ENVIRONMENTAL INC.

Preliminary Site Assessment Report
Harrison Garage
1432 - 1434 Harrison Street
Oakland, California
April 2, 1992

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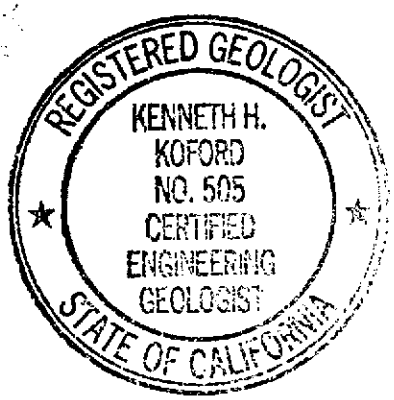

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HARRISON STREET PROJECT
OAKLAND, CA
March 26, 1992

1. INTRODUCTION

Alvin H. Bacharach, Inc. contracted RGA, Inc. to perform a site assessment at 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 were analyzed to determine the presence or absence of total petroleum hydrocarbons as gasoline (TPH-G), and as diesel (TPH-D), volatile aromatic hydrocarbons (BTEX), polychlorinated biphenyls (PCBs), priority metals (CAM-17), and chlorinated and halogeneated volatile organics. The findings from this assessment are part of the basis for developing a site safety plan for the removal of the underground storage tanks and the associated piping.

2. 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 Harrison Street side of the garage is a one story building, and the Alice Street side of the garage is a three story building. The garage is used commercially for the parking of automobiles and light trucks. In the past the site was a Chevron Service Station, with underground storage tanks, dispensers and associated piping.

Previous work performed at the site include a Phase I and a Phase II Site Assessments by SCS Engineers, and Subsurface Consultants, Inc. respectively. Preliminary work suggested the potential for possible soil contamination by hydrocarbon compounds. SCS investigation showed the presence of petroleum hydrocarbons in the soil.

3. 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

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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 a 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 the 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.

4. SOIL INVESTIGATIONS

A. 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 to 3 feet below the piping. Borings B-9 thru B-12 were located around the two waste oil tanks. Due to a possible concrete vault or building foundation, auger refusal was experienced at 5 feet in B-9, 8 feet in 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.

B. Hydraulic Lift and Sump Areas (GROUND FLOOR)

Soil borings B-13, B-14, and B-15 were located adjacent to the two hydraulic lifts. Boring B-16 was located adjacent to 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 suggested 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 for laboratory analyses.

C. Gasoline Tank Area (HARRISON STREET SIDEWALK)

Two underground storage tanks are 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 where 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. This was designed to characterize the subsurface following the sudden contact with groundwater. Groundwater samples and one soil sample were collected from B-17 and B-20. One soil sample was collected from B-19. All samples were sent to the laboratory for chemical analyses.

D. Pump Island And Piping Areas (GROUND FLOOR)

Soil boring B-21 was located along the piping which is between the tanks and dispensers and measures 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.

5. 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 area 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 had low plasticity. Groundwater was encountered at about 3 to 5 feet below ground surface. 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 ground surface gradually changed from clayey sand to silty sand.

6. LABORATORY ANALYSES AND RESULTS

A. Soils

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

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 lost by Carter Laboratories. Laboratory results showed 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′.

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 halogenated volatile organics: This compound was non-detectable or below detection limits in all the samples (B-1 thru B-10).

6. Levels of PCBS: This compound was non-detectable or below detection limits in all the samples (B-1 thru B-10).

7. Levels of priority pollutant metals: Mercury was above ten times the STLC Regulatory Level in the samples from borings B-1 through B-10. Selenium

was above ten times the STLC Regulatory Level in samples from borings B5-2 through B-9.

Detailed laboratory results for this area are contained in Appendix B, and summary of the results are in Table 1.

C. 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 showed 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: Mercury was above ten times the STLC Regulatory Level in samples from borings B13-5', B13-15', B14-5', B14-15', B9-5' and B10-8'. Selenium was above ten times the STLC Regulatory Level in samples from borings B13-5', B13-15' and B14-15'.

5. Levels of PCBs: This compound was less than detection limit in all the samples, except in B13-5', which had 245 ppm.

6. Levels of Chlorinated volatile organics: This compound was less than detection limit in all the samples.

Detailed laboratory results for this area are contained in Appendix B, and summary of the results are in Table 2.

D. Gasoline Tank Area (HARRISON STREET SIDEWALK)

Harrison St tank farm

Selected 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 showed 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 PCBS: 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.

Detailed laboratory results for this area are contained in Appendix B, and summary of the results are in Table 3.

E. Water Samples Results

Groundwater 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, and summary of the results in Table 4. Laboratory results showed the following:

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, 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.

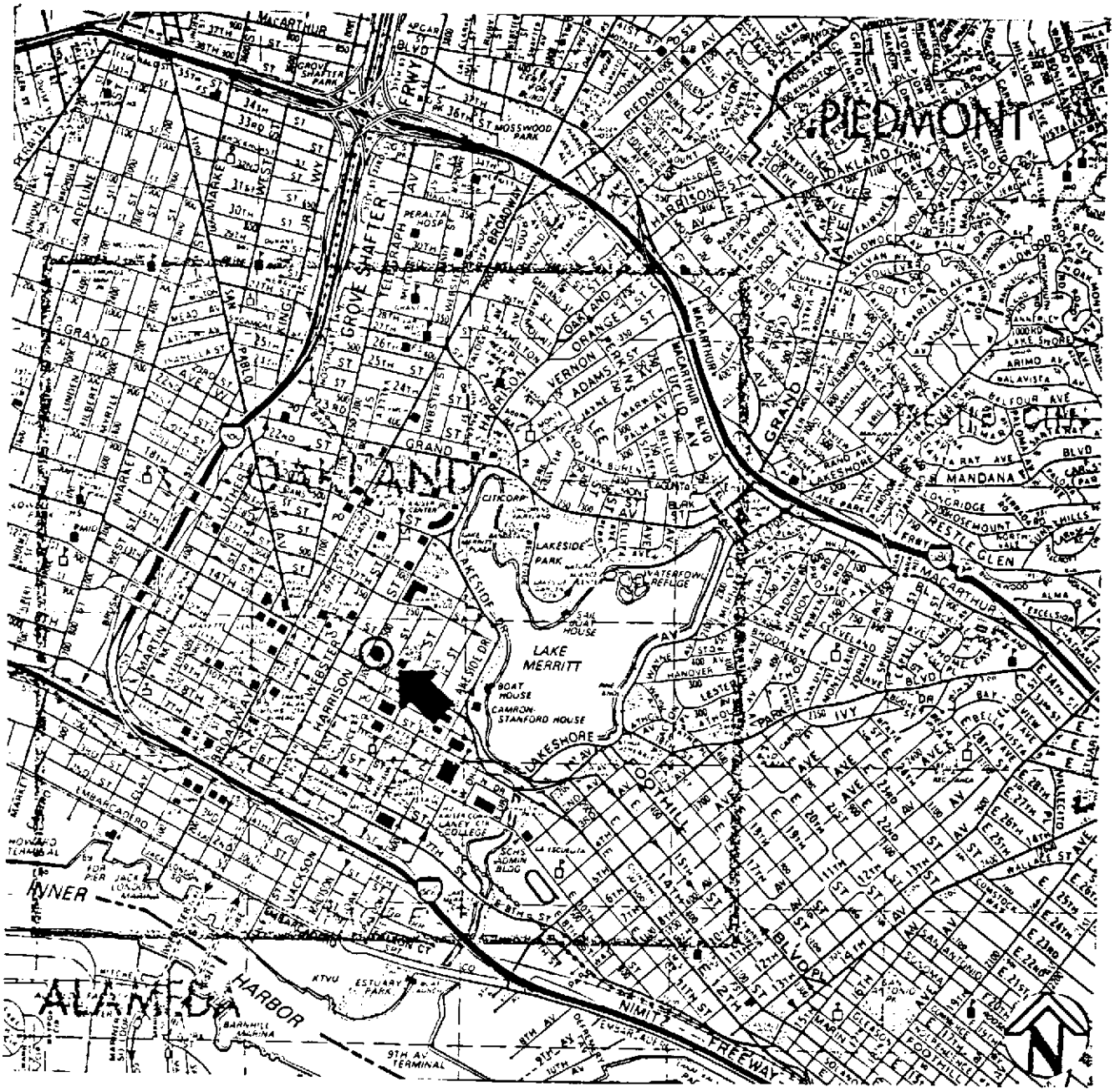
6. Levels of Priority Pollutant Metals: Water sample from boring B-17 was analyzed for metals, and the results indicated that all the parameter were less than detection limits.

7. CONCLUSION

Based on the field observations, laboratory analyses and results of soil, and water samples from the subject site, the waste oil underground storage tanks in the basement appeared to be covered by a concrete vault. There are traces of hydrocarbon compounds around the tank and along the piping in the

basement. There are presence of hydrocarbon compounds and (PCBs) in the hydraulic lift area. Traces of free product were observed during subsurface investigations in boring B-13. There are low levels of petroleum hydrocarbons around the gasoline underground storage tanks area, and high levels of petroleum hydrocarbons around the dispensers.

