRILLING AND LITHOLOGIC LOG

BORING #23

PROJECT: Harrison Garage Oakland CLIENT: Alvin H. Bacharach, Inc
 PROJECT #: AHBI-100801 TOTAL DEPTH OF HOLE: 10 Feet DIAM.: 1 1/2 Inches
 LOCATION: 1432 Harrison Street, Oakland, California INITIAL DEPTH - TO GRNDWATR: 5 Feet
 DATE DRILLED: February 5, 1992 STATIC WATER LEVEL: N/A
 SCREEN DIAMETER: N/A LENGTH: _____ SLOT SIZE: _____
 CASING DIAMETER: N/A LENGTH: _____ SAMPLER TYPE: Zero Contamination Sampler
 DRILLING CO. RGA, INC DRILLING METHOD: Hollow Stem Auger
 LOGGED BY: Chris Wabuzoh REVIEWED BY: Ken Korford, CEG #505

CORE SAMPLE CONDITION LEGEND : UNDISTURBED DISTURBED NO RECOVERY

DESCRIPTION	DEPTH	USGS SYMBOL	SAMPLES			WELL CONSTR.	
			NUMBER	CONDI-TION	BLOWS	PIPE	FILL
CLAYEY SAND: Brown; about 70% very fine to fine, hard, subrounded to rounded sand; about 30% clay; low dry strength; none to low plasticity; saturated; slight odor; no reaction with HCL; OVA 20 ppm.	0						
	5	SC	B23-5	<input checked="" type="checkbox"/>			
CLAYEY SAND: Same As Above. OVA 10 ppm.	10	SC	B23-10	<input checked="" type="checkbox"/>			
	15						
	20						
	25						

RGA, INC.

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ENVIRONMENTAL ANALYSIS REPORT

CARTER ANALYTICAL LABORATORY, INC.

590 DIVISION STREET • CAMPBELL, CA 95008 • (408) 364-3030 • FAX (408) 866-0319

ANALYSIS REPORT
FOR

RGA Environmental Consulting
1260 45th Street
Emeryville, CA 94608

CONTACT: Chris Nwabuzoh

DATE: 02-12-92

CHAIN OF CUSTODY ID NO: AHB1-100801

ORDER NO: 12206-TD P.O. NO: AHB1-100801

SITE DESCRIPTION: Harrison St. Garage
1432 Harrison St.
Oakland, CA

SAMPLE DESCRIPTION:

Soil
Sampled: 01-16-92
Received: 01-17-92
Analyzed: 01-30-92 (by an independent laboratory)
Number of Samples: 8

REQUESTED ANALYSIS:

Methods: EPA 8240

The analyses reported are considered accurate. Should you wish further support for the reported data, submit your requirements in writing within 10 days. It is Carter Analytical Labs intent to give you complete satisfaction. Please reference the order number when communicating with us. The invoice is due and payable within 30 days from invoice date.

Hazardous Materials Certification No: 304 • Drinking Water Certification No: 953
from the
State of California • Department of Health Services

CARTER ANALYTICAL LABORATORY, INC.

590 DIVISION STREET • CAMPBELL, CA 95008 • (408) 364-3030 • FAX (408) 866-0319

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

EPA 8240 Analysis

<u>Compounds</u>	<u>L1</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>	<u>L2</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>
Chloroethane	LDL	1100.	LDL	8.7
Bromomethane	LDL	1100.	LDL	8.7
Vinyl chloride	LDL	1100.	LDL	8.7
Chloromethane	LDL	1100.	LDL	8.7
Methylene chloride	LDL	1100.	LDL	8.7
Trichlorofluoromethane	LDL	1100.	LDL	8.7
1,1-Dichloroethene	LDL	1100.	LDL	8.7
1,1-Dichloroethane	LDL	1100.	LDL	8.7
trans-1,2-Dichloroethene	LDL	1100.	LDL	8.7
Chloroform	LDL	1100.	LDL	8.7
1,2-Dichloroethane	LDL	1100.	LDL	8.7
1,1,1-Trichloroethane	LDL	1100.	LDL	8.7
Carbon tetrachloride	LDL	1100.	LDL	8.7
Bromodichloromethane	LDL	1100.	LDL	8.7
1,2-Dichloropropane	LDL	1100.	LDL	8.7
trans-1,3-Dichloropropene	LDL	1100.	LDL	8.7
1,1,2-Trichloroethane	LDL	1100.	LDL	8.7
Trichloroethene	LDL	1100.	LDL	8.7
Benzene	LDL	1100.	LDL	8.7
2-Chloroethylvinyl ether	LDL	1100.	LDL	8.7
Dibromochloromethane	LDL	1100.	LDL	8.7
cis-1,3-Dichloropropene	LDL	1100.	LDL	8.7
Bromoform	LDL	1100.	LDL	8.7
1,1,2,2-Tetrachloroethane	LDL	1100.	LDL	8.7
Tetrachloroethene	LDL	1100.	LDL	8.7
Toluene	LDL	1100.	LDL	8.7
Chlorobenzene	LDL	1100.	LDL	8.7
Ethylbenzene	LDL	1100.	LDL	8.7
1,3-Dichlorobenzene	LDL	1100.	LDL	8.7
1,2-Dichlorobenzene	LDL	1100.	LDL	8.7
1,4-Dichlorobenzene	LDL	1100.	LDL	8.7

Surrogate Percent Recovery

Bromochloromethane:	84.	72.
1-Chloro,2-Bromopropane:	90.	101.
1,4-Dichlorobutane:	71.	124.

LDL means results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

EPA 8240 Analysis

<u>Compounds</u>	<u>L3</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>	<u>L4</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>
Chloroethane	LDL	6.7	LDL	440.
Bromomethane	LDL	6.7	LDL	440.
Vinyl chloride	LDL	6.7	LDL	440.
Chloromethane	LDL	6.7	LDL	440.
Methylene chloride	LDL	6.7	LDL	440.
Trichlorofluoromethane	LDL	6.7	LDL	440.
1,1-Dichloroethene	LDL	6.7	LDL	440.
1,1-Dichloroethane	LDL	6.7	LDL	440.
trans-1,2-Dichloroethene	LDL	6.7	LDL	440.
Chloroform	LDL	6.7	LDL	440.
1,2-Dichloroethane	LDL	6.7	LDL	440.
1,1,1-Trichloroethane	LDL	6.7	LDL	440.
Carbon tetrachloride	LDL	6.7	LDL	440.
Bromodichloromethane	LDL	6.7	LDL	440.
1,2-Dichloropropane	LDL	6.7	LDL	440.
trans-1,3-Dichloropropene	LDL	6.7	LDL	440.
1,1,2-Trichloroethane	LDL	6.7	LDL	440.
Trichloroethene	LDL	6.7	LDL	440.
Benzene	LDL	6.7	LDL	440.
2-Chloroethylvinyl ether	LDL	6.7	LDL	440.
Dibromochloromethane	LDL	6.7	LDL	440.
cis-1,3-Dichloropropene	LDL	6.7	LDL	440.
Bromoform	LDL	6.7	LDL	440.
1,1,2,2-Tetrachloroethane	LDL	6.7	LDL	440.
Tetrachloroethene	LDL	6.7	LDL	440.
Toluene	LDL	6.7	LDL	440.
Chlorobenzene	LDL	6.7	LDL	440.
Ethylbenzene	LDL	6.7	LDL	440.
1,3-Dichlorobenzene	LDL	6.7	LDL	440.
1,2-Dichlorobenzene	LDL	6.7	LDL	440.
1,4-Dichlorobenzene	LDL	6.7	LDL	440.

Surrogate Percent Recovery

Bromochloromethane:	87.	89.
1-Chloro,2-Bromopropane:	94.	96.
1,4-Dichlorobutane:	74.	82.

LDL means results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

EPA 8240 Analysis

<u>Compounds</u>	<u>L5 (ug/Kg)</u>	<u>Detection Limit (ug/Kg)</u>	<u>L6 (ug/Kg)</u>	<u>Detection Limit (ug/Kg)</u>
Chloroethane	LDL	6.7	LDL	50.
Bromomethane	LDL	6.7	LDL	50.
Vinyl chloride	LDL	6.7	LDL	50.
Chloromethane	LDL	6.7	LDL	50.
Methylene chloride	LDL	6.7	LDL	50.
Trichlorofluoromethane	LDL	6.7	LDL	50.
1,1-Dichloroethene	LDL	6.7	LDL	50.
1,1-Dichloroethane	LDL	6.7	LDL	50.
trans-1,2-Dichloroethene	LDL	6.7	LDL	50.
Chloroform	LDL	6.7	LDL	50.
1,2-Dichloroethane	LDL	6.7	LDL	50.
1,1,1-Trichloroethane	LDL	6.7	LDL	50.
Carbon tetrachloride	LDL	6.7	LDL	50.
Bromodichloromethane	LDL	6.7	LDL	50.
1,2-Dichloropropane	LDL	6.7	LDL	50.
trans-1,3-Dichloropropene	LDL	6.7	LDL	50.
1,1,2-Trichloroethane	LDL	6.7	LDL	50.
Trichloroethene	LDL	6.7	LDL	50.
Benzene	LDL	6.7	LDL	50.
2-Chloroethylvinyl ether	LDL	6.7	LDL	50.
Dibromochloromethane	LDL	6.7	LDL	50.
cis-1,3-Dichloropropene	LDL	6.7	LDL	50.
Bromoform	LDL	6.7	LDL	50.
1,1,2,2-Tetrachloroethane	LDL	6.7	LDL	50.
Tetrachloroethene	LDL	6.7	LDL	50.
Toluene	LDL	6.7	LDL	50.
Chlorobenzene	LDL	6.7	LDL	50.
Ethylbenzene	LDL	6.7	LDL	50.
1,3-Dichlorobenzene	LDL	6.7	LDL	50.
1,2-Dichlorobenzene	LDL	6.7	LDL	50.
1,4-Dichlorobenzene	LDL	6.7	LDL	50.

Surrogate Percent Recovery

Bromochloromethane:	82.	93.
1-Chloro,2-Bromopropane:	93.	102.
1,4-Dichlorobutane:	78.	87.