Due to the tight clay and high retention of liquid by clay, it appears that lateral migration of contaminants in the unsaturated zone may be fairly limited.



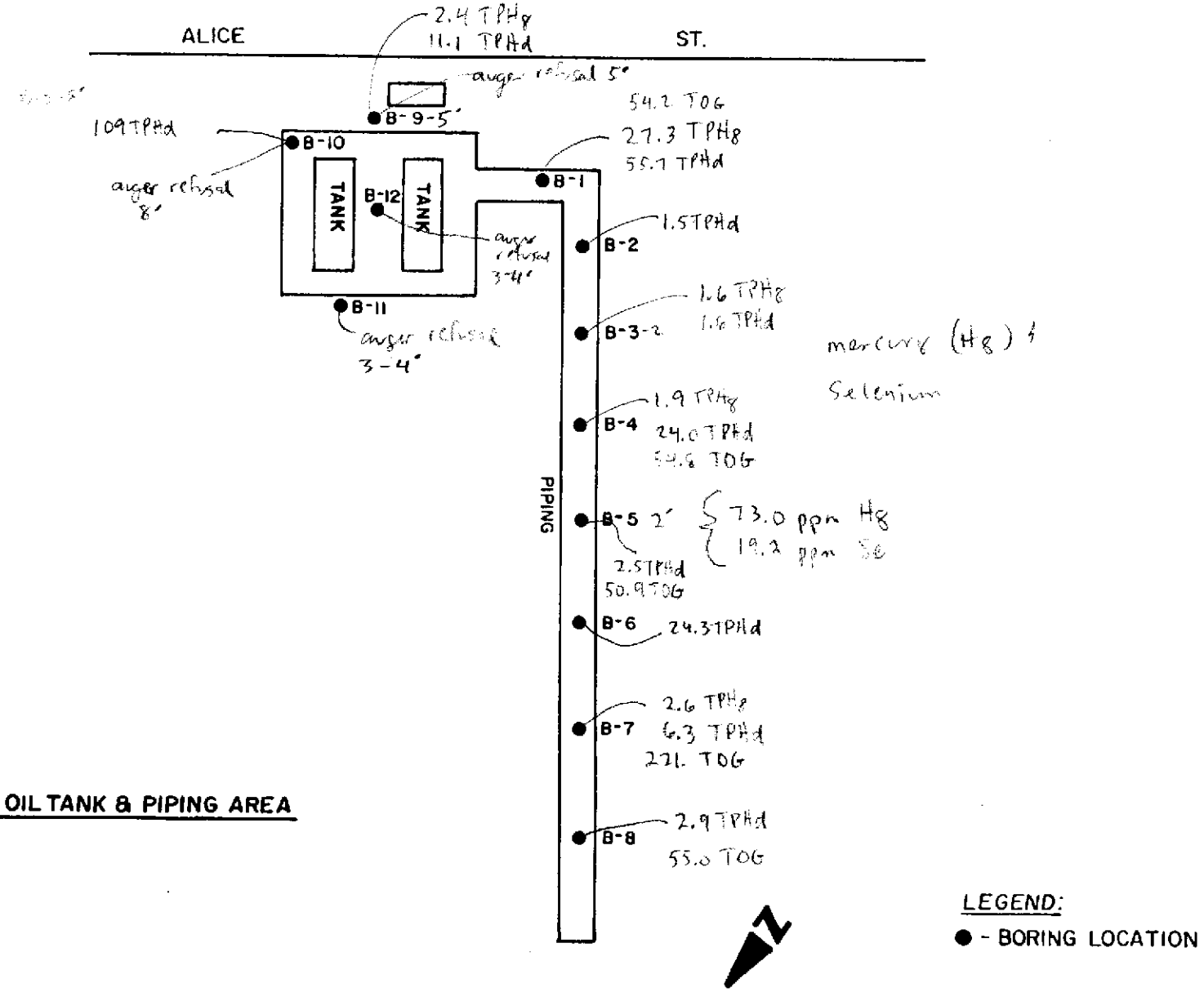
1432-1434 HARRISON STREET

LOCAL AREA SITE LOCATION MAP

◉ - SITE LOCATION

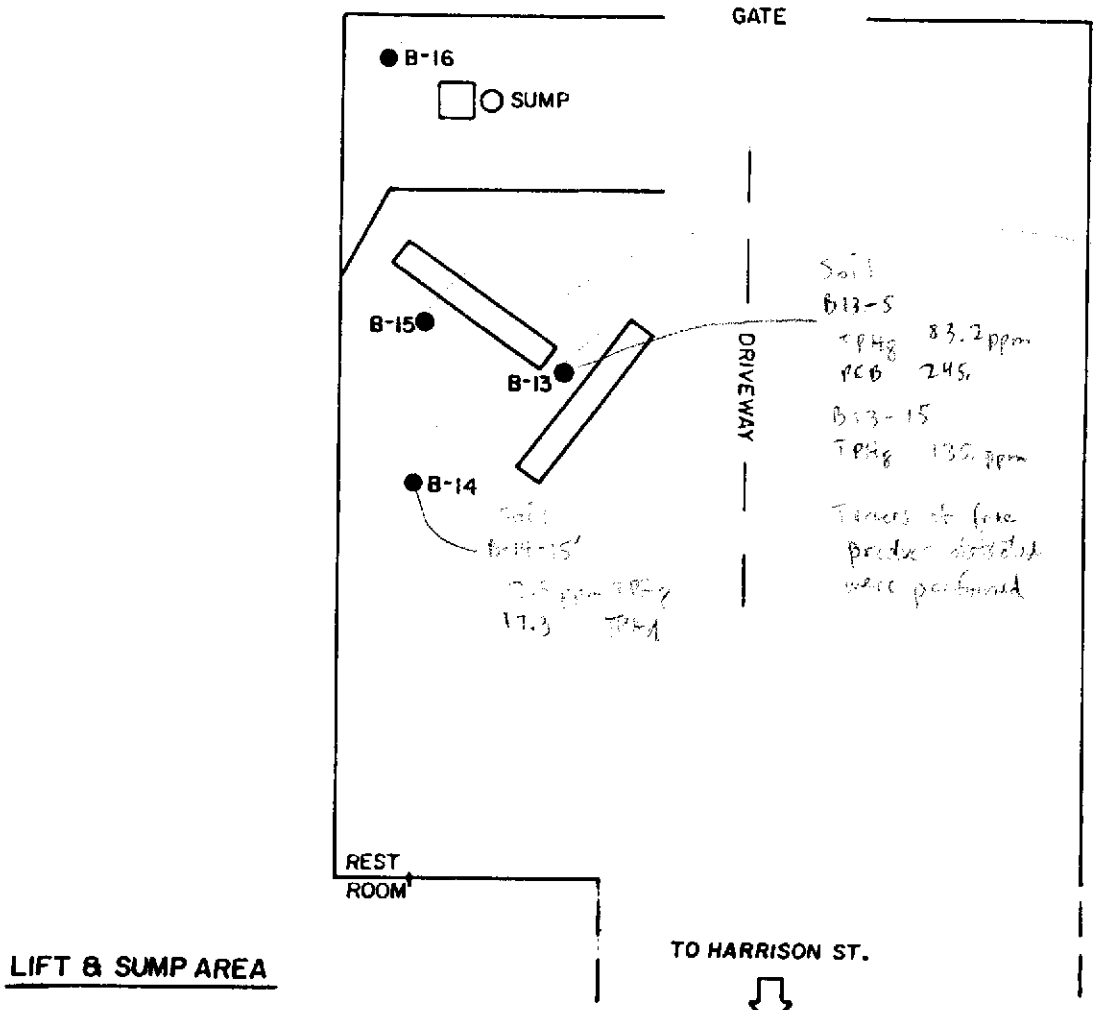
FIGURE - 1

all values in ppm



WASTE OIL TANK & PIPING AREA

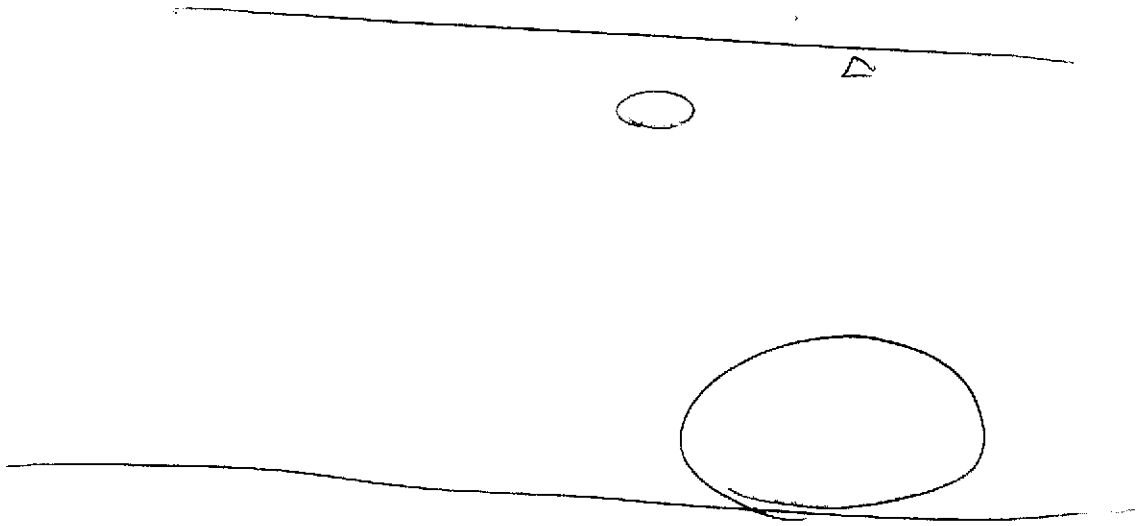
RGA ENVIRONMENTAL INC.	JOB CODE: 100801	SITE LOCATION: 1432-1434 HARRISON ST. OAKLAND
EMERYVILLE, CA	SCALE: 1" = 30' APPROX. FIGURE 2	BORING LOCATIONS - BASEMENT