LDL means results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

EPA 8240 Analysis

<u>Compounds</u>	<u>L7</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>	<u>L8</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>
Chloroethane	LDL	100.	LDL	10.
Bromomethane	LDL	100.	LDL	10.
Vinyl chloride	LDL	100.	LDL	10.
Chloromethane	LDL	100.	LDL	10.
Methylene chloride	LDL	100.	LDL	10.
Trichlorofluoromethane	LDL	100.	LDL	10.
1,1-Dichloroethene	LDL	100.	LDL	10.
1,1-Dichloroethane	LDL	100.	LDL	10.
trans-1,2-Dichloroethene	LDL	100.	LDL	10.
Chloroform	LDL	100.	LDL	10.
1,2-Dichloroethane	LDL	100.	LDL	10.
1,1,1-Trichloroethane	LDL	100.	LDL	10.
Carbon tetrachloride	LDL	100.	LDL	10.
Bromodichloromethane	LDL	100.	LDL	10.
1,2-Dichloropropane	LDL	100.	LDL	10.
trans-1,3-Dichloropropene	LDL	100.	LDL	10.
1,1,2-Trichloroethane	LDL	100.	LDL	10.
Trichloroethene	LDL	100.	LDL	10.
Benzene	LDL	100.	LDL	10.
2-Chloroethylvinyl ether	LDL	100.	LDL	10.
Dibromochloromethane	LDL	100.	LDL	10.
cis-1,3-Dichloropropene	LDL	100.	LDL	10.
Bromoform	LDL	100.	LDL	10.
1,1,2,2-Tetrachloroethane	LDL	100.	LDL	10.
Tetrachloroethene	LDL	100.	LDL	10.
Toluene	170.	100.	LDL	10.
Chlorobenzene	LDL	100.	LDL	10.
Ethylbenzene	LDL	100.	LDL	10.
1,3-Dichlorobenzene	LDL	100.	LDL	10.
1,2-Dichlorobenzene	LDL	100.	LDL	10.
1,4-Dichlorobenzene	LDL	100.	LDL	10.

Surrogate Percent Recovery

Bromochloromethane:	92.	91.
1-Chloro,2-Bromopropane:	91.	99.
1,4-Dichlorobutane:	74.	78.

LDL means results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

EPA 8240 Analysis

<u>Compounds</u>	<u>Blank (ug/Kg)</u>	<u>Detection Limit (ug/Kg)</u>
Chloroethane	LDL	6.7
Bromomethane	LDL	6.7
Vinyl chloride	LDL	6.7
Chloromethane	LDL	6.7
Methylene chloride	7.8	6.7
Trichlorofluoromethane	LDL	6.7
1,1-Dichloroethene	LDL	6.7
1,1-Dichloroethane	LDL	6.7
trans-1,2-Dichloroethene	LDL	6.7
Chloroform	LDL	6.7
1,2-Dichloroethane	LDL	6.7
1,1,1-Trichloroethane	LDL	6.7
Carbon tetrachloride	LDL	6.7
Bromodichloromethane	LDL	6.7
1,2-Dichloropropane	LDL	6.7
trans-1,3-Dichloropropene	LDL	6.7
1,1,2-Trichloroethane	LDL	6.7
Trichloroethene	LDL	6.7
Benzene	LDL	6.7
2-Chloroethylvinyl ether	LDL	6.7
Dibromochloromethane	LDL	6.7
cis-1,3-Dichloropropene	LDL	6.7
Bromoform	LDL	6.7
1,1,2,2-Tetrachloroethane	LDL	6.7
Tetrachloroethene	LDL	6.7
Toluene	LDL	6.7
Chlorobenzene	LDL	6.7
Ethylbenzene	LDL	6.7
1,3-Dichlorobenzene	LDL	6.7
1,2-Dichlorobenzene	LDL	6.7
1,4-Dichlorobenzene	LDL	6.7

Surrogate Percent Recovery

Bromochloromethane:	88.
1-Chloro,2-Bromopropane:	90.
1,4-Dichlorobutane:	60.

LDL means results were less than detection limit.

=====

CARTER ANALYTICAL LABORATORY

A. E. Robinson
 Dr. A. Edward Robinson
 Laboratory Manager

J. L. Carter
 J. L. Carter
 QAQC Manager

COMPANY RGA
 ADDRESS 1260 45th St
 CITY Emeryville STATE CA ZIP 94608

Case 101
 Ref. No. 80#18144
4-28
 TO: 80#18206-21-28
 Carter Analytical Laboratory, Inc.
 (408) 364-3030 • (408) 866-0319 (FAX)

Chain of Custody

PROJECT NO.	SITE NAME & ADDRESS	DATE SAMPLE TAKEN	ANALYSIS	REMARKS
A#81 - 100801	Harrison St Garage, 1432 Harrison St. Oakland, CA		TPH-A TPH-B OILS BTX CLHC Priority Metals PCBs EPA 813-2 EPA 810 EPA 808 EPA 810 EPA 820	
L1	B1 - 2'	1-16	✓	✓
L2	B2 - 2'	1-16	✓	✓
L3	B3 - 2'	1-16	✓	✓
L4	B4 - 2'	1-16	✓	✓
L5	B5 - 2'	1-16	✓	✓
L6	B6 - 2'	1-16	✓	✓
L7	B7 - 2'	1-16	✓	✓
L8	B8 - 2'	1-16	✓	✓
S.O. 12194				
8012206				
Relinquished By: (Signature): <u>Chris Newbuck</u>	Date: <u>1-17-92</u>	Received By: (Signature): <u>Leborah Richmond</u>	Date: <u>1/17/92</u>	Remarks: <u>Samples rec'd. cold / good condition</u>
Relinquished By: (Signature): <u>Leborah Richmond</u>	Date: <u>1/20/92</u>	Received By: (Signature): <u>Franzke</u>	Date: <u>1/20/92</u>	Remarks:
Relinquished By: (Signature): <u>Franzke</u>	Date: <u>1/29/92</u>	Received By: (Signature): <u>Leborah Richmond</u>	Date: <u>1/29/92</u>	Remarks:
Relinquished By: (Signature): <u>Leborah Richmond</u>	Date: <u>1/29/92</u>	Received By: (Signature): <u>Don Ibe</u>	Date: <u>1/29/92</u>	Remarks:

ENVIRONMENTAL ANALYSIS REPORT

CARTER ANALYTICAL LABORATORY, INC.

590 DIVISION STREET • CAMPBELL, CA 95008 • (408) 364-3030 • FAX (408) 866-0319

ANALYSIS REPORT
FOR

RGA Environmental Consulting
1260 45th Street
Emeryville, CA 94608

CONTACT: Chris Nwabuzoh

DATE: 01-30-92

CHAIN OF CUSTODY ID NO: AHB1-100801

ORDER NO: 12144-TD P.O. NO: AHB1-100801

SITE DESCRIPTION: Harrison St.
Crarafe, 1432
Harrison St. Daklantz
CA

SAMPLE DESCRIPTION:

Soil
Sampled: 01-16-92
Received: 01-17-92
Analyzed: 01-24-92
Number of Samples: 8

REQUESTED ANALYSIS:

Methods: Total Petroleum Hydrocarbons as Gasoline (TPH-G)
as Diesel (TPH-D) and Benzene, Toluene, Ethyl Benzene,
and Xylenes (BTEX), EPA 413.2, EPA 6010, EPA 8010,
EPA 8080

The analyses reported are considered accurate. Should you wish further support for the reported data, submit your requirements in writing within 10 days. It is Carter Analytical Labs intent to give you complete satisfaction. Please reference the order number when communicating with us. The invoice is due and payable within 30 days from invoice date.

Hazardous Materials Certification No: 304 • Drinking Water Certification No: 953
from the
State of California • Department of Health Services

CARTER ANALYTICAL LABORATORY, INC.

590 DIVISION STREET • CAMPBELL, CA 95008 • (408) 364-3030 • FAX (408) 866-0319

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

Hydrocarbons and BTEX Analysis of Soil

<u>Sample Number</u>	<u>TPH-G (mg/Kg)</u>	<u>TPH-D (mg/Kg)</u>	<u>Benzene (mg/Kg)</u>	<u>Toluene (mg/Kg)</u>	<u>Ethyl Benzene (mg/Kg)</u>	<u>Xylenes (mg/Kg)</u>
L1	27.3	55.7	LDL	3.0	0.23	LDL
L2	LDL	1.5	LDL	0.10	LDL	LDL
L3	1.6	1.6	LDL	1.1	LDL	LDL
L4	1.9	24.1	LDL	0.8	LDL	LDL
L5	LDL	2.5	LDL	0.4	LDL	LDL
L6	LDL	24.3	LDL	0.4	LDL	LDL
L7	2.6	6.3	LDL	1.6	LDL	LDL
L8	LDL	2.9	LDL	0.04	LDL	LDL
DL:	1.0	1.0	0.005	0.005	0.005	0.005
AR (%):	82.6	86.9	---	122.8	---	---

LDL indicates results are less than detection limit.

DL = Detection Limit

AR = Average Recovery

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

EPA 413.2 Analysis

<u>Sample</u>	<u>Concentration</u> <u>(mg/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(mg/Kg)</u>
L1	54.2	20.0
L2	LDL	20.0
L3	LDL	20.0
L4	54.8	20.0
L5	50.9	20.0
L6	LDL	20.0
L7	221.	20.0
L8	55.1	20.0

LDL means results were less than detection limit.

Sample	Customer Label	Description
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

Sample Preparation

The samples were prepared according to Title 22, Section 66700; Total Threshold Limit Concentration (TTLC) procedures.