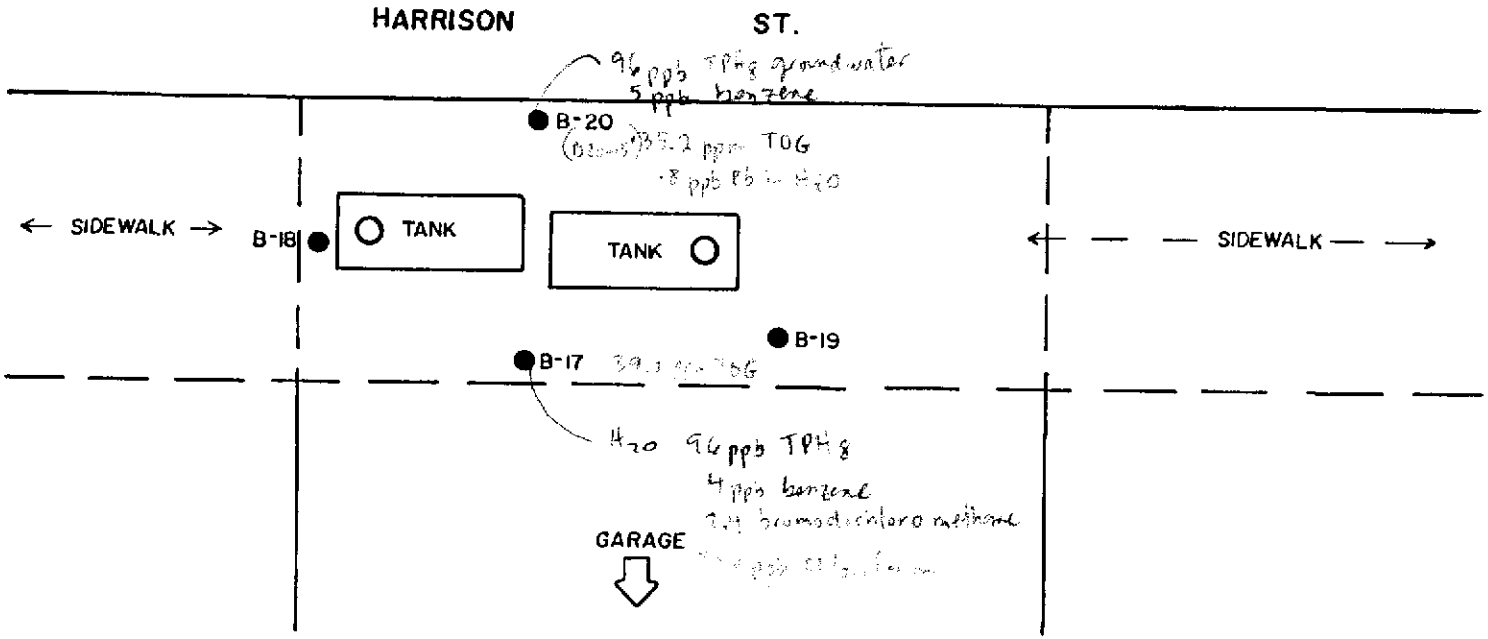


LIFT & SUMP AREA

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



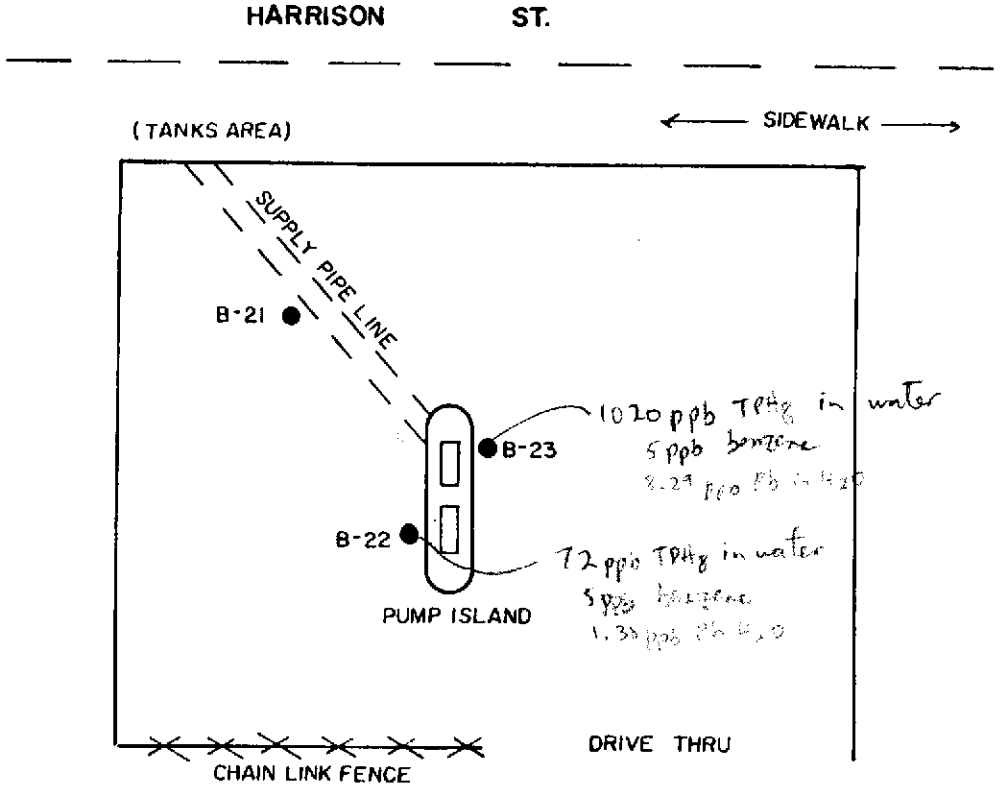


GASOLINE TANK AREA (SIDEWALK)

LEGEND:

● - BORING LOCATION

RGA 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



PUMP ISLAND AREA

LEGEND:

● - BORING LOCATION

RGA 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

TABLE 1A

Harrison Street Garage - Tanks and Piping in the Basement

Summmary of laboratory Results of soil Samples

TPH/BTEX (mg/Kg)

Sample I.D	TPH - G	TPH - D	Benzene	Toluene	Ethyl Benzene	Xylenes
B1-2'	27.3	55.7	LDL	3.0	0.23	LDL
B2-2'	LDL	1.5	LDL	0.10	LDL	LDL
B3-2'	1.6	1.6	LDL	1.1	LDL	LDL
B4-2'	1.9	24.1	LDL	0.8	LDL	LDL
B5-2'	LDL	2.5	LDL	0.4	LDL	LDL
B6-2'	LDL	24.3	LDL	0.4	LDL	LDL
B7-2'	2.6	6.3	LDL	1.6	LDL	LDL
B8-2'	LDL	2.9	LDL	0.04	LDL	LDL
B9-5'	2.44	11.1	NT	LDL	NT	NT
B10-8'	LDL	109.0	NT	LDL	NT	NT

TABLE 1B

Oil and Grease (mg/Kg)

Sample I.D	Concentration
B1-2'	54.2
B2-2'	LDL
B3-2'	LDL
B4-2'	54.8
B5-2'	50.9
B6-2'	LDL
B7-2'	221.
B8-2'	55.1

TABLE 1C

Polychlorinated Biphenyls (PCB's) (mg/Kg)

Compound	B1-2'	B2-2'	B3-2'	B4-2'	B5-2'	B6-2'	B7-2'	B8-2'	B9-5'	B10-8
Arochlor 1242 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Arochlor 1254 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Arochlor 1221 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Arochlor 1232 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Arochlor 1248 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Arochlor 1260 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Arochlor 1016 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL

TABLE 1D

Harrison Street Garage - Tanks and Piping Areas in The Basement

Halogenated Volatile Organics (mg/Kg)

Compound	B1-2'	B2-2'	B3-2'	B4-2'	B5-2'	B6-2'	B7-2'	B8-2'
Benzyl chloride	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Bis(2-chlororthoxy)methane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Bromobenzene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Bromodichloromethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Bromoform	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Bromomethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Carbon tetrachloride	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Chlorobenzene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Chloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
2-Chloroethylvinyl ether	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Chloroform	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1-Chlorohexane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Chlormethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Chloromethyl methyl ether	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Chlorotoluene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Dibromochloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Dibromomethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,2-Dichlorobenzene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,3-Dichlorobenzene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,4-Dichlorobenzene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Dichlorodifluromethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,1-Dichloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,2-Dichloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,1-Dichloroethylene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
trans-1,2-Dichloroethylene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Dichloromethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,2-Dichloropropane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
trans-1,3-Dichloropropylene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,1,1,2-Tetrachloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,1,2,2-Tetrachloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Tetrachloroethylene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,1,1-Trichloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,1,2-Trichloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Trichloroethylene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Trichlorofluoromethane	LDL	LDL	LDL	LDL;	LDL	LDL	LDL	LDL
Trichloropropane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Vinyl chloride	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL

TABLE 1E

Waste Metals - CAM - 17 (mg/Kg)

Metals	STLC	TTLC	B1-2'	B2-2'	B3-2'	B4-2'	B5-2'	B6-2'	B7-2'	B8-2'
Antimony	15	500	20.1	18.9	18.7	23.8	22.8	20.5	22.3	19.7
Arsenic	5	500	35.3	39.5	40.2	42.9	47.3	42.2	45.3	39.2
Barium	100	10000	80.5	LDL	32.6	39.2	45.5	47.5	42.3	29.9
Beryllium	.75	75	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Cadmium	1.	100	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Chromium	5	500	40.8	25.3	43.6	49.2	50.9	46.6	48.3	38.9
Cobalt	80	8000	6.91	2.0	7.54	8.28	9.34	8.34	9.22	6.74
Copper	25	2500	6.20	LDL	4.87	5.35	5.32	4.87	6.20	4.34
Lead	5	1000	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Mercury	0.2	20	50.7	49.7	54.2	66.5	73.0	66.7	74.2	52.9
Molybdenum	350	3500	33.6	9.81	34.8	39.4	43.1	40.3	49.5	34.7
Nickel	20	2000	21.9	16.9	33.6	45.6	47.2	41.4	36.3	30.8
Selenium	1.0	100	15.3	LDL	17.0	19.2	19.2	16.9	18.9	15.3
Silver	5.	500	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Thallium	7.	700	10.4	12.8	12.1	16.2	20.9	15.6	15.9	17.0
Vanadium	24.	2400	27.6	11.0	29.5	31.0	32.1	27.2	27.9	24.4
Zinc	250	5000	385.2	21.2	19.9	23.2	21.4	20.1	90.9	17.5

TABLE 1F

Chlorinated Hydrocarbons (mg/Kg)

Compounds	B9-5'	B10-8'	Compounds	B9-5'	B10-8'
Chloroethane	LDL	LDL	Chlorobenzene	LDL	LDL
Bromomethane	LDL	LDL	Ethylbenzene	LDL	LDL
Vinyl chloride	LDL	LDL	1,3-Dichlorobenzene	LDL	LDL
Chloromethane	LDL	LDL	1,2-Dichlorobenzene	LDL	LDL
Methylene chloride	LDL	LDL	1,4-Dichlorobenzene	LDL	LDL
Trichlorofluromethane	LDL	LDL			
1,1-Dichloroethene	LDL	LDL			
1,1-Dichloroehane	LDL	LDL			
trans-1,2-Dichloroethene	LDL	LDL			
Chloroform	LDL	LDL			
1,2-Dichloroethane	LDL	LDL			
1,1,1-Trichloroethane	LDL	LDL			
Carbon tetrachloride	LDL	LDL			
Bromodichloromethane	LDL	LDL			
1.2-Dichloropropane	LDL	LDL			
trans-1,3-Dichloropropene	LDL	LDL			
1,1,2-Trichloroethane	LDL	LDL			
Trichloroethene	LDL	LDL			
Benzene	LDL	LDL			
2-Chloroethylvinyl ether	LDL	LDL			
Dibromochloromethane	LDL	LDL			
cis-1,3-Dichloropropene	LDL	LDL			
Bromoform	LDL	LDL			
1,1,2,2-Tetrachloroethane	LDL	LDL			
Tetrachloroethene	LDL	LDL			
Toluene	LDL	LDL			

TABLE 2A

Harrison Street Garage - Hydraulic Lift and Sump Areas

Summary of Laboratory Results of Soil samples

TPH/BTEX (mg/Kg)

Sample I.D	TPH - G	TPH - D	Benzene	Toluene	Ethyl Benzene	Xylenes
B13-5'	8.32	1.63	LDL	.068	1.23	LDL
B13-15'	135.0	LDL	NT	.71	NT	8.85
B14-5'	LDL	LDL	LDL	NT	NT	NT
B14-15'	2.5	17.3	NT	NT	LDL	NT

TABLE 2B

Waste Metals - CAM - 17 (mg/Kg)

Metals	B13-5'	B13-15'	B14-5'	B14-15'	B15-5'	B15-15'	B16-5	B16-15'
Antimony	15.5	11.1	12.3	14.1	12.7	17.1	17.5	14.4
Arsenic	47.3	27.4	27.5	32.7	25.4	36.0	41.8	26.0
Barium	67.4	59.1	52.9	68.5	69.4	59.5	72.6	40.1
Beryllium	LDL	LDL	LDL	LDL	0.21	0.19	0.27	0.21
Cadmium	LDL	1.1	LDL	0.95	1.03	0.93	1.11	0.83
Chromium	56.7	54.0	33.9	48.8	37.6	45.6	51.0	59.1
Cobalt	9.34	8.69	6.32	6.86	6.72	6.76	11.1	8.59
Copper	LDL	10.3	LDL	8.53	8.25	8.87	9.29	7.31
Lead	17.4	13.8	11.2	13.2	26.6	16.7	14.3	10.2
Mercury	45.4	35.5	28.1	32.8	29.4	33.2	44.9	34.7
Molybdenum	19.4	18.7	15.7	18.0	18.9	30.0	34.7	24.9
Nickel	46.1	128.4	39.4	367.2	56.6	72.3	60.3	48.4
Selenium	21.9	15.5	12.3	15.3	9.02	15.5	15.2	8.81
Silver	LDL	LDL	LDL	LDL	4.97	4.51	4.51	4.92
Thallium	17.5	19.9	12.8	11.8	8.46	12.3	17.4	14.8
Vanadium	34.8	41.9	28.9	29.7	33.0	30.9	41.8	38.2
Zinc	24.8	24.4	18.7	26.28.7	23.5	25.3	27.1	18.8

TABLE 2C

Polychlorinated Biphenyls (PCB's) (mg/Kg)

Compound	B13-5'	B13-15'	B14-5'	B14-15'
Arochlor 1242 (PCB)	LDL	LDL	LDL	LDL
Arochlor 1254 (PCB)	LDL	LDL	LDL	LDL
Arochlor 1221 (PCB)	LDL	LDL	LDL	LDL
Arochlor 1232 (PCB)	LDL	LDL	LDL	LDL
Arochlor 1248 (PCB)	LDL	LDL	LDL	LDL
Arochlor 1260 (PCB)	245.	LDL	LDL	LDL
Arochlor 1016 (PCB)	LDL	LDL	LDL	LDL

TABLE 2D

Chlorinated Hydrocarbons (mg/Kg)

Compounds	B15-5'	B15-15'	B16-5'	B16-15'	B13-5'	B13-15'	B14-5'	B14-15'
Chloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Bromomethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Vinyl chloride	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Chloromethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Methylene chloride	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Trichlorofluoromethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,1-Dicholothene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,1-Dichloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
trans-1,2-Dichlorothaene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Chloroform	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,2-Dichloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,1,1-Trichlorothane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Carbon tetrachloride	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Bromodichoromethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,2-Dichloropropane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
trans-1,3-Dichloropropene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,1,2-Trichlorothane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Trichloroethene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Benzene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
2-Chloroethylvinyl ether	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Dibromochloromethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
cis-1,3-Dichloropropene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Bromoform	LDL	LDL	LDL	LDL	LDL	LDL	LDL;	LDL
1,1,2,2-Tetrachloroethane	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Tetrachlorothene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Toluene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Chlorobenzene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
Ethylbenzene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1.3-Dichlorobenzene	LDL	LDL	LDL	LDL	LDL	LDL	LLDL	LDL
1,2-Dichlorobenzene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL
1,4-Dichlorobenzene	LDL	LDL	LDL	LDL	LDL	LDL	LDL	LDL

TABLE 3A

Harrison Street Garage - Tank Area on Harrison Street Sidewalk
Summary of Laboratory Results of Soil Samples