EPA 6010 Analysis

Metal	L1 (mg/Kg)	L2 (mg/Kg)	L3 (mg/Kg)	L4 (mg/Kg)	TTLC Regulatory Levels	Detection Limits (mg/Kg)
Antimony	20.1	18.9	18.7	23.8	500	1.5
Arsenic	35.3	39.5	40.2	42.9	500	1.56
Barium	80.5	LDL	32.6	39.2	10000	.30
Beryllium	LDL	LDL	LDL	LDL	75	0.15
Cadmium	LDL	LDL	LDL	LDL	100	0.153
Chromium	40.8	25.3	43.6	49.2	2500	0.15
Cobalt	6.91	2.0	7.54	8.28	8000	0.25
Copper	6.20	LDL	4.87	5.35	2500	0.75
Lead	LDL	LDL	LDL	LDL	1000	2.2
Mercury	50.7	49.7	54.2	66.5	20	2.0
Molybdenum	33.6	9.81	34.8	39.4	3500	0.55
Nickel	21.9	16.9	33.6	45.6	2000	0.55
Selenium	15.3	LDL	17.0	19.2	100	7.5
Silver	LDL	LDL	LDL	LDL	500	0.25
Thallium	10.4	12.8	12.1	16.2	700	3.25
Vanadium	27.6	11.0	29.5	31.0	2400	1.6
Zinc	385.2	21.2	19.9	23.2	5000	0.45

Metal	L5 (mg/Kg)	L6 (mg/Kg)	L7 (mg/Kg)	L8 (mg/Kg)	TTLC Regulatory Levels	Detection Limits (mg/Kg)
Antimony	22.8	20.5	22.3	19.7	500	1.5
Arsenic	47.3	42.2	45.3	39.2	500	1.56
Barium	45.5	47.5	42.3	29.9	10000	.30
Beryllium	LDL	LDL	LDL	LDL	75	0.15
Cadmium	LDL	LDL	LDL	LDL	100	0.153
Chromium	50.9	46.6	48.3	38.9	2500	0.15
Cobalt	9.34	8.34	9.22	6.74	8000	0.25
Copper	5.32	4.87	6.20	4.34	2500	0.75
Lead	LDL	LDL	LDL	LDL	1000	2.2
Mercury	73.0	66.7	74.2	52.9	20	2.0
Molybdenum	43.1	40.3	49.5	34.7	3500	0.55
Nickel	47.2	41.4	36.3	30.8	2000	0.55
Selenium	19.2	16.9	18.9	15.3	100	7.5
Silver	LDL	LDL	LDL	LDL	500	0.25
Thallium	20.9	15.6	15.9	17.0	700	3.25
Vanadium	32.1	27.2	27.9	24.4	2400	1.6
Zinc	21.4	20.1	90.9	17.5	5000	0.45

LDL means results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

EPA 8010 Analysis

<u>Compound</u>	<u>L1</u> <u>(ug/Kg)</u>	<u>L2</u> <u>(ug/Kg)</u>	<u>L3</u> <u>(ug/Kg)</u>	<u>L4</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>
Benzyl chloride	LDL	LDL	LDL	LDL	1.
Bis(2-chloroethoxy)methane	LDL	LDL	LDL	LDL	1.
Bromobenzene	LDL	LDL	LDL	LDL	1.
Bromodichloromethane	LDL	LDL	LDL	LDL	0.10
Bromoform	LDL	LDL	LDL	LDL	0.20
Bromomethane	LDL	LDL	LDL	LDL	1.0
Carbon tetrachloride	LDL	LDL	LDL	LDL	0.12
Chlorobenzene	LDL	LDL	LDL	LDL	0.25
Chloroethane	LDL	LDL	LDL	LDL	0.52
2-Chloroethylvinyl ether	LDL	LDL	LDL	LDL	0.13
Chloroform	LDL	LDL	LDL	LDL	0.05
1-Chlorohexane	LDL	LDL	LDL	LDL	1.
Chloromethane	LDL	LDL	LDL	LDL	0.08
Chloromethyl methyl ether	LDL	LDL	LDL	LDL	1.
Chlorotoluene	LDL	LDL	LDL	LDL	1.
Dibromochloroethane	LDL	LDL	LDL	LDL	0.09
Dibromomethane	LDL	LDL	LDL	LDL	1.
1,2-Dichlorobenzene	LDL	LDL	LDL	LDL	0.15
1,3-Dichlorobenzene	LDL	LDL	LDL	LDL	0.32
1,4-Dichlorobenzene	LDL	LDL	LDL	LDL	0.24
Dichlorodifluoromethane	LDL	LDL	LDL	LDL	1.
1,1-Dichloroethane	LDL	LDL	LDL	LDL	0.07
1,2-Dichloroethane	LDL	LDL	LDL	LDL	0.03
1,1-Dichloroethylene	LDL	LDL	LDL	LDL	0.13
trans-1,2-Dichloroethylene	LDL	LDL	LDL	LDL	0.10
Dichloromethane	LDL	LDL	LDL	LDL	1.
1,2-Dichloropropane	LDL	LDL	LDL	LDL	0.04
trans-1,3-Dichloropropylene	LDL	LDL	LDL	LDL	0.34
1,1,1,2-Tetrachloroethane	LDL	LDL	LDL	LDL	1.
1,1,2,2-Tetrachloroethane	LDL	LDL	LDL	LDL	0.03
Tetrachloroethylene	LDL	LDL	LDL	LDL	0.03
1,1,1-Trichloroethane	LDL	LDL	LDL	LDL	0.03
1,1,2-Trichloroethane	LDL	LDL	LDL	LDL	0.02
Trichloroethylene	LDL	LDL	LDL	LDL	0.12
Trichlorofluoromethane	LDL	LDL	LDL	LDL	1.
Trichloropropane	LDL	LDL	LDL	LDL	1.
Vinyl chloride	LDL	LDL	LDL	LDL	0.18

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

EPA 8010 Analysis - cont

<u>Compound</u>	<u>L5</u> <u>(ug/Kg)</u>	<u>L6</u> <u>(ug/Kg)</u>	<u>L7</u> <u>(ug/Kg)</u>	<u>L8</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>
Benzyl chloride	LDL	LDL	LDL	LDL	1.
Bis(2-chloroethoxy)methane	LDL	LDL	LDL	LDL	1.
Bromobenzene	LDL	LDL	LDL	LDL	1.
Bromodichloromethane	LDL	LDL	LDL	LDL	0.10
Bromoform	LDL	LDL	LDL	LDL	0.20
Bromomethane	LDL	LDL	LDL	LDL	1.0
Carbon tetrachloride	LDL	LDL	LDL	LDL	0.12
Chlorobenzene	LDL	LDL	LDL	LDL	0.25
Chloroethane	LDL	LDL	LDL	LDL	0.52
2-Chloroethylvinyl ether	LDL	LDL	LDL	LDL	0.13
Chloroform	LDL	LDL	LDL	LDL	0.05
1-Chlorohexane	LDL	LDL	LDL	LDL	1.
Chloromethane	LDL	LDL	LDL	LDL	0.08
Chloromethyl methyl ether	LDL	LDL	LDL	LDL	1.
Chlorotoluene	LDL	LDL	LDL	LDL	1.
Dibromochloroethane	LDL	LDL	LDL	LDL	0.09
Dibromomethane	LDL	LDL	LDL	LDL	1.
1,2-Dichlorobenzene	LDL	LDL	LDL	LDL	0.15
1,3-Dichlorobenzene	LDL	LDL	LDL	LDL	0.32
1,4-Dichlorobenzene	LDL	LDL	LDL	LDL	0.24
Dichlorodifluoromethane	LDL	LDL	LDL	LDL	1.
1,1-Dichloroethane	LDL	LDL	LDL	LDL	0.07
1,2-Dichloroethane	LDL	LDL	LDL	LDL	0.03
1,1-Dichloroethylene	LDL	LDL	LDL	LDL	0.13
trans-1,2-Dichloroethylene	LDL	LDL	LDL	LDL	0.10
Dichloromethane	LDL	LDL	LDL	LDL	1.
1,2-Dichloropropane	LDL	LDL	LDL	LDL	0.04
trans-1,3-Dichloropropylene	LDL	LDL	LDL	LDL	0.34
1,1,1,2-Tetrachloroethane	LDL	LDL	LDL	LDL	1.
1,1,2,2-Tetrachloroethane	LDL	LDL	LDL	LDL	0.03
Tetrachloroethylene	LDL	LDL	LDL	LDL	0.03
1,1,1-Trichloroethane	LDL	LDL	LDL	LDL	0.03
1,1,2-Trichloroethane	LDL	LDL	LDL	LDL	0.02
Trichloroethylene	LDL	LDL	LDL	LDL	0.12
Trichlorofluoromethane	LDL	LDL	LDL	LDL	1.
Trichloropropane	LDL	LDL	LDL	LDL	1.
Vinyl chloride	LDL	LDL	LDL	LDL	0.18

Average Percent Recovery for Chloroform: 89.2

LDL indicates results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B1-2'	soil
L2	B2-2'	soil
L3	B3-2'	soil
L4	B4-2'	soil
L5	B5-2'	soil
L6	B6-2'	soil
L7	B7-2'	soil
L8	B8-2'	soil

EPA 8080 Analysis

<u>Compound</u>					Detection
	L1 <u>(ug/Kg)</u>	L2 <u>(ug/Kg)</u>	L3 <u>(ug/Kg)</u>	L4 <u>(ug/Kg)</u>	Limit <u>(ug/Kg)</u>
Arochlor 1242 (PCB)	LDL	LDL	LDL	LDL	0.065
Arochlor 1254 (PCB)	LDL	LDL	LDL	LDL	0.5
Arochlor 1221 (PCB)	LDL	LDL	LDL	LDL	0.5
Arochlor 1232 (PCB)	LDL	LDL	LDL	LDL	0.5
Arochlor 1248 (PCB)	LDL	LDL	LDL	LDL	0.5
Arochlor 1260 (PCB)	LDL	LDL	LDL	LDL	0.5
Arochlor 1016 (PCB)	LDL	LDL	LDL	LDL	0.5

<u>Compound</u>					Detection
	L5 <u>(ug/Kg)</u>	L6 <u>(ug/Kg)</u>	L7 <u>(ug/Kg)</u>	L8 <u>(ug/Kg)</u>	Limit <u>(ug/Kg)</u>
Arochlor 1242 (PCB)	LDL	LDL	LDL	LDL	0.065
Arochlor 1254 (PCB)	LDL	LDL	LDL	LDL	0.5
Arochlor 1221 (PCB)	LDL	LDL	LDL	LDL	0.5
Arochlor 1232 (PCB)	LDL	LDL	LDL	LDL	0.5
Arochlor 1248 (PCB)	LDL	LDL	LDL	LDL	0.5
Arochlor 1260 (PCB)	LDL	LDL	LDL	LDL	0.5
Arochlor 1016 (PCB)	LDL	LDL	LDL	LDL	0.5

LDL indicates results were less than detection limits.

=====

CARTER ANALYTICAL LABORATORY

A.E. Robinson

Dr. A. Edward Robinson
Laboratory Manager

J.L. Carter

J.L. Carter
QA/QC Manager

COMPANY RGA
 ADDRESS 1260 45th St
 CITY Emeryville STATE CA ZIP 94608

Page 1 of 1
 Ref. No. 80#12144
21-28

TO:
 Carter Analytical Laboratory, Inc.
 (408) 364-3030 • (408) 866-0319 (FAX)

Chain of Custody

PROJECT NO.	SITE NAME & ADDRESS	DATE SAMPLE TAKEN	ANALYSIS								REMARKS
			TPH-U	TPH-A	Oil EPA 113.2	BTEX	CLHC EPA 8010	Priority Metals EPA 8000/6010 for CARB 17	PCBs EPA 8030		
A#B1 - 100801	Harrison St Garage, 1432 Harrison St, Oakland CA										
L1 B1 - 2'		1-16	✓	✓	✓	✓	✓	✓	✓	✓	
L2 B2 - 2'		1-16	✓	✓	✓	✓	✓	✓	✓	✓	
L3 B3 - 2'		1-16	✓	✓	✓	✓	✓	✓	✓	✓	
L4 B4 - 2'		1-16	✓	✓	✓	✓	✓	✓	✓	✓	
L5 B5 - 2'		1-16	✓	✓	✓	✓	✓	✓	✓	✓	
L6 B6 - 2'		1-16	✓	✓	✓	✓	✓	✓	✓	✓	
L7 B7 - 2'		1-16	✓	✓	✓	✓	✓	✓	✓	✓	
L8 B8 - 2'		1-16	✓	✓	✓	✓	✓	✓	✓	✓	
Relinquished By: (Signature): <i>Chris Nwabuzor</i>			Date: 1-17-92	Received By: (Signature): <i>Deborah Richmond</i>			Date: 1/17/92	Remarks: Samples rec'd. Cold / good condition			
Relinquished By: (Signature): <i>Deborah Richmond</i>			Date: 1/20/92	Received By: (Signature): <i>Frankie</i>			Date: 1/20/92	Remarks:			
Relinquished By: (Signature): <i>Frankie</i>			Date: 1/29/92	Received By: (Signature): <i>Deborah Richmond</i>			Date: 1/29/92	Remarks:			
Relinquished By: (Signature):			Date:	Received By: (Signature):			Date:	Remarks:			

Priority Metals
 EPA 8000/6010 for CARB 17
 PCBs EPA 8030

ENVIRONMENTAL ANALYSIS REPORT

CARTER ANALYTICAL LABORATORY, INC.

590 DIVISION STREET • CAMPBELL, CA 95008 • (408) 364-3030 • FAX (408) 866-0319

ANALYSIS REPORT
FOR

RGA Environmental Consulting
1260 45th Street
Emeryville, CA 94608

CONTACT: Chris Nwabuzoh

DATE: 02-28-92

CHAIN OF CUSTODY ID NO: AHB1-100801

ORDER NO: 12281-TD P.O. NO: AHB1-100801

SITE DESCRIPTION: Harrison Garage
1432 Harrison St.
Oakland, CA

SAMPLE DESCRIPTION:

Soil
Sampled: 01-31-92
Received: 02-03-92
Analyzed: 02-13-92
Number of Samples: 10

REQUESTED ANALYSIS:

Methods: EPA 8240

The analyses reported are considered accurate. Should you wish further support for the reported data, submit your requirements in writing within 10 days. It is Carter Analytical Labs intent to give you complete satisfaction. Please reference the order number when communicating with us. The invoice is due and payable within 30 days from invoice date.

Hazardous Materials Certification No: 304 • Drinking Water Certification No: 953
from the
State of California • Department of Health Services

CARTER ANALYTICAL LABORATORY, INC.

590 DIVISION STREET • CAMPBELL, CA 95008 • (408) 364-3030 • FAX (408) 866-0319

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B15-5'	soil
L2	B15-15'	soil
L3	B16-5'	soil
L4	B16-15'	soil
L5	B13-5'	soil
L6	B13-15'	soil
L7	B14-5'	soil
L8	B14-15'	soil
L9	B9-5'	soil
L10	B10-8'	soil

EPA 8240 Analysis

<u>Compounds</u>	<u>L1</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>	<u>L2</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>
Chloroethane	LDL	6.7	LDL	6.7
Bromomethane	LDL	6.7	LDL	6.7
Vinyl chloride	LDL	6.7	LDL	6.7
Chloromethane	LDL	6.7	LDL	6.7
Methylene chloride	LDL	390.	LDL	390.
Trichlorofluoromethane	LDL	6.7	LDL	6.7
1,1-Dichloroethene	LDL	6.7	LDL	6.7
1,1-Dichloroethane	LDL	6.7	LDL	6.7
trans-1,2-Dichloroethene	LDL	6.7	LDL	6.7
Chloroform	LDL	6.7	LDL	6.7
1,2-Dichloroethane	LDL	6.7	LDL	6.7
1,1,1-Trichloroethane	LDL	6.7	LDL	6.7
Carbon tetrachloride	LDL	6.7	LDL	6.7
Bromodichloromethane	LDL	6.7	LDL	6.7
1,2-Dichloropropane	LDL	6.7	LDL	6.7
trans-1,3-Dichloropropene	LDL	6.7	LDL	6.7
1,1,2-Trichloroethane	LDL	6.7	LDL	6.7
Trichloroethene	LDL	6.7	LDL	6.7
Benzene	LDL	6.7	LDL	6.7
2-Chloroethylvinyl ether	LDL	6.7	LDL	6.7
Dibromochloromethane	LDL	6.7	LDL	6.7
cis-1,3-Dichloropropene	LDL	6.7	LDL	6.7
Bromoform	LDL	6.7	LDL	6.7
1,1,2,2-Tetrachloroethane	LDL	30.	LDL	30.
Tetrachloroethene	LDL	6.7	LDL	6.7
Toluene	LDL	6.7	LDL	6.7
Chlorobenzene	LDL	6.7	LDL	6.7
Ethylbenzene	LDL	6.7	LDL	6.7
1,3-Dichlorobenzene	LDL	6.7	LDL	6.7
1,2-Dichlorobenzene	LDL	6.7	LDL	6.7
1,4-Dichlorobenzene	LDL	6.7	LDL	6.7

Surrogate Percent Recovery

Bromochloromethane:	113.	105.
1-Chloro,2-Bromopropane:	126.	121.
1,4-Dichlorobutane:	124.	117.

LDL means results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B15-5'	soil
L2	B15-15'	soil
L3	B16-5'	soil
L4	B16-15'	soil
L5	B13-5'	soil
L6	B13-15'	soil
L7	B14-5'	soil
L8	B14-15'	soil
L9	B9-5'	soil
L10	B10-8'	soil

EPA 8240 Analysis - cont

<u>Compounds</u>	<u>L3</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>	<u>L4</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>
Chloroethane	LDL	6.7	LDL	6.7
Bromomethane	LDL	6.7	LDL	6.7
Vinyl chloride	LDL	6.7	LDL	6.7
Chloromethane	LDL	6.7	LDL	6.7
Methylene chloride	LDL	390.	LDL	390.
Trichlorofluoromethane	LDL	6.7	LDL	6.7
1,1-Dichloroethene	LDL	6.7	LDL	6.7
1,1-Dichloroethane	LDL	6.7	LDL	6.7
trans-1,2-Dichloroethene	LDL	6.7	LDL	6.7
Chloroform	LDL	6.7	LDL	6.7
1,2-Dichloroethane	LDL	6.7	LDL	6.7
1,1,1-Trichloroethane	LDL	6.7	LDL	6.7
Carbon tetrachloride	LDL	6.7	LDL	6.7
Bromodichloromethane	LDL	6.7	LDL	6.7
1,2-Dichloropropane	LDL	6.7	LDL	6.7
trans-1,3-Dichloropropene	LDL	6.7	LDL	6.7
1,1,2-Trichloroethane	LDL	6.7	LDL	6.7
Trichloroethene	LDL	6.7	LDL	6.7
Benzene	LDL	6.7	LDL	6.7
2-Chloroethylvinyl ether	LDL	6.7	LDL	6.7
Dibromochloromethane	LDL	6.7	LDL	6.7
cis-1,3-Dichloropropene	LDL	6.7	LDL	6.7
Bromoform	LDL	6.7	LDL	6.7
1,1,2,2-Tetrachloroethane	LDL	30.	LDL	30.
Tetrachloroethene	LDL	6.7	LDL	6.7
Toluene	LDL	6.7	LDL	6.7
Chlorobenzene	LDL	6.7	LDL	6.7
Ethylbenzene	LDL	6.7	LDL	6.7
1,3-Dichlorobenzene	LDL	6.7	LDL	6.7
1,2-Dichlorobenzene	LDL	6.7	LDL	6.7
1,4-Dichlorobenzene	LDL	6.7	LDL	6.7

Surrogate Percent Recovery

Bromochloromethane:	102.	112.
1-Chloro,2-Bromopropane:	96.	124.
1,4-Dichlorobutane:	100.	119.