TPH/BTEX (mg/Kg)

ample I.D	TPH-G	TPH-D	Benzene	Toluene	Ethyl Benzene	Xylene
B23-5'	2.5	26.0	LDL	.027	LDL	LDL
B23-10'	3.3	LDL	LDL	.034	LDL	LDL
B20-15'	2.5	LDL	LDL	.034	LDL	LDL
B22-5'	42.3	670.0	LDL	.113	LDL	2.13
B22-10'	1540.0	175.0	.987	11.7	1.67	2.88
B21-5'	1.9	15.7	LDL	.021	LDL	.026
B21-15'	2.1	16.7	LDL	.02	LDL	.01
B20-5'	2.0	22.7	LDL	.03	LDL	LDL
B19-5'	2.1	24.0	LDL	.03	LDL	0.01
B17-5'	2.5	28.0	LDL	LDL	LDL	.01

TABLE 3B

Waste Metals (CAM 17) (mg/Kg)

Compound	B20-15'	B17-5'	Compound	B20-15'	B17-5'
Arsenic	13.9	19.8	Mercury	2.48	3.56
Barium	32.5	39.9	Molybdenum	LDL	LDL
Beryllium	LDL	LDL	Nickel	224.8	LDL
Cadmium	LDL	LDL	Selenium	LDL	6.24
Chromium	23.2	30.1	Silver	0.57	0.92
Cobalt	3.59	5.73	Thallium	5.33	9.96
Copper	5.33	5.10	Vanadium	19.3	25.5
Lead	10.4	10.4	Zinc	18.1	17.7

TABLE 3C

Oil and Grease (mg/Kg)

Sample I.D	Concentration
B20-15'	35.2
B17-5'	39.1

TABLE 3D

Harrison Street Garage - Tank and Dispenser Areas

Summary of Laboratory Results and Soil Samples

Polychlorinated Biphenyls (PCB's) (mg/Kg)

Comppound	B20-15'	B17-5'
Arochlor 1242 (PCB)	LDL	LDL
Arochlor 1254 (PCB)	LDL	LDL
Arochlor 1212 (PCB)	LDL	LDL
Arochlor 1232 (PCB)	LDL	LDL
Arcohlor 1248 (PCB)	LDL	LDL
Arochlor 1260 (PCB)	LDL	LDL
Arochlor 1016 (PCB)	LDL	LDL

TABLE 3E

Chlorinated hydrocarbons (mg/Kg)

Compounds	B17-5'
Chloroethane	LDL
Bromomethane	LDL
Vinyl chloride	LDL
Chloromethane	LDL
Metylene chloride	LDL
Trichlorofluoromethane	LDL
1,1-Dichloroethene	LDL
1,1-Dichloroethane	LDL
trans-1,2-Dichlorothene	LDL
Chloroform	LDL
1,2-Dichlorothane	LDL
1,1,1-Trichloroethane	LDL
Carbon tetrachloride	LDL
Bromodichloromethane	LDL
1,2-Dichloropropane	LDL
trans-1,3-Dichloropropene	LDL
1,1,2-Trichloroethane	LDL
Trichloroethene	LDL
Benzene	LDL
2-Chloroethylvinyl ether	LDL
Dibromochloromethane	LDL
cis-1,3-Dichloropropene	LDL
Bromoform	LDL
1,1,2,2-Tetrachlorothane	LDL
Tetrachloethene	LDL
Toluene	LDL
Chlorobenzene	LDL
Ethylbenzene	LDL
1,3-Dichlorobenzene	LDL
1,2-Dichlorobenzene	LDL
1,4-Dichlorobenzene	LDL

TABLE 4A

Harrison Street Garage, 1432 - 1434 Harrison Street, Oakland, CA

Summary of Laboratory Results - Groundwater Samples
TPH/BTEX (ug/L)

Sample I.D	TPH-G	TPH-D	Benzene	Toluene	Ethyl Benzene	Xylene
B-13	60200	LDL	55.0	45.0	26.5	242
B-17	LDL	LDL	4.0	LDL	LDL	LDL
B-20	96	LDL	5.0	6.0	LDL	LDL
B-21	LDL	LDL	LDL	LDL	LDL	LDL
B-22	72.0	LDL	5.0	0.7	LDL	3.0
B-23	1020	LDL	5.0	3.0	2.0	7.9

TABLE 4B

Oil and Grease (ug/L)

Sample I.D	Concentration
B-13	9721

TABLE 4C

Total Lead (ug/L)

Sample I.D	Concentration (mg/L)
B-20	0.81
B-21	LDL
B-22	1.38
B-23	8.29

TABLE 4D

Waste Metals (CAM 17) (ug/L)

Compounds	B-17	Compounds	B-17
Antimony	LDL	Mercury	LDL
Arsenic	LDL	Molybdenum	LDL
Barium	LDL	Nickel	LDL
Beryllium	LDL	Selenium	LDL
Cadmium	LDL	Silver	LDL
Chromium	LDL	Thallium	LDL
Cobalt	LDL	Vanadium	LDL
Copper	LDL	Zinc	LDL
Lead	LDL		

TABLE 4E

Harrison Street Garage, Groundwater Samples

Summary of Laboratory Results

Chlorinated Hydrocarbons (ug/L)

Compounds	B-17
Chloroethane	LDL
Bromoethane	LDL
Vinyl chloride	LDL
Chloromethane	LDL
Methylene chloride	LDL
Trichlorofluoromrthane	LDL
1,1-Dichloroethene	LDL
1,1-Dichloroethane	LDL
trans-1,2-Dichlorothene	LDL
Chloroform	LDL
1,2-Dichlorothane	LDL
1,1,1-Trichloroethane	LDL
Carbon tetrachloride	LDL
Bromodichloromethane	2.4
1,2-Dichloropropane	LDL
trans-1,3-Dichoropropene	LDL
1,1,2-Trichlorothane	LDL
Trichloroethene	LDL
Benzene	LDL
2-Chloroethylvinyl ether	LDL
Dibromochloromethane	LDL
cis-1,3-Dichloropropene	LDL
Bromoform	LDL
1,1,2,2-Tetrachloroethane	LDL
Tetrachloroethene	LDL
Toluene	LDL
Chlorobenzene	LDL
Ethylbenzene	LDL
1,3-Dichlorobenzene	LDL
1,2-Dichlorobenzene	LDL
1,4-Dichlorobenzene	LDL

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.: 11/2 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	CONDITION	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 plastticity; moist; no odor; no reaction with HCL; OVA .2 ppm.	0 5 10 15 20 25	SM		◥			

RGA, INC.

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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.: 11/2 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: 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
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 5 10 15 20 25	SM	B9-5'	◥			

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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.: 11/2 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 stem a

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 sand; about 40% silt; none to low dry strength; no plasticity; no odor; moist; no reaction with HCL; OVA 0 ppm.	0 5 10 15 20 25	SM	B10-8'	◥			

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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.: 11/2 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: _____

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 NUMBER	SAMPLES CONDITION	SAMPLES BLOWS	WELL CONSTR. PIPE	WELL CONSTR. 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	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.	5	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. ▼	10	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.	15	SC	B13-20				
CLAYEY SAND: Same As Above. OVA 20 ppm.	20						
	25						

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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.: 11/2 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: _____

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 NUMBER	SAMPLES CONDITION	SAMPLES BLOWS	WELL CONSTR. PIPE	WELL CONSTR. 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					

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DRILLING AND LITHOLOGIC LOG

BORING #15

PROJECT: Harrison Garage Oakland

CLIENT: Alvin H. Bacharach, Inc.

PROJECT #: AHBI - 100801

TOTAL DEPTH OF HOLE: 25 Feet DIAM.: 11/2 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: 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 NUMBER	SAMPLES CONDITION	SAMPLES BLOWS	WELL CONSTR. PIPE	WELL CONSTR. FILL
SILTY SAND: Brown; about 60% very fine to fine, hard, subrounded to rounded; about 40% silt; low to mediumdry 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 reacttion 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				

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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. 11/2 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: _____

SAMPLER TYPE: 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 NUMBER	SAMPLES CONDITION	SAMPLES BLOWS	WELL CONSTR. PIPE	WELL CONSTR. 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	SM	B16-5'				
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.	5	SC	B16-10				
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. ▼	10	CL	B16-15				
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 0 ppm.	15	SC	B16-20				
CLAYEY SAND: Same As Above	20	SC	B16-25				
	25						

RGA, INC.

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

DRILLING AND LITHOLOGIC LOG

BORING #17

PROJECT: Harrison Garage Oakland

CLIENT: Alvin H. Bacharach, Inc.

PROJECT #: AHBI - 100801

TOTAL DEPTH OF HOLE: 5 Feet DIAM.: 1 1/2Inches

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: Clossed Spoon Sampler

DRILLING CO. RGA, INC. DRILLINGMETHOD: 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 NUMBER	SAMPLES CONDITION	SAMPLES BLOWS	WELL CONSTR. PIPE	WELL CONSTR. 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 I ppm. ▼	0 5 10 15 20 25	SC	B17-5	◥			

RGA, INC.

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

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 1/2Inches

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: SAMPLERTYPE: 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 NUMBER	SAMPLES CONDITION	SAMPLES BLOWS	WELL CONSTR. PIPE	WELL CONSTR. 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 5 10 15 20 25	SC	B19-5	◥			

RGA, INC.

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

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 1/2Inhes

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: SAMPLER TYPE: Closed Spoom 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% 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 5 10 15 20 25	SC	B20-5	◥			

RGA, INC.

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

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.: 11/2 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 NUMBER	SAMPLES CONDITION	SAMPLES BLOWS	WELL CONSTR. PIPE	WELL CONSTR. FILL
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. ▼	5	SC	B21-5'	◥			
CLAYEY SAND: Same As Above.	10	SC	B21-10	◥			
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.	15	SM	B21-15	◥			
	20						
	25						

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

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.: 11/2 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 Samplerr

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 NUMBER	SAMPLES CONDITION	SAMPLES BLOWS	WELL CONSTR. PIPE	WELL CONSTR. 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						

RGA, INC.

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

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.: 11/2 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: 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 NUMBER	SAMPLES CONDITION	SAMPLES BLOWS	WELL CONSTR. PIPE	WELL CONSTR. 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. ▼	5	SC	B23-5				
CLAYEY SAND: Same As Above. OVA 10 ppm.	10	SC	B23-10				

RGA, INC.

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

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 LABORTORY, INC.

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

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

Hydrocarbons and BTEX Analysis of Soil

Sample Number	TPH-G (mg/Kg)	TPH-D (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl Benzene (mg/Kg)	Xylenes (mg/Kg)
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

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

EPA 413.2 Analysis

Sample	Concentration (mg/Kg)	Detection Limit (mg/Kg)
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.

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

EPA 8010 Analysis

Compound	L1 (ug/Kg)	L2 (ug/Kg)	L3 (ug/Kg)	L4 (ug/Kg)	Detection Limit (ug/Kg)
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

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

EPA 8010 Analysis - cont

Compound	L5 (ug/Kg)	L6 (ug/Kg)	L7 (ug/Kg)	L8 (ug/Kg)	Detection Limit (ug/Kg)
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.

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

EPA 8080 Analysis

Compound	L1 (ug/Kg)	L2 (ug/Kg)	L3 (ug/Kg)	L4 (ug/Kg)	Detection Limit (ug/Kg)
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

Compound	L5 (ug/Kg)	L6 (ug/Kg)	L7 (ug/Kg)	L8 (ug/Kg)	Detection Limit (ug/Kg)
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.

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CARTER ANALYTICAL LABORATORY

Dr. A. Edward Robinson
Laboratory Manager

J.L. Carter
QAQC Manager

COMPANY R G A

ADDRESS 1260 45th St

CITY Emeryville STATE CA ZIP 94608

Page 1 of 1

Ref. No 80#12144

L1-L8

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

Chain of Custody

	PROJECT NO.	SITE NAME & ADDRESS	DATE SAMPLE TAKEN	ANALYSIS: TPH-G	TPH-D	O&G EPA 413.2	BTEX	CLHC EPA 8010	Priority Pollutant Metals (EPA 3050/6010 for CAM 17)	PCB's EPA 8080	REMARKS
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)	Date:	Received By: (Signature)	Date:	Remarks:
Chris Nevaburez	1-17-92	Deborah Richmond	1/17/92	Samples rec'd cold / good condition
Deborah Richmond	1/20/92	[signature]	1/20/92	
[signature]	1/29/92	Deborah Richmond	1/29/92	
	Date		Date:	

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 LABORTORY, INC.

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

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

EPA 8240 Analysis

Compounds	L1 (ug/Kg)	Detection Limit (ug/Kg)	L2 (ug/Kg)	Detection Limit (ug/Kg)
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.

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

EPA 8240 Analysis

Compounds	L3 (ug/Kg)	Detection Limit (ug/Kg)	L4 (ug/Kg)	Detection Limit (ug/Kg)
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.

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

EPA 8240 Analysis

Compounds	L5 (ug/Kg)	Detection Limit (ug/Kg)	L6 (ug/Kg)	Detection Limit (ug/Kg)
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.

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

EPA 8240 Analysis

Compounds	L7 (ug/Kg)	Detection Limit (ug/Kg)	L8 (ug/Kg)	Detection Limit (ug/Kg)
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.

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

EPA 8240 Analysis

Compounds	Blank (ug/Kg)	Detection Limit (ug/Kg)
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

Dr. A. Edward Robinson
Laboratory Manager

J.L. Carter
QAQC Manager

P.02

COMPANY R G A

ADDRESS 1260 45th St

CITY Emeryville STATE CA ZIP 94608

Page 1 of 1

Ref. No. ~~SO#12144~~ ~~L1-L8~~ SO#12206-L1-L8

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

Chain of Custody

	PROJECT NO.	SITE NAME & ADDRESS	DATE SAMPLE TAKEN	TPH-G	TPH-D	O&G EPA 413.2	BTEX	CLHC EPA 8010	Priority Metals EPA 3050 EPA 6010 CAM 17	PCB's - EPA-8080 EPA 8240 (HP 8/02	REMARKS
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. 12144				SO 12206	

Relinquished By: (Signature):	Date:	Received By: (Signature):	Date:	Remarks:
Chris Nevrabuzek	1-17-92	Deborah Richmond	1/17/92	Samples rec'd cold / good condition
Deborah Richmond	1/20/92	[illegible]	1/20/92	
[illegible]	1/29/92	Deborah Richmond	1/29/92	
Deborah Richmond	1/29/92	Tran The'	1/29/92	

JAN-13-92 MON 11:01 CARTER LABS

ANALYSIS REPORT
FOR

RGA Environmental Consulting
1260 45th Street
Emeryville, CA 94608

Revised 03-11-92
CONTACT: Chris Nwabuzoh DATE: 03-02-92

CHAIN OF CUSTODY ID NO: AHB1-100801 ORDER NO: 12192A P.O. 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.

CARTER ANALYTICAL LABORTORY, INC.

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

Sample	Customer Label	Description
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

Sample Number	TPH-G (mg/Kg)	TPH-D (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl Benzene (mg/Kg)	Xylenes (mg/Kg)
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

Sample	Customer Label	Description
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

Metal	L1 (mg/Kg)	L2 (mg/Kg)	L3 (mg/Kg)	STLC Regulatory Levels	TTLC Regulatory Levels	TTLC Detection Limits (mg/Kg)
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

Sample	Customer Label	Description
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

Metal	L4 (mg/Kg)	L5 (mg/Kg)	L6 (mg/Kg)	STLC Regulatory Levels	TTLC Regulatory Levels	TTLC Detection Limits (mg/Kg)
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.

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

EPA 8080 Analysis

Compound	L1 (ug/Kg)	L2 (ug/Kg)	L3 (ug/Kg)	L4 (ug/Kg)	L5 (ug/Kg)	L6 (ug/Kg)	Detection Limit (ug/Kg)
Arochlor 1242 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	0.065
Arochlor 1254 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	0.5
Arochlor 1221 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	0.5
Arochlor 1232 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	0.5
Arochlor 1248 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	0.5
Arochlor 1260 (PCB)	245.	LDL	LDL	LDL	LDL	LDL	0.5
Arochlor 1016 (PCB)	LDL	LDL	LDL	LDL	LDL	LDL	0.5

Average Percent Recovery for Arochlor 1248: 40.7

LDL indicates results were less than detection limits.

==========

CARTER ANALYTICAL LABORATORY

Dr. A. Edward Robinson
Laboratory Manager

J.L. Carter
QAQC Manager

Ref. No SC#12192-21-26

COMPANY R G A

ADDRESS 1260 45th Street

CITY Emeryville STATE CA ZIP 94606

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

Chain of Custody

	PROJECT NO.	SITE NAME & ADDRESS	DATE SAMPLE TAKEN	TPH-G	TPH-D	BTEX EPA 8020	OIL & GREASE EPA 413.2	CLHC EPA 8240	PCB's EPA 8080	PRIORITY METALS (CAM 17) EPA 3050/6010	REMARKS
				ANALYSIS							
L1	B13-5'	AHBI-100801 Harrison Garage 1432-1435 Harrison St. Oakland CA	1-21	✓	✓	✓	✓	✓	✓	✓	
L2	B13-15'		1-21	✓	✓	✓	✓	✓	✓	✓	
L3	B14-5'		1-21	✓	✓	✓	✓	✓	✓	✓	
L4	B14-15'		1-21	✓	✓	✓	✓	✓	✓	✓	
L5	B9-5		1-22	✓	✓	✓	✓	✓	✓	✓	
L6	B10-8'		1-22	✓	✓	✓	✓	✓	✓	✓	

Relinquished By: (Signature):	Date:	Received By: (Signature):	Date:	Remarks:
Chris Wasabuzol	1-24-92	Deborah Richmond	1/24/92	Samples rec'd cold / good condition
Deborah Richmond	1/31/92	[illegible]	1/31/92	
[illegible]	3/2/92	Deborah Richmond	3/2/92	
	Date		Date:	

JAN-13-92 MON 11:0[illegible] CARTER LABS P.02

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 LABORTORY, INC.

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

Sample	Customer Label	Description
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

Compounds	L1 (ug/Kg)	Detection Limit (ug/Kg)	L2 (ug/Kg)	Detection Limit (ug/Kg)
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.

Sample	Customer Label	Description
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

Compounds	L3 (ug/Kg)	Detection Limit (ug/Kg)	L4 (ug/Kg)	Detection Limit (ug/Kg)
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.