LDL means results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B15-5'	soil
L2	B15-15'	soil
L3	B16-5'	soil
L4	B16-15'	soil
L5	B13-5'	soil
L6	B13-15'	soil
L7	B14-5'	soil
L8	B14-15'	soil
L9	B9-5'	soil
L10	B10-8'	soil

EPA 8240 Analysis - cont

<u>Compounds</u>	<u>L5</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>	<u>L6</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>
Chloroethane	LDL	6.7	LDL	6.7
Bromomethane	LDL	6.7	LDL	6.7
Vinyl chloride	LDL	6.7	LDL	6.7
Chloromethane	LDL	6.7	LDL	6.7
Methylene chloride	LDL	390.	LDL	390.
Trichlorofluoromethane	LDL	6.7	LDL	6.7
1,1-Dichloroethene	LDL	6.7	LDL	6.7
1,1-Dichloroethane	LDL	6.7	LDL	6.7
trans-1,2-Dichloroethene	LDL	6.7	LDL	6.7
Chloroform	LDL	6.7	LDL	6.7
1,2-Dichloroethane	LDL	6.7	LDL	6.7
1,1,1-Trichloroethane	LDL	6.7	LDL	6.7
Carbon tetrachloride	LDL	6.7	LDL	6.7
Bromodichloromethane	LDL	6.7	LDL	6.7
1,2-Dichloropropane	LDL	6.7	LDL	6.7
trans-1,3-Dichloropropene	LDL	6.7	LDL	6.7
1,1,2-Trichloroethane	LDL	6.7	LDL	6.7
Trichloroethene	LDL	6.7	LDL	6.7
Benzene	LDL	6.7	LDL	6.7
2-Chloroethylvinyl ether	LDL	6.7	LDL	6.7
Dibromochloromethane	LDL	6.7	LDL	6.7
cis-1,3-Dichloropropene	LDL	6.7	LDL	6.7
Bromoform	LDL	6.7	LDL	6.7
1,1,2,2-Tetrachloroethane	LDL	30.	LDL	30.
Tetrachloroethene	LDL	6.7	LDL	6.7
Toluene	LDL	6.7	LDL	6.7
Chlorobenzene	LDL	6.7	LDL	6.7
Ethylbenzene	LDL	6.7	LDL	6.7
1,3-Dichlorobenzene	LDL	6.7	LDL	6.7
1,2-Dichlorobenzene	LDL	6.7	LDL	6.7
1,4-Dichlorobenzene	LDL	6.7	LDL	6.7

Surrogate Percent Recovery

Bromochloromethane:	105.	110.
1-Chloro,2-Bromopropane:	106.	150.
1,4-Dichlorobutane:	101.	140.

LDL means results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B15-5'	soil
L2	B15-15'	soil
L3	B16-5'	soil
L4	B16-15'	soil
L5	B13-5'	soil
L6	B13-15'	soil
L7	B14-5'	soil
L8	B14-15'	soil
L9	B9-5'	soil
L10	B10-8'	soil

EPA 8240 Analysis - cont

<u>Compounds</u>	<u>L7</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>	<u>L8</u> <u>(ug/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/Kg)</u>
Chloroethane	LDL	6.7	LDL	6.7
Bromomethane	LDL	6.7	LDL	6.7
Vinyl chloride	LDL	6.7	LDL	6.7
Chloromethane	LDL	6.7	LDL	6.7
Methylene chloride	LDL	390.	LDL	390.
Trichlorofluoromethane	LDL	6.7	LDL	6.7
1,1-Dichloroethene	LDL	6.7	LDL	6.7
1,1-Dichloroethane	LDL	6.7	LDL	6.7
trans-1,2-Dichloroethene	LDL	6.7	LDL	6.7
Chloroform	LDL	6.7	LDL	6.7
1,2-Dichloroethane	LDL	6.7	LDL	6.7
1,1,1-Trichloroethane	LDL	6.7	LDL	6.7
Carbon tetrachloride	LDL	6.7	LDL	6.7
Bromodichloromethane	LDL	6.7	LDL	6.7
1,2-Dichloropropane	LDL	6.7	LDL	6.7
trans-1,3-Dichloropropene	LDL	6.7	LDL	6.7
1,1,2-Trichloroethane	LDL	6.7	LDL	6.7
Trichloroethene	LDL	6.7	LDL	6.7
Benzene	LDL	6.7	LDL	6.7
2-Chloroethylvinyl ether	LDL	6.7	LDL	6.7
Dibromochloromethane	LDL	6.7	LDL	6.7
cis-1,3-Dichloropropene	LDL	6.7	LDL	6.7
Bromoform	LDL	6.7	LDL	6.7
1,1,2,2-Tetrachloroethane	LDL	30.	LDL	30.
Tetrachloroethene	LDL	6.7	LDL	6.7
Toluene	LDL	6.7	LDL	6.7
Chlorobenzene	LDL	6.7	LDL	6.7
Ethylbenzene	LDL	6.7	LDL	6.7
1,3-Dichlorobenzene	LDL	6.7	LDL	6.7
1,2-Dichlorobenzene	LDL	6.7	LDL	6.7
1,4-Dichlorobenzene	LDL	6.7	LDL	6.7

Surrogate Percent Recovery

Bromochloromethane:	107.	104.
1-Chloro,2-Bromopropane:	102.	117.
1,4-Dichlorobutane:	106.	105.

LDL means results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B15-5'	soil
L2	B15-15'	soil
L3	B16-5'	soil
L4	B16-15'	soil
L5	B13-5'	soil
L6	B13-15'	soil
L7	B14-5'	soil
L8	B14-15'	soil
L9	B9-5'	soil
L10	B10-8'	soil

EPA 8240 Analysis - cont

<u>Compounds</u>	<u>L9 (ug/Kg)</u>	<u>Detection Limit (ug/Kg)</u>	<u>L10 (ug/Kg)</u>	<u>Detection Limit (ug/Kg)</u>
Chloroethane	LDL	6.7	LDL	6.7
Bromomethane	LDL	6.7	LDL	6.7
Vinyl chloride	LDL	6.7	LDL	6.7
Chloromethane	LDL	6.7	LDL	6.7
Methylene chloride	LDL	390.	LDL	390.
Trichlorofluoromethane	LDL	6.7	LDL	6.7
1,1-Dichloroethene	LDL	6.7	LDL	6.7
1,1-Dichloroethane	LDL	6.7	LDL	6.7
trans-1,2-Dichloroethene	LDL	6.7	LDL	6.7
Chloroform	LDL	6.7	LDL	6.7
1,2-Dichloroethane	LDL	6.7	LDL	6.7
1,1,1-Trichloroethane	LDL	6.7	LDL	6.7
Carbon tetrachloride	LDL	6.7	LDL	6.7
Bromodichloromethane	LDL	6.7	LDL	6.7
1,2-Dichloropropane	LDL	6.7	LDL	6.7
trans-1,3-Dichloropropene	LDL	6.7	LDL	6.7
1,1,2-Trichloroethane	LDL	6.7	LDL	6.7
Trichloroethene	LDL	6.7	LDL	6.7
Benzene	LDL	6.7	LDL	6.7
2-Chloroethylvinyl ether	LDL	6.7	LDL	6.7
Dibromochloromethane	LDL	6.7	LDL	6.7
cis-1,3-Dichloropropene	LDL	6.7	LDL	6.7
Bromoform	LDL	6.7	LDL	6.7
1,1,2,2-Tetrachloroethane	LDL	30.	LDL	30.
Tetrachloroethene	LDL	6.7	LDL	6.7
Toluene	LDL	6.7	LDL	6.7
Chlorobenzene	LDL	6.7	LDL	6.7
Ethylbenzene	LDL	6.7	LDL	6.7
1,3-Dichlorobenzene	LDL	6.7	LDL	6.7
1,2-Dichlorobenzene	LDL	6.7	LDL	6.7
1,4-Dichlorobenzene	LDL	6.7	LDL	6.7

Surrogate Percent Recovery

Bromochloromethane:	107.	98.
1-Chloro,2-Bromopropane:	103.	96.
1,4-Dichlorobutane:	107.	84.

LDL means results were less than detection limit.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B15-5'	soil
L2	B15-15'	soil
L3	B16-5'	soil
L4	B16-15'	soil
L5	B13-5'	soil
L6	B13-15'	soil
L7	B14-5'	soil
L8	B14-15'	soil
L9	B9-5'	soil
L10	B10-8'	soil

EPA 8240 Analysis - cont

<u>Compounds</u>	<u>Blank (ug/Kg)</u>	<u>Detection Limit (ug/Kg)</u>
Chloroethane	LDL	6.7
Bromomethane	LDL	6.7
Vinyl chloride	LDL	6.7
Chloromethane	LDL	6.7
Methylene chloride	LDL	6.7
Trichlorofluoromethane	LDL	390.
1,1-Dichloroethene	LDL	6.7
1,1-Dichloroethane	LDL	6.7
trans-1,2-Dichloroethene	LDL	6.7
Chloroform	LDL	6.7
1,2-Dichloroethane	LDL	6.7
1,1,1-Trichloroethane	LDL	6.7
Carbon tetrachloride	LDL	6.7
Bromodichloromethane	LDL	6.7
1,2-Dichloropropane	LDL	6.7
trans-1,3-Dichloropropene	LDL	6.7
1,1,2-Trichloroethane	LDL	6.7
Trichloroethene	LDL	6.7
Benzene	LDL	6.7
2-Chloroethylvinyl ether	LDL	6.7
Dibromochloromethane	LDL	6.7
cis-1,3-Dichloropropene	LDL	6.7
Bromoform	LDL	6.7
1,1,2,2-Tetrachloroethane	LDL	30.
Tetrachloroethene	LDL	6.7
Toluene	LDL	6.7
Chlorobenzene	LDL	6.7
Ethylbenzene	LDL	6.7
1,3-Dichlorobenzene	LDL	6.7
1,2-Dichlorobenzene	LDL	6.7
1,4-Dichlorobenzene	LDL	6.7

Surrogate Percent Recovery

Bromochloromethane:	94.
1-Chloro, 2-Bromopropane:	96.
1,4-Dichlorobutane:	84.

Sample L5-L10 exceeded their holding times prior to analysis.

LDL means results were less than detection limit.

CARTER ANALYTICAL LABORATORY

A. E. Robinson
 Dr. A. Edward Robinson
 Laboratory Manager

J. L. Carter
 J. L. Carter
 QAQC Manager

ENVIRONMENTAL ANALYSIS REPORT

CARTER ANALYTICAL LABORATORY, INC.

590 DIVISION STREET • CAMPBELL, CA 95008 • (408) 364-3030 • FAX (408) 866-0319

ANALYSIS REPORT
FORRGA Environmental Consulting
1260 46th Street
Emeryville, CA 94608

CONTACT: Chris Nwabuzoh

Revised 03-11-92
DATE: 03-02-92

CHAIN OF CUSTODY ID NO: AHB1-100801

ORDER NO: 12192AP.01 NO: AHB1-100801

SITE DESCRIPTION: Harrison Garage
1432-1435 Harrison St.
Oakland, CA

SAMPLE DESCRIPTION:

Soil
Sampled: 01-21-92
Received: 01-24-92
Analyzed: 02-21-92
Number of Samples: 6

REQUESTED ANALYSIS:

Methods: Total Petroleum Hydrocarbons as Gasoline (TPH-G)
as Diesel (TPH-D) and Benzene, Toluene, Ethyl Benzene,
and Xylenes (BTEX), EPA 6010, EPA 8080.

The analyses reported are considered accurate. Should you wish further support for the reported data, submit your requirements in writing within 10 days. It is Carter Analytical Labs intent to give you complete satisfaction. Please reference the order number when communicating with us. The invoice is due and payable within 30 days from invoice date.

Hazardous Materials Certification No: 304 • Drinking Water Certification No: 953
from the
State of California • Department of Health Services

CARTER ANALYTICAL LABORATORY, INC.

590 DIVISION STREET • CAMPBELL, CA 95008 • (408) 364-3030 • FAX (408) 866-0319

WATER ANALYTICAL LABORATORY, INC.

Environmental Data

Page 3 of 6
Order 12192A

Project No. AHB1-100801

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B13-5'	soil
L2	B13-15'	soil
L3	B14-5'	soil
L4	B14-15'	soil
L5	B9-5	soil
L6	B10-8'	soil

Hydrocarbons and BTEX Analysis of Soil

<u>Sample Number</u>	<u>TPH-G (mg/Kg)</u>	<u>TPH-D (mg/Kg)</u>	<u>Benzene (mg/Kg)</u>	<u>Toluene (mg/Kg)</u>	<u>Ethyl Benzene (mg/Kg)</u>	<u>Xylenes (mg/Kg)</u>
L1	83.2	1.63	LDL	.068	1.23	LDL
L2	135.	LDL	NT	.71	NT	8.85
L3	LDL	LDL	LDL	NT	NT	NT
L4	2.5	17.3	NT	NT	LDL	NT
L5	2.44	11.1	NT	LDL	NT	NT
L6	LDL	109.	NT	LDL	NT	NT
DL:	1.0	1.0	0.005	0.005	0.005	0.005
AR (%):	---	50.5	---	94.5	---	---

LDL indicates results are less than detection limit.
DL = Detection Limit
AR = Average Recovery
NT = Not Tested

CARTER ANALYTICAL LABORATORY, INC.

Environmental Data

Page 4 of 6

Order 12192A

Project No. AHBI-100801

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B13-5'	soil
L2	B13-15'	soil
L3	B14-5'	soil
L4	B14-15'	soil
L5	B9-5	soil
L6	B10-8'	soil

Sample Preparation

The sample was prepared according to Title 22, Section 66700
TTLIC procedures.

Title 22 Waste Metals Analysis by EPA method 6010

<u>Metal</u>	<u>L1</u> <u>(mg/Kg)</u>	<u>L2</u> <u>(mg/Kg)</u>	<u>L3</u> <u>(mg/Kg)</u>	<u>STLC</u> <u>Regulatory</u> <u>Levels</u>	<u>TTLIC</u> <u>Regulatory</u> <u>Levels</u>	<u>TTLIC</u> <u>Detection</u> <u>Limits</u> <u>(mg/Kg)</u>
Antimony	15.5	11.1	12.3	15.	500	1.50
Arsenic	47.3	27.4	27.5	5.0	500	1.5
Barium	67.4	59.1	52.9	100.	10000	0.3
Beryllium	LDL	LDL	LDL	0.75	75	0.15
Cadmium	LDL	1.1	LDL	1.0	100	0.15
Chromium	56.7	54.0	33.9	560.	2500	0.15
Cobalt	9.34	8.69	6.32	80.	8000	0.25
Copper	LDL	10.3	LDL	25.	2500	0.75
Lead	17.4	13.8	11.2	5.0	1000	2.2
Mercury	45.4	35.5	28.1	0.2	20	2.0
Molybdenum	19.4	18.7	15.7	350.	3500	0.55
Nickel	46.1	128.4	39.4	20.	2000	0.55
Selenium	21.9	15.5	12.3	1.0	100	7.5
Silver	LDL	LDL	LDL	5.	500	0.25
Thallium	17.5	19.9	12.8	7.0	700	3.25
Vanadium	34.8	41.9	28.9	24.	2400	1.6
Zinc	24.8	24.4	18.7	250.	5000	0.45

ARTER ANALYTICAL LABORATORY, INC.

Environmental Data

Page 5 of 6
 Order 12192A
 Project No. AHB1-100801

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B13-5'	soil
L2	B13-15'	soil
L3	B14-5'	soil
L4	B14-15'	soil
L5	B9-5	soil
L6	B10-8'	soil

Sample Preparation

The sample was prepared according to Title 22, Section 66700
 TTLC procedures.

Title 22 Waste Metals Analysis by EPA method 6010 - cont

<u>Metal</u>	<u>L4 (mg/Kg)</u>	<u>L5 (mg/Kg)</u>	<u>L6 (mg/Kg)</u>	<u>STLC Regulatory Levels</u>	<u>TTLC Regulatory Levels</u>	<u>TTLC Detection Limits (mg/Kg)</u>
Antimony	14.1	8.77	4.88	15.	500	1.50
Arsenic	32.7	17.1	18.8	5.0	500	1.5
Barium	68.5	37.7	48.6	100.	10000	0.3
Beryllium	LDL	LDL	LDL	0.75	75	0.15
Cadmium	0.95	LDL	LDL	1.0	100	0.15
Chromium	48.8	29.9	28.0	560.	2500	0.15
Cobalt	6.86	6.02	5.73	80.	8000	0.25
Copper	8.53	LDL	LDL	25.	2500	0.75
Lead	13.2	7.53	5.63	5.0	1000	2.2
Mercury	32.8	21.5	15.5	0.2	20	2.0
Molybdenum	18.0	16.3	13.9	350.	3500	0.55
Nickel	376.2	59.8	34.9	20.	2000	0.55
Selenium	15.3	11.6	LDL	1.0	100	7.5
Silver	LDL	LDL	LDL	5.	500	0.25
Thallium	11.8	11.1	7.54	7.0	700	3.25
Vanadium	29.7	22.9	19.5	24.	2400	1.6
Zinc	26.2	18.2	16.7	250.	5000	0.45

LDL means results were less than detection limit.

ENVIRONMENTAL ANALYSIS REPORT

CARTER ANALYTICAL LABORATORY, INC.

590 DIVISION STREET • CAMPBELL, CA 95008 • (408) 364-3030 • FAX (408) 866-0319

ANALYSIS REPORT
FOR

RGA Environmental Consulting
1260 45th Street
Emeryville, CA 94608

CONTACT: Chris Nwabuzoh

DATE: 03-04-92

CHAIN OF CUSTODY ID NO: AHB1-100801

ORDER NO: 12292-MH

P.O. NO: AHB1-100801

SITE DESCRIPTION: Harrison Garage
1432 Harrison Street
Oakland, CA

SAMPLE DESCRIPTION:

Soil
Sampled: 02-05-92
Received: 02-06-92
Analyzed: 02-27-92
Number of Samples: 11

REQUESTED ANALYSIS:

Methods: Total Petroleum Hydrocarbons as Gasoline (TPH-G)
as Diesel (TPH-D) and Benzene, Toluene, Ethyl Benzene,
and Xylenes (BTEX), EPA 6010, EPA 413.1, EPA 8080,
EPA 8240, Title 22, Section 66700

The analyses reported are considered accurate. Should you wish further support for the reported data, submit your requirements in writing within 10 days. It is Carter Analytical Labs intent to give you complete satisfaction. Please reference the order number when communicating with us. The invoice is due and payable within 30 days from invoice date.

Hazardous Materials Certification No: 304 • Drinking Water Certification No: 953
from the
State of California • Department of Health Services

CARTER ANALYTICAL LABORATORY, INC.

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Environmental Data

Page 3 of 7

Order 12292

Project No. AHB1-100801

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B23-5'	soil
L2	B23-10'	soil
L3	B-20-15'	soil
L4	B22-5'	soil
L5	B22-10'	soil
L6	B-21-10'	soil
L7	B21-5'	soil
L8	B21-15'	soil
L9	B20-5'	soil
L10	B19-5'	soil
L11	B17-5'	soil

Hydrocarbons and BTEX Analysis of Soil

<u>Sample Number</u>	<u>TPH-G (mg/Kg)</u>	<u>TPH-D (mg/Kg)</u>	<u>Benzene (mg/Kg)</u>	<u>Toluene (mg/Kg)</u>	<u>Ethyl Benzene (mg/Kg)</u>	<u>Xylenes (mg/Kg)</u>
L1	2.5	26.0	LDL	.027	LDL	LDL
L2	3.3	LDL	LDL	.034	LDL	LDL
L3	2.5	LDL	LDL	.034	LDL	LDL
L4	42.3	670.	LDL	.113	LDL	2.13
L5	1540.	175.	.987	11.7	1.67	2.88
L6	1.9	15.7	LDL	.021	LDL	.026
L7	2.1	16.7	LDL	.02	LDL	.01
L8	2.0	22.7	LDL	.03	LDL	LDL
L9	2.1	24.0	LDL	.03	LDL	0.01
L10	2.5	28.0	LDL	LDL	LDL	.01
DL:	1.0	1.0	0.005	0.005	0.005	0.005
AR (%):	---	78.8	---	95.7	---	---

LDL indicates results are less than detection limit.

DL = Detection Limit

AR = Average Recovery

Environmental Data

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Order 12292

Project No. AHB1-100801

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B23-5'	soil
L2	B23-10'	soil
L3	B-20-15'	soil
L4	B22-5'	soil
L5	B22-10'	soil
L6	B-21-10'	soil
L7	B21-5'	soil
L8	B21-15'	soil
L9	B20-5'	soil
L10	B19-5'	soil
L11	B17-5'	soil

Sample Preparation

The sample was prepared according to Title 22, Section 66700
TTLIC procedures.

Title 22 Waste Metals Analysis by EPA method 6010

<u>Metal</u>	<u>L3 (mg/Kg)</u>	<u>L11 (mg/Kg)</u>	<u>STLC Regulatory Levels</u>	<u>TTLIC Regulatory Levels</u>	<u>TTLIC Detection Limits (mg/Kg)</u>
Antimony	8.06	12.5	15.	500	1.5
Arsenic	13.9	19.8	5.0	500	1.5
Barium	32.5	39.9	100.	10000	0.3
Beryllium	LDL	LDL	0.75	75	0.15
Cadmium	LDL	LDL	1.0	100	0.15
Chromium	23.2	30.1	560.	2500	0.15
Cobalt	3.59	5.73	80.	8000	0.25
Copper	5.33	5.10	25.	2500	0.75
Lead	10.4	10.4	5.0	1000	2.2
Mercury	2.48	3.56	0.2	20	2.0
Molybdenum	LDL	LDL	350.	3500	0.55
Nickel	224.8	329.2	20.	2000	0.55
Selenium	LDL	6.24	1.0	100	7.5
Silver	0.57	0.92	5.	500	0.25
Thallium	5.33	9.96	7.0	700	3.25
Vanadium	19.3	24.5	24.	2400	1.6
Zinc	18.1	17.7	250.	5000	0.45

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B23-5'	soil
L2	B23-10'	soil
L3	B-20-15'	soil
L4	B22-5'	soil
L5	B22-10'	soil
L6	B-21-10'	soil
L7	B21-5'	soil
L8	B21-15'	soil
L9	B20-5'	soil
L10	B19-5'	soil
L11	B17-5'	soil

EPA 413.1 Analysis

<u>Sample</u>	<u>Concentration</u> <u>(mg/Kg)</u>	<u>Detection</u> <u>Limit</u> <u>(mg/Kg)</u>
L3	35.2	5.0
L11	39.1	5.0

EPA 8080 Analysis

<u>Compound</u>	<u>L3</u> <u>(ug/kg)</u>	<u>L11</u> <u>(ug/kg)</u>	<u>Detection</u> <u>Limit</u> <u>(ug/kg)</u>
Arochlor 1242 (PCB)	LDL	LDL	0.065
Arochlor 1254 (PCB)	LDL	LDL	0.5
Arochlor 1221 (PCB)	LDL	LDL	0.5
Arochlor 1232 (PCB)	LDL	LDL	0.5
Arochlor 1248 (PCB)	LDL	LDL	0.5
Arochlor 1260 (PCB)	LDL	LDL	0.5
Arochlor 1016 (PCB)	LDL	LDL	0.5

Percent Recovery for Arochlor 1248 : 40.7%

LDL indicates results were less than detection limits.

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B23-5'	soil
L2	B23-10'	soil
L3	B-20-15'	soil
L4	B22-5'	soil
L5	B22-10'	soil
L6	B-21-10'	soil
L7	B21-5'	soil
L8	B21-15'	soil
L9	B20-5'	soil
L10	B19-5'	soil
L11	B17-5'	soil

EPA 8240 Analysis

<u>Compounds</u>	<u>L11 (ug/Kg)</u>	<u>Detection Limit (ug/Kg)</u>	<u>Method Blank (ug/Kg)</u>	<u>Detection Limit (ug/Kg)</u>
Chloroethane	LDL	73.	LDL	73.
Bromomethane	LDL	15.	LDL	15.
Vinyl chloride	LDL	73.	LDL	73.
Chloromethane	LDL	15.	LDL	15.
Methylene chloride	LDL	15.	210.	15.
Trichlorofluoromethane	LDL	15.	LDL	15.
1,1-Dichloroethene	LDL	15.	LDL	15.
1,1-Dichloroethane	LDL	15.	LDL	15.
trans-1,2-Dichloroethene	LDL	15.	LDL	15.
Chloroform	LDL	15.	LDL	15.
1,2-Dichloroethane	LDL	15.	LDL	15.
1,1,1-Trichloroethane	LDL	15.	LDL	15.
Carbon tetrachloride	LDL	15.	LDL	15.
Bromodichloromethane	LDL	15.	LDL	15.
1,2-Dichloropropane	LDL	15.	LDL	15.
trans-1,3-Dichloropropene	LDL	15.	LDL	15.
1,1,2-Trichloroethane	LDL	22.	LDL	22.
Trichloroethene	LDL	15.	LDL	15.
Benzene	LDL	15.	LDL	15.
2-Chloroethylvinyl ether	LDL	73.	LDL	73.
Dibromochloromethane	LDL	15.	LDL	15.
cis-1,3-Dichloropropene	LDL	15.	LDL	15.
Bromoform	LDL	15.	LDL	15.
1,1,2,2-Tetrachloroethane	LDL	22.	LDL	22.
Tetrachloroethene	LDL	15.	LDL	15.
Toluene	LDL	15.	LDL	15.
Chlorobenzene	LDL	15.	LDL	15.
Ethylbenzene	LDL	15.	LDL	15.
1,3-Dichlorobenzene	LDL	22.	LDL	22.
1,2-Dichlorobenzene	LDL	22.	LDL	22.
1,4-Dichlorobenzene	LDL	22.	LDL	22.

Surrogate Percent Recovery

Bromochloromethane:	112.
1-Chloro,2-Bromopropane:	95.
1,4-Dichlorobutane:	87.

LDL means results were less than detection limit.

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CARTER ANALYTICAL LABORATORY

A. E. Robinson
 Dr. A. Edward Robinson
 Laboratory Manager

J. L. Carter
 J. L. Carter
 QA/QC Manager

P. 02

COMPANY RGA
 ADDRESS 1260 45th Street
 CITY Emeryville STATE CA ZIP 94608

Page 1 of 1
 Ref. No. SO# 12292-41-211

TO:
 Carter Analytical Laboratory, Inc.
 (408) 364-3030 • (408) 866-0319 (FAX)

Soils in Plastic Sleeves (Total length: 12" each)

Chain of Custody

PROJECT NO.	SITE NAME & ADDRESS	DATE SAMPLE TAKEN	ANALYSIS										REMARKS	
			EPA 8080 PCA	BTEX	TPH - G	EPA 3050/6010 TOTAL-PH	TPH - D	OPA EPA 413.2	CLHC EPA 554.0	Priority Metals EPA 3050/6010 CAM 17				
AHBI - 100801	Harrison Garage 1432 Harrison St Oakland, CA													
L1	B23-5'	2-5	✓	✓		✓								
L2	B23-10'	2-5	✓	✓		✓								
L3	B-20-15'	2-3	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	See Attachment for Priorities
L4	B22-5'	2-5	✓	✓		✓								
L5	B22-10'	2-5	✓	✓		✓								
L6	B-21-10'	2-5												Do Not Analyze
L7	B21-5'	2-5	✓	✓		✓								
L8	B21-15'	2-5	✓	✓		✓								
L9	B20-5'	2-3	✓	✓		✓								
L10	B19-5'	2-3	✓	✓		✓								
L11	B17-5'	2-3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	See Attachment for Priorities

JAN-13-92 MON 11:05 CARTER LABS

Relinquished By: (Signature): <i>Chris Vrasabozah</i>	Date: 2-6-92	Received By: (Signature): <i>D. Valentine</i>	Date:	Remarks:
Relinquished By: (Signature): <i>DR</i>	Date: 2/6/92	Received By: (Signature): <i>Leborah Richmond</i>	Date: 2/6/92	Remarks: Samples rec'd cold / good conditions
Relinquished By: (Signature): <i>Leborah Richmond</i>	Date: 2/18/92	Received By: (Signature): <i>Linda Rubin</i>	Date: 2/18/92	Remarks:
Relinquished By: (Signature): <i>DR</i>	Date: 3/4/92	Received By: (Signature): <i>Leborah Richmond</i>	Date: 3/4/92	Remarks:

ANALYSIS REPORT
FORRGA Environmental Consulting
1280 45th Street
Emeryville, CA 94608

CONTACT: Chris Nwabuzoh

DATE:03-04-92

CHAIN OF CUSTODY ID NO: AHB1-100801

ORDER NO:2251-MH

P.O.NO:AHB1-100801

SITE DESCRIPTION: Harrison Garage
1432 Harrison Street
Oakland, CA

SAMPLE DESCRIPTION:

Water
Sampled: 02-05-92
Received: 02-06-92
Analyzed: 02-25-92
Number of Samples: 24

REQUESTED ANALYSIS:

Methods: Total Petroleum Hydrocarbons as Gasoline (TPH-G)
as Diesel (TPH-D) and Benzene, Toluene, Ethyl Benzene,
and Xylenes (BTEX), EPA 6010, EPA 413.1, EPA 8240, EPA
3050

The analyses reported are considered accurate. Should you wish further support for the reported data, submit your requirements in writing within 10 days. It is Carter Analytical Labs intent to give you complete satisfaction. Please reference the order number when communicating with us. The invoice is due and payable within 30 days from invoice date.

Hazardous Materials Certification No: 304 • Drinking Water Certification No: 953
from the

State of California • Department of Health Services

CARTER ANALYTICAL LABORATORY, INC.

590 DIVISION STREET • CAMPBELL, CA 95008 • (408) 364-3030 • FAX (408) 866-0319

CARTER ANALYTICAL LABORATORY, INC.

Environmental Data

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Order 12251

Project No. AHB1-100801

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B-13 VOA	water
L2	B-13 VOA	water
L3	B-13 VOA	water
L4	B-17 VOA	water
L5	B-17 VOA	water
L6	B-17 LITER	water
L7	B-20 VOA	water
L8	B-20 VOA	water
L9	B-20 LITER	water
L10	B-21	water
L11	B-21	water
L12	B-21 VOA	water
L13	B-21 VOA	water
L14	B-21 PLASTIC	water
L15	B-22 VOA	water
L16	B-22 VOA	water
L17	B-22 VOA	water
L18	B-22 VOA	water
L19	B-22 PLASTIC	water
L20	B-23 VOA	water
L21	B-23 VOA	water
L22	B-23 VOA	water
L23	B-23 VOA	water
L24	B-23 PLASTIC	water

Hydrocarbons and BTEX Analysis of Water

<u>Sample Number</u>	<u>TPH-G (ug/L)</u>	<u>TPH-D (ug/L)</u>	<u>Benzene (ug/L)</u>	<u>Toluene (ug/L)</u>	<u>Ethyl Benzene (ug/L)</u>	<u>Xylenes (ug/L)</u>
L1	60200.	LDL	55.0	45.0	26.5	242.
L4	LDL	LDL	4.0	LDL	LDL	LDL
L67	96.0	LDL	5.0	6.0	LDL	1.0
L12	LDL	LDL	LDL	LDL	LDL	LDL
L15	72.0	LDL	5.0	0.7	LDL	3.0
L20	1020	LDL	5.0	3.0	2.0	7.9
DL:	50.0	50.0	0.5	0.5	0.5	0.5
R (x):	---	72.5	---	92.7	---	---

DL indicates results are less than detection limit.

L = Detection Limit

R = Average Recovery

CARTER ANALYTICAL LABORATORY, INC.

Environmental Data

Page 3 of 7

Order 12251

Project No. AHB1-100801

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B-13 VOA	water
L2	B-13 VOA	water
L3	B-13 VOA	water
L4	B-17 VOA	water
L5	B-17 VOA	water
L6	B-17 LITER	water
L7	B-20 VOA	water
L8	B-20 VOA	water
L9	B-20 LITER	water
L10	B-21	water
L11	B-21	water
L12	B-21 VOA	water
L13	B-21 VOA	water
L14	B-21 PLASTIC	water
L15	B-22 VOA	water
L16	B-22 VOA	water
L17	B-22 VOA	water
L18	B-22 VOA	water
L19	B-22 PLASTIC	water
L20	B-23 VOA	water
L21	B-23 VOA	water
L22	B-23 VOA	water
L23	B-23 VOA	water
L24	B-23 PLASTIC	water

Sample Preparation

The sample was prepared according to EPA 3050 procedures

Waste Metals Analysis by EPA Method 6010

<u>Metal</u>	<u>L4 (mg/L)</u>	<u>Detection Limits (mg/L)</u>
Antimony	LDL	0.39
Arsenic	LDL	0.39
Barium	LDL	0.08
Beryllium	LDL	0.04
Cadmium	LDL	0.04
Chromium	LDL	0.04
Cobalt	LDL	0.07
Copper	LDL	0.19
Lead	LDL	0.58
Mercury	LDL	0.53
Molybdenum	LDL	0.14
Nickel	LDL	0.14
Selenium	LDL	1.9
Silver	LDL	0.07
Sodium	LDL	0.85
Vanadium	LDL	0.42
Zinc	LDL	0.11

LDL means results were less than detection limit.

CARTER ANALYTICAL LABORATORY, INC.

Environmental Data

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Order 12251

Project No. AHB1-100801

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B-13 VOA	water
L2	B-13 VOA	water
L3	B-13 VOA	water
L4	B-17 VOA	water
L5	B-17 VOA	water
L6	B-17 LITER	water
L7	B-20 VOA	water
L8	B-20 VOA	water
L9	B-20 LITER	water
L10	B-21	water
L11	B-21	water
L12	B-21 VOA	water
L13	B-21 VOA	water
L14	B-21 PLASTIC	water
L15	B-22 VOA	water
L16	B-22 VOA	water
L17	B-22 VOA	water
L18	B-22 VOA	water
L19	B-22 PLASTIC	water
L20	B-23 VOA	water
L21	B-23 VOA	water
L22	B-23 VOA	water
L23	B-23 VOA	water
L24	B-23 PLASTIC	water

Table 22 Waste Metals Analysis by EPA method 6010 - cont

<u>metal</u>	<u>L8 (mg/L)</u>	<u>L13 (mg/L)</u>	<u>Detection Limits (mg/L)</u>
Lead	0.81	LDL	0.70

<u>metal</u>	<u>L16 (mg/L)</u>	<u>L21 (mg/L)</u>	<u>Detection Limits (mg/L)</u>
Lead	1.38	8.29	0.70

CARTER ANALYTICAL LABORATORY, INC.

Environmental Data

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Order 12251

Project No. AHB1-100801

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B-13 VOA	water
L2	B-13 VOA	water
L3	B-13 VOA	water
L4	B-17 VOA	water
L5	B-17 VOA	water
L6	B-17 LITER	water
L7	B-20 VOA	water
L8	B-20 VOA	water
L9	B-20 LITER	water
L10	B-21	water
L11	B-21	water
L12	B-21 VOA	water
L13	B-21 VOA	water
L14	B-21 PLASTIC	water
L15	B-22 VOA	water
L16	B-22 VOA	water
L17	B-22 VOA	water
L18	B-22 VOA	water
L19	B-22 PLASTIC	water
L20	B-23 VOA	water
L21	B-23 VOA	water
L22	B-23 VOA	water
L23	B-23 VOA	water
L24	B-23 PLASTIC	water

EPA 413.1 Analysis

<u>Sample</u>	<u>Concentration</u> <u>(mg/L)</u>	<u>Detection</u> <u>Limit</u> <u>(mg/L)</u>
L2	9721.	5.0

WATER ANALYTICAL LABORATORY, INC.

Environmental Data

Page 6 of 7

Order 12251

Project No. AHB1-100801

Sample	Customer Label	Description
L1	B-13 VOA	water
L2	B-13 VOA	water
L3	B-13 VOA	water
L4	B-17 VOA	water
L5	B-17 VOA	water
L6	B-17 LITER	water
L7	B-20 VOA	water
L8	B-20 VOA	water
L9	B-20 LITER	water
L10	B-21	water
L11	B-21	water
L12	B-21 VOA	water
L13	B-21 VOA	water
L14	B-21 PLASTIC	water
L15	B-22 VOA	water
L16	B-22 VOA	water
L17	B-22 VOA	water
L18	B-22 VOA	water
L19	B-22 PLASTIC	water
L20	B-23 VOA	water
L21	B-23 VOA	water
L22	B-23 VOA	water
L23	B-23 VOA	water
L24	B-23 PLASTIC	water

PA 8240 Analysis

Compounds	L5 (ug/L)	Detection Limit (ug/L)	Method Blank (ug/L)	Detection Limit (ug/L)
chloroethane	LDL	10.	LDL	10.
bromomethane	LDL	2.	LDL	2.
vinyl chloride	LDL	10.	LDL	10.
chloromethane	LDL	2.	LDL	2.
ethylene chloride	LDL	2.	28.	2.
trichlorofluoromethane	LDL	2.	LDL	2.
1-Dichloroethene	LDL	2.	LDL	2.
1-Dichloroethane	LDL	2.	LDL	2.
trans-1,2-Dichloroethene	LDL	2.	LDL	2.
chloroform	30.	2.	LDL	2.
2-Dichloroethane	LDL	2.	LDL	2.
1,1-Trichloroethane	LDL	2.	LDL	2.
carbon tetrachloride	LDL	2.	LDL	2.
peromodichloromethane	2.4	2.	LDL	2.
2-Dichloropropane	LDL	2.	LDL	2.
trans-1,3-Dichloropropene	LDL	2.	LDL	2.
1,1,2-Trichloroethane	LDL	3.	LDL	3.
trichloroethene	LDL	2.	LDL	2.
benzene	LDL	2.	LDL	2.
Chloroethylvinyl ether	LDL	10.	LDL	10.
tribromochloromethane	LDL	2.	LDL	2.
cis-1,3-Dichloropropene	LDL	2.	LDL	2.

LDL means results were less than detection limit.

CARTER ANALYTICAL LABORATORY, INC.

Environmental Data

Page 7 of 7
 Order 12251
 Project No. AHBI-100801

<u>Sample</u>	<u>Customer Label</u>	<u>Description</u>
L1	B-13 VOA	water
L2	B-13 VOA	water
L3	B-13 VOA	water
L4	B-17 VOA	water
L5	B-17 VOA	water
L6	B-17 LITER	water
L7	B-20 VOA	water
L8	B-20 VOA	water
L9	B-20 LITER	water
L10	B-21	water
L11	B-21	water
L12	B-21 VOA	water
L13	B-21 VOA	water
L14	B-21 PLASTIC	water
L15	B-22 VOA	water
L16	B-22 VOA	water
L17	B-22 VOA	water
L18	B-22 VOA	water
L19	B-22 PLASTIC	water
L20	B-23 VOA	water
L21	B-23 VOA	water
L22	B-23 VOA	water
L23	B-23 VOA	water
L24	B-23 PLASTIC	water

EPA 8240 Analysis - cont

<u>Compounds</u>	<u>L6 (ug/L)</u>	<u>Detection Limit (ug/L)</u>	<u>Method Blank (ug/L)</u>	<u>Detection Limit (ug/L)</u>
Bromoform	LDL	2.	LDL	2.
1,1,2,2-Tetrachloroethane	LDL	2.	LDL	2.
tetrachloroethene	LDL	2.	LDL	2.
oluene	LDL	2.	LDL	2.
Chlorobenzene	LDL	2.	LDL	2.
Ethylbenzene	LDL	2.	LDL	2.
,3-Dichlorobenzene	LDL	3.	LDL	3.
,2-Dichlorobenzene	LDL	3.	LDL	3.
1,4-Dichlorobenzene	LDL	3.	LDL	3.

Surrogate Percent Recovery

Bromochloromethane:	110.	104.
1-Chloro,2-Bromopropane:	116.	100.
4-Dichlorobutane:	118.	100.

LDL means results were less than detection limit.

CARTER ANALYTICAL LABORATORY


 J. A. Edward Robinson
 Laboratory Manager


 J. L. Carter
 QA/QC Manager