Sample	Customer Label	Description
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

Compounds	L5 (ug/Kg)	Detection Limit (ug/Kg)	L6 (ug/Kg)	Detection Limit (ug/Kg)
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.

Sample	Customer Label	Description
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

Compounds	L7 (ug/Kg)	Detection Limit (ug/Kg)	L8 (ug/Kg)	Detection Limit (ug/Kg)
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.

Sample	Customer Label	Description
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

Compounds	L9 (ug/Kg)	Detection Limit (ug/Kg)	L10 (ug/Kg)	Detection Limit (ug/Kg)
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.

Sample	Customer Label	Description
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

Compounds	Blank (ug/Kg)	Detection Limit (ug/Kg)
Chloroethane	LDL	6.7
Bromomethane	LDL	6.7
Vinyl chloride	LDL	6.7
Chloromethane	LDL	6.7
Methylene chloride	LDL	390.
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	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

Dr. A. Edward Robinson
Laboratory Manager

J.L. Carter
QAQC Manager

Page 1 of 1

Ref. No. SO#12192-L1-L6

So 12281

COMPANY R G A

ADDRESS 1260 45th Street

CITY Emeryville STATE CA ZIP 94606

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

Chain of Custody

PROJECT NO.: AHBI-100801

SITE NAME & ADDRESS: Harrison Garage 1432-1435 Harrison St. Oakland CA

	Sample	DATE SAMPLE TAKEN	TPH-G	TPH-D	BTEX	EPA 413.2 OIL & GREASE	EPA 8240 CLHC (1/28/92)	EPA-8080 PCBS	EPA 3050/6010. CAM 17 PRIORITY metals (cap)	REMARKS
L5	B13-5'	1-21	✓	✓	✓	✓	✓	✓	✓	
L6	B13-15'	1-21	✓	✓	✓	✓	✓	✓	✓	
L7	B14-5'	1-21	✓	✓	✓	✓	✓	✓	✓	
L8	B14-15'	1-21	✓	✓	✓	✓	✓	✓	✓	
L9	B9-5	1-22	✓	✓	✓	✓	✓	✓	✓	
L10	B10-8'	1-22	✓	✓	✓	✓	✓	✓	✓	

Relinquished By: (Signature)	Date	Received By: (Signature)	Date	Remarks
Chris Nwabuzol	1-24-92	Deborah Richmond	1/24/92	Samples rec'd cold / good condition
Deborah Richmond	1/31/92	[signature]	1/31/92	
[signature]				

Page 1 of 1

COMPANY RGA, Inc.

ADDRESS 1260 45th Street,

CITY Emeryville STATE CA ZIP 94608

Ref. No. SO#12229-L1-L4

SO12281

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

Chain of Custody

PROJECT NO.	SITE NAME & ADDRESS	DATE SAMPLE TAKEN	TPH-G	TPH-D	BTEX	TO & G (EPA 413.2)	PCB's (EPA 8080)	CL HC (EPA 8240)	Priority Pollutant Metals CAM17 (EPA 3050/6010)	REMARKS
AHBI-100801	Harrison Garage 1432 Harrison St Oakland CA									
L1 B15-5'		1/30/92	✓	✓	✓	✓	✓	✓	✓	
L2 B15-15'		1/30/92	✓	✓	✓	✓	Remove	✓	✓	Skip 8080 per customer
L3 B16-5'		1/30/92	✓	✓	✓	✓	✓	✓	✓	
L4 B16-15'		1/30/92	✓	✓	✓	✓	Remove	✓	✓	Skip 808 per customer

Relinquished By: (Signature):	Date:	Received By: (Signature):	Date:	Remarks:
Chris Maloney (signature)	1-31-92	Deborah Richmond	2/3/92 11:00 AM	Delivered by Natl. Courier Systems. Samples rec'd. cold / good condition.

CARTER LABS ON 11:05 P.02

CARTER ANALYTICAL LABORATORY, INC.

ENVIRONMENTAL ANALYSIS

LAB NUMBER: 12229 CERTIFICATION NO: 1661 RECEIVED: 02-03-92 ANALYZED: 02-10-92 REPORTED: 03-12-92 PAGE 1 OF 2 METHOD: EPA 6010	CUSTOMER: RGA Environmental Consulting CONTACT: Chris Nwabuzoh PROJECT NO: AHB1-100801 SITE: Harrison Garage SAMPLED DATE: 01-30-92 SAMPLE TYPE: Soil NUMBER OF SAMPLES: 4

EPA 6010 Analysis

Metal	L1 B15-5' (mg/Kg)	L2 B-15-15' (mg/Kg)	L3 B16-5' (mg/Kg)	L4 B16-15' (mg/Kg)	Detection Limit (mg/Kg)
Antimony	12.7	17.1	17.5	13.6	1.5
Arsenic	25.4	36.0	41.8	26.0	1.5
Barium	69.4	59.5	72.6	40.1	0.3
Beryllium	0.21	0.19	0.27	0.21	0.15
Cadmium	1.03	0.93	1.11	0.83	0.15
Chromium	37.6	45.6	51.0	59.1	0.15
Cobalt	6.72	6.76	11.1	8.59	0.25
Copper	8.25	8.87	9.29	7.31	0.75
Lead	26.6	16.7	14.3	10.2	2.2
Mercury	29.4	33.2	44.9	34.7	2.0
Molybdenum	18.9	30.0	34.7	24.9	0.55
Nickel	56.6	72.3	60.3	48.4	0.55
Selenium	9.02	15.5	15.2	8.81	7.5
Silver	4.97	4.51	4.51	4.92	0.25
Thallium	8.46	12.3	17.4	14.8	3.25
Vanadium	33.0	30.9	41.8	38.2	1.60
Zinc	23.5	25.3	27.1	18.8	0.45

LDL = Less Than Detection Limit
DL = Detection Limit
NT = NOT TESTED

CARTER ANALYTICAL LABORATORY, INC.

LAB NUMBER: 12229 RECEIVED: 02-03-92 REPORTED: 03-12-92	CERTIFICATION NO: 1661 ANALYZED: 02-10-92 PAGE 2 OF 2	CUSTOMER: RGA Environmental Consulting CONTACT: Chris Nwabuzoh PROJECT NO: AHB1-100801

Samples not collected within a two week period of time following the completion of analyses will be discarded unless otherwise specified.

If you would like to discuss the contents of the report, please contact your Technical Sales Representative.

REPORT APPROVED BY _____ TITLE QAQC Manager

J.L. Carter

_____ TITLE Laboratory Manager

Dr. A. Edward Robinson

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

JAN-13-92 MON 11:07 CARTER LABS P.02

Ref. No. SO#12229-L1-L4

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

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

Chain of Custody

PROJECT NO.: AHBI-100801

SITE NAME & ADDRESS: Harrison Garage, 1432 Harrison St, Oakland CA

	Sample	DATE SAMPLE TAKEN	TPH-G	TPH-D	BTEX	TOG (EPA 413.2)	PCB's (EPA 8080)	CLHC (8240)	Priority Pollutant Metals (EPA 3050/6010 CA 417)	REMARKS
L1	B15-5'	1/30/92	✓	✓	✓	✓	✓	✓	✓	
L2	B15-15'	1/30/92	✓	✓	✓	✓	✓	✓	✓	
L3	B16-5'	1/30/92	✓	✓	✓	✓	✓	✓	✓	
L4	B16-15'	1/30/92	✓	✓	✓	✓	✓	✓	✓	

Relinquished By: (Signature)	Date	Received By: (Signature)	Date	Remarks
Chris Mabrazol	1-31-92	Deborah Richmond	2/3/92 11:00 AM	Delivered by Natl. Courier Systems. Samples rec'd cold / good condition.
Deborah Richmond	2/6/92	Linda Rubin	2/6/92	
Linda Rubin (dR)	2/6/92	Deborah Richmond	2/6/92	
Deborah Richmond	2/10/92	[illegible]	2/10/92	
Linda Rubin (dR)	2/10/92	Deborah Richmond	2/10/92	

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 LABORTORY, INC.

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

Environmental Data

Order 12292
Project No.AHB1-100801

Sample	Customer Label	Description
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

Sample Number	TPH-G (mg/Kg)	TPH-D (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl Benzene (mg/Kg)	Xylenes (mg/Kg)
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

Sample	Customer Label	Description
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 TTLC procedures.

Title 22 Waste Metals Analysis by EPA method 6010

Metal	L3 (mg/Kg)	L11 (mg/Kg)	STLC Regulatory Levels	TTLC Regulatory Levels	TTLC Detection Limits (mg/Kg)
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

Sample	Customer Label	Description
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

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

EPA 8080 Analysis

Compound	L3 (ug/kg)	L11 (ug/kg)	Detection Limit (ug/kg)
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.

Sample	Customer Label	Description
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

Compounds	L11 (ug/Kg)	Detection Limit (ug/Kg)	Method Blank (ug/Kg)	Detection Limit (ug/Kg)
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.

CARTER ANALYTICAL LABORATORY

Dr. A. Edward Robinson
Laboratory Manager

J.L. Carter
QAQC Manager

JAN-13-92 MON 11:07 CARTER LABS P.02

Page 1 of 1

Ref. No. SO# ~~1237~~ 12292-L1-L11

COMPANY R G A

ADDRESS 1260 43th Street

CITY Emeryville STATE CA ZIP 94608

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

Soils in Plastic Sleeves (Tubes ...)

Chain of Custody

PROJECT NO.: AHBI - 100801

SITE NAME & ADDRESS: Harrison Garage, 1432 Harrison St, Oakland, CA

	Sample	DATE SAMPLE TAKEN	EPA 3050 PCB	BTEX	TPH-G	EPA 3050/6010 TOTAL Pb	TPH-D	O&G EPA 413.2	HC EPA 5520	Priority Metals EPA 3050/6010 CAM 17	REMARKS
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	~~2-4~~	✓	✓		✓					
L10	B19 - 5' 2-3	~~2-4~~	✓	✓		✓					
L11	B17 - 5' 2-3	~~2-4~~	✓	✓	✓	✓	✓	✓	✓		See Attachment for Priorities

Relinquished By: (Signature):	Date:	Received By: (Signature):	Date:	Remarks:
Chris [signature]	2-6-92	N. Valentine		
dR Aero Spec. Del.	2/6/92	Deborah Richmond	2/6/92	Samples rec'd cold / good conditions
Deborah Richmond	2/18/92	Linda Rubin	2/18/92	
dR Linda Rubin	3/4/92	Deborah Richmond	3/4/92	

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

Hydrocarbons and BTEX Analysis of Water

Sample Number	TPH-G (ug/L)	TPH-D (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Xylenes (ug/L)
L1	60200.	NT	55.0	45.0	26.5	242.
L2	NT	LDL	NT	NT	NT	NT
L4	LDL	NT	4.0	LDL	LDL	LDL
L6	NT	LDL	NT	NT	NT	NT
L7	96.	NT	5.0	6.0	LDL	1.0
L9	NT	LDL	NT	NT	NT	NT
L12	LDL	NT	LDL	LDL	LDL	LDL
L14	NT	LDL	NT	NT	NT	NT
L15	72.0	NT	5.0	0.7	LDL	3.0
L19	NT	LDL	NT	NT	NT	NT
L20	1020	NT	5.0	3.0	2.0	7.9
L24	NT	LDL	NT	NT	NT	NT
DL:	50.0	50.0	0.5	0.5	0.5	0.5
AR (%):	---	72.5	---	----	---	---

LDL indicates results are less than detection limit.
DL = Detection Limit
AR = Average Recovery

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

Sample Preparation

The sample was prepared according to EPA 3050 procedures

Waste Metals Analysis by EPA Method 6010

Metal	L4 (mg/L)	Detection Limits (mg/L)
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
Thallium	LDL	0.85
Vanadium	LDL	0.42
Zinc	LDL	0.11

LDL means results were less than detection limit.

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

Title 22 Waste Metals Analysis by EPA method 6010 - cont

Metal	L8 (mg/L)	L13 (mg/L)	Detection Limits (mg/L)
Lead	0.81	LDL	0.70

Metal	L16 (mg/L)	L21 (mg/L)	Detection Limits (mg/L)
Lead	1.38	8.29	0.70

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

EPA 413.1 Analysis

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

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

EPA 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.
Methylene chloride	LDL	2.	28.	2.
Trichlorofluoromethane	LDL	2.	LDL	2.
1,1-Dichloroethene	LDL	2.	LDL	2.
1,1-Dichloroethane	LDL	2.	LDL	2.
trans-1,2-Dichloroethene	LDL	2.	LDL	2.
Chloroform	30.	2.	LDL	2.
1,2-Dichloroethane	LDL	2.	LDL	2.
1,1,1-Trichloroethane	LDL	2.	LDL	2.
Carbon tetrachloride	LDL	2.	LDL	2.
Bromodichloromethane	2.4	2.	LDL	2.
1,2-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.
2-Chloroethylvinyl ether	LDL	10.	LDL	10.
Dibromochloromethane	LDL	2.	LDL	2.
cis-1,3-Dichloropropene	LDL	2.	LDL	2.

LDL means results were less than detection limit.

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

EPA 8240 Analysis - cont

Compounds	L5 (ug/L)	Detection Limit (ug/L)	Method Blank (ug/L)	Detection Limit (ug/L)
Bromoform	LDL	2.	LDL	2.
1,1,2,2-Tetrachloroethane	LDL	2.	LDL	2.
Tetrachloroethene	LDL	2.	LDL	2.
Toluene	LDL	2.	LDL	2.
Chlorobenzene	LDL	2.	LDL	2.
Ethylbenzene	LDL	2.	LDL	2.
1,3-Dichlorobenzene	LDL	3.	LDL	3.
1,2-Dichlorobenzene	LDL	3.	LDL	3.
1,4-Dichlorobenzene	LDL	3.	LDL	3.
Surrogate Percent Recovery				
Bromochloromethane:		110.		104.
1-Chloro,2-Bromopropane:		116.		100.
1,4-Dichlorobutane:		118.		100.

LDL means results were less than detection limit.

CARTER ANALYTICAL LABORATORY

Dr. A. Edward Robinson
Laboratory Manager

J. B. Carter
QAQC Manager

Ref. No. SO#12251-L1-L11

COMPANY RGA Env'l. Consulting
ADDRESS 1260 45th Street
CITY Emeryville STATE CA ZIP 94608

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

Chain of Custody

PROJECT NO.: AHB1 100801
SITE NAME & ADDRESS: Harrison Garage, 1432 Harrison St, Oakland, CA

{①②...⑦} Indicate overall priorities per boring location.

	Sample	Date Sample Taken	① BTEX/TPH-G	TPH-D	④ EPA 3050/6010 (Total Pb)	⑦ EPA 413.1 (O+G)	③ EPA 8240/624 (CLHC)	⑤ EPA 3050/6010 "Priority" CAM 17	⑥ EPA 8080/608 PCB's	REMARKS
L1	B-13 VOA	2-4	✓							
L2	-13	2-4		✓						
L3	-13	2-4			✓					
L4	B-17	2-3	✓①							
L5	B-17	2-3					✓	✓②		CAM-17, if there is enough left over
L6	B-17 amber glass (1 liter)	2-3		✓						
L7	B-20 VOA	2-3	✓							
L8	-20 VOA	2-3			✓					
L9	20 amber glass (1 liter)	2-3		✓						
L10	B-21	2-5								back-up
L11	-21	2-5								back-up

Relinquished By: (Signature)	Date:	Received By: (Signature)	Date:	Remarks:
Attached		Deborah Richmond	2/6/92	All samples rec'd. cold/good condition
Deborah Richmond	2/19/92	L Rubin	2/19/92	
LR Linda Rubin	2/28/92	Deborah Richmond	2/28/92	

~~FROM:~~ TO:

Carter Analytical Laboratory, Inc.
590 Division St. • CAMPBELL, CA 95008
(408) 364-3030 • (408) 866-4757 (FAX)

SO #12251-L20-L24

REF. NO. ____________

Chain of Custody

	PROJECT NO.	SITE NAME & ADDRESS	DATE SAMPLE TAKEN	NUMBER OF CONTAINERS	TPH-G/BTEX	TPH-D	EPA 3050/6010 Total Pb			REMARKS
	AHBI-100821	Harrison Garage 1432 Harrison St Oakland, CA								
L20	B-23	VOA	2-5	1	✓					
L21	-23	↓	↓	1			✓			
L22	-23			1						back-up
L23	-23			1						" "
L24	-23	plastic bottle		1		✓				

Relinquished By: (Signature):	Date:	Received By: (Signature):	Date:	Remarks:
Attached		Debrah Richmond	2/6/92	
Debrah Richmond	2/19/92	L Rubin	2/19/92	
Linda Rubin	2/28/92	Debrah Richmond	2/28/92	

Ref. No SO# 12251-L12-L19

COMPANY RGA Env'l Consulting

ADDRESS 1260 - 45th Street

CITY Emeryville STATE CA ZIP 94608

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

Chain of Custody

	PROJECT NO.	SITE NAME & ADDRESS	DATE SAMPLE TAKEN	ANALYSIS: TPH-G/BTEX	TPH-D	EPA 3050/6010 Total Pb				REMARKS
L12	B-21	VOA	2-5	✓						
L13	-21	VOA	2-5			✓				
L14	-21	plastic bottle - Tall	2-5		✓					
L15	B-22	VOA	2-5	✓						
L16	B-22	VOA				✓				
L17	-22	VOA								back-up
L18	-22	VOA								" "
L19	-22	plastic bottle Tall (Unpres)	↓		✓					

Relinquished By: (Signature):	Date:	Received By: (Signature):	Date:	Remarks:
Attached		Deborah Richmond	2/6/92	
Deborah Richmond	2/19/92	L Rubin	2/19/92	
CLR Linda Rubin	2/28/92	Deborah Richmond	2/28/92	
Relinquished By: (Signature):	Date	Received By: (Signature):	Date:	Remarks: