



June 16, 1994

LF 3015

Mr. Barney Chan, Hazardous Materials Specialist Alameda County Health Care Services Agency Department of Environmental Health Division of Hazardous Materials 80 Swan Way, Room 200 Oakland, California 94621

Subject: Tank Closure Report on Removal of Underground Fuel Storage Tanks and Related Structures at the Former Gasoline Service Station Location at 625 Hegenberger Road, Oakland, California

Dear Mr. Chan:

This tank closure report is submitted by Levine-Fricke, Inc. on behalf of Diversified Investment and Management Corp., for the former gasoline service station location at 625 Hegenberger Road, Oakland, California.

Please do not hesitate to call if you have any questions.

Sincerely,

Ausan M. Henry

Susan M. Henry, Ph.D. Senior Project Engineer

cc: James Graeb, Diversified Investment and Management Corp.

1900 Powell Street, 12th Floor Emeryville, California 94608 (510) 652-4500 Fax (510) 652-2246

Other offices in Irvine, CA; Sacramento/Roseville, CA; Tallahassee, FL; Honolulu, HI



ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

January 27, 1994

LF 3015.00-06

Mr. Barney Chan Alameda County Health Care Services Agency Department of Environmental Health Division of Hazardous Materials 80 Swan Way, Room 200 Oakland, California 94621

Subject: Tank Closure Report on Removal of Underground Fuel Storage Tanks and Related Structures at the Former Gasoline Service Station Location at 625 Hegenberger Road, Oakland, California

Dear Mr. Chan:

Enclosed is the final tank closure report for the subject site. If you have any questions about the report, please call me or John Sturman, P.E., R.G.

Sincerely,

Susan M. Henry

Susan M. Henry, Ph.D. (Senior Project Environmental Engineer

Enclosure

cc: James Graeb, Diversified Investment and Management Corp.

1900 Powell Street, 12th Floor Emeryville, California 94608 (510) 652-4500 Fax (510) 652-2246



Tank Closure Report on Removal of Underground Fuel Storage Tanks and Related Structures at the Former Gasoline Service Station Location at 625 Hegenberger Road, Oakland, California

> January 27, 1994 3015.00-06

Prepared for:

Diversified Investment and Management Corporation 400 Oyster Point Blvd, Suite 415 South San Francisco, California 94080



LEVINE·FRICKE

CONTENTS

LIST	OF TAE	SLES	••	•••	•	••	•••	٠	•	•••	•	•	•	•	•	•	•	•	ii
LIST	OF FIG	URES	• •	•••	•	•••	• •	•	•	•••	•	•	•	•	•	•	•	٠	ii
CERTI	IFICATI	ON .	•••	•••	•	••		٠	•	•••	•	•	•	•	•	•	•	•	iii
1.0	INTROE	UCTIO	м.	••	•	• •	•••	•	•	•••	•	•	•	•	•	•	•	•	1
2.0	BACKGR 2.1 S 2.2 P	COUND Site H Previo	 isto us S	ory Subsu	irfa	 ace	 Inv	est	ig:	 ati	ons	•	•	•	•	• •	•	•	1 1 2
3.0	WORK F 3.1 E 3.2 E 3.3 U	emoli	tion tion	of and	St: 1 S'	ruct toc}	ure pil	s ing	, , o:	 f S	oil	•	٠	•	•	•	•		3 3 3
	S	tabil Temova Tir Mo Soil a Excava	izat l of nito nd G tion	ion US oring round Bac	Pro [s,] nd-1 ckf.	oced Apr Wate illi	lure ourt er S ing	ena amp	int oli	Pi ng	pir	ig,	а • •	ind	ιs	un -	np	•	3 4 5 5 7 7
4.0	FIELD 4.1 U 4.2 A 4.3 S 4.4 G	NSTS, Imbien Soil C	Prod t Ai ondi	luct r Mo. tio	Pij oni ns	pinq tori	g, a ing 	nd Res	Su ul	mp ts • •	Cor	ndi	ti	.or	ns	•	•	•	8 8 9 9
5.0	SOIL Ç	UALIT	Y RE	SUL	rs	••	••	٠	•	• •	•	٠	•	•	•	•	•	•	10
6.0	SUMMAR	AND	CON	ICLUS	510	NS	•••	•	•	• •	•	•	•	•	•	•	•	•	11
REFER	RENCES	• •	••	••	•	••	••	•	•	• •	•	•	•	•	•	•	•	•	13
TABLE	ES																		

FIGURES

ATTACHMENTS

i

LIST OF TABLES

Number	Title
1	Soil Sampling Analysis Results for Stockpiled Soils, UST Removal
2	Soil Sampling Analysis Results for In-Place Soils, UST Removal
3	Confirmation Soil Sampling Analysis Results, UST Removal
4	Ground-Water Sampling Analysis Results, UST Removal

LIST OF FIGURES

Number	Title
1	Site Plan Showing Former Location of USTs and Pump Islands, Location of Stockpiled Soil, and Approximate Location of Monitoring Wells and Soil Borings
2	Site Plan Showing Approximate Soil Sample Locations and Location of Observed Leaks in USTs

ii

CERTIFICATION

All engineering information, conclusions, and recommendations have been prepared under the supervision of and reviewed by a Levine-Fricke California Professional Engineer.

27/94

John O. Sturman Senior Geotechnical Engineer California Civil Engineer (049765)

January 27, 1994

LF 3015.00-06

TANK CLOSURE REPORT ON REMOVAL OF UNDERGROUND FUEL STORAGE TANKS AND RELATED STRUCTURES AT THE FORMER GASOLINE SERVICE STATION LOCATION AT 625 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

1.0 INTRODUCTION

On behalf of Diversified Investment and Management Corporation, Levine Fricke, Inc. ("Levine Fricke") has prepared this report to describe activities related to the removal of three 12,000-gallon capacity underground fuel storage tanks (USTs) and related structures at the former gasoline service station location at 625 Hegenberger Road in Oakland, California ("the Site").

This report describes the demolition of gasoline service station structures, the excavation and stockpiling of soil, the stabilization and removal of the USTs and related structures, and the soil and ground-water sampling activities, and presents laboratory analytical results and our conclusions. Levine.Fricke was retained by Diversified Investment and Management Corporation to provide services to assist with closure of the USTs, including preparation of a site Health and Safety Plan, permitting, compliance, field observation, air monitoring, sampling, and preparation of this closure report.

2.0 BACKGROUND

Structures present at the site included two pump islands with fuel dispenser pumps, a sheet metal canopy held up by three footings, and a sheet metal cashier's building. Concrete overlaid the area over the USTs and between the pump islands.

2.1 Site History

Three 12,000-gallon USTs and one 260-gallon capacity sump were present at the Site. Approximately 140 feet of underground piping (product plus vent piping) connected the USTs to six fuel dispenser pumps located on the two pump islands. It was reported that the USTs were used to store gasoline, and that the sump may have been used to store waste motor oil. It would appear, according to the deeds of trust recorded in the chain of title, that the USTs were installed in the mid-1960s, probably between 1962 and 1966, and abandoned in the mid-

1970s. The former locations of the USTs and pump islands are indicated in Figure 1.

2.2 Previous Subsurface Investigations

Soil samples collected from borings drilled by Subsurface Consultants in 1988 and 1990 contained gasoline, diesel, and oil (Subsurface Consultants 1988 and 1990). Approximate boring locations are shown on Figure 1. The most elevated gasoline concentrations in soil were 5,600 milligrams per kilogram (mg/kg), 2,200 mg/kg, and 1,000 mg/kg in borings 6, 7, and 23, respectively. The most significant diesel concentrations in soil were 6,400 mg/kg and 5,000 mg/kg in borings 7 and 9, respectively. The most significant oil and grease (O&G) concentrations in soil were 100,000 mg/kg, 40,000 mg/kg, and 23,000 mg/kg in borings 7, 9, and 8 (MW-8), respectively.

Soil samples collected by Subsurface Consultants were also analyzed for total lead, soluble lead, organic lead, cyanide, volatile organics, semivolatile organics, and ethylene dibromide. Total lead was detected in soil at concentrations well below 1,000 mg/kg, the State of California total threshold limit concentration (TTLC), and was detected in all soil samples analyzed. Soluble lead was detected in three of six samples at concentrations slightly in excess of the State of California soluble threshold limit concentration (STLC) of 5 mg/kg. Organic lead was detected in one of six samples at 0.9 mg/kg, which is below the TTLC of 13 mg/kg. Volatile and semivolatile organics as analyzed by EPA Methods 8010 and 8270 were not detected. Ethylene dibromide was not detected. Cyanide was detected at 0.49 mg/kg in one of two soil samples analyzed.

Analysis of ground-water samples collected by HartCrowser (HartCrowser 1993) on May 28, 1993 indicated that gasoline, the gasoline constituents benzene, toluene, ethylbenzene, and xylenes (BTEX), and diesel were present in some wells. The most elevated gasoline and benzene concentrations (19 milligrams per liter [mg/l] and 6.4 mg/l, respectively) were detected in monitoring well MW-8, which is approximately downgradient from the pump islands. The ground-water samples were also analyzed for organic lead, which was not detected in them.

3.0 WORK PERFORMED

Golden West, Inc., of Livermore, California, performed the demolition, soil excavation, and UST removal under contract to Diversified Investment and Management Corporation. Utility locations were identified and marked by Underground Services Alert of Concord, California.

3.1 Demolition of Structures

On October 18 and 19, 1993, Golden West removed all aboveground structures from the Site, including six dispenser pumps, two pump islands, a small cashier's building constructed of sheet metal, a sheet metal canopy, concrete in the area between the pump islands, and concrete in the area above the USTs. Hoses were cut off from the fuel pumps and residual product was drained into the USTs. The pumps were removed with a bulldozer. Removal of the pump islands included removal of three footings, approximately 3 feet by 3 feet by 6 feet deep, that supported the canopy.

The concrete between the pump islands was removed with a bulldozer equipped with ripper teeth. The building was demolished with the bulldozer, and the canopy pulled down with the clamshell bucket on the bulldozer. The concrete in the area above the USTs was demolished with a jackhammer attached to a Bobcat. Golden West loaded the rubble into trucks and hauled the rubble to the BFI Vasco Road Sanitary Landfill, a Class III non-hazardous waste landfill located in Livermore, California. A portion of the concrete was retained to construct berms around the soil stockpile.

3.2 Excavation and Stockpiling of Soil

On October 20, 1993, the overburden soil and soil immediately surrounding the USTs was removed using an excavator. Golden West estimated that upperside the back of the property of the property of the property, were it was stockpiled on bermed visque of the property, were it was stockpiled on bermed visque of the soil stockpile did not exceed 8 feet in height. The location of the soil stockpile is shown in Figure 1. The excavated area is indicated in Figure 2.

3.3 UST and Piping Contents Removal and Stabilization Procedure

On October 18, 1993, the product piping was backflushed with water into the USTs to remove residual product. The residual

produce drained from the dispenser piping was also transferred to the USTs. On October 20, residual product was pumped out of the USTs and removed from the Site by H & H Ship Service Company of San Francisco, California (H & H), and taken to PRC Patterson, Inc., in Patterson, California, for recycling. The residual product was anifested as hazardous waste, and recorded under Environmental Protection Agency (EMA) manifest documents 92221033 and 92221061. In Patterson Agency (EMA) manifest documents 92221033 and 92221061.

On October 21, 1993, before their removal, the USTs were stabilized using dry ice and liquid nitrogen. Two hundred pounds of pelletized dry ice was placed in each UST through ports at their ends. Liquid nitrogen was used to stabilize the USTs when it was determined that dry ice was not sufficient to stabilize them. Additionally, four cylinders of liquid nitrogen were used during the UST stabilization process.

Combustible gases and oxygen concentrations were measured in the USTs using a combustible gas meter. The air inside the USTs was drawn into the meter through tubing that was lowered approximately 3 feet into the UST. Before the north UST was removed, meter readings indicated that combustible gases were at 11 percent of the lower explosion limit (LEL) and oxygen was at 2 percent. Before the middle UST was removed, meter readings indicated that combustible gases were at 8 percent of the LEL and oxygen was at 3 percent. Before the south UST was removed, meter readings indicated that combustible gases were at 2 percent of the LEL and oxygen was at 0 percent.

3.4 Removal of USTs, Appurtenant Piping, and Sump

The stabilized USTs were removed from the excavation on October 21, 1993, immediately after meter readings indicated that the LEL and oxygen concentrations had reached acceptable levels. After Barney Chan of the Alameda County Department of Environmental Health (ACDEH) gave his approval, each UST was lifted out of the ground using a link-belt excavator. The middle UST was removed at 12:45 p.m.; the north UST was removed at 1:47 p.m.; and the south UST was removed at 3:26 p.m.

After removal, each tank was placed on the ground and inspected for cracks and holes. Deteriorated tank wrapping was manually removed from each tank with a shovel. After inspection, each tank was lifted onto a flatbed truck operated

by H & H using the belt-link excavator, and secured with chains. The identification numbers of the trucks were #401995, #401994, and #401993. Each UST was manifested as hazardous waste, and recorded under EPA manifest numbers 92221047, 92221048, and 92221049. Copies of these manifest documents are attached. H & H removed the USTs from the Site to its facility in San Francisco, California for recycling.

Before the removal of the USTs, the fill, product, and vent piping were removed on October 21, 1993. The product piping extended approximately 20 feet north from the USTs along west fuel island, then approximately 45 feet east, then approximately 20 feet south along the east fuel island (see Figure 2). The piping was set aside and subsequently loaded onto a truck operated by H & H for removal to its facility for recycling.

The sump was reportedly excavated on October 22, 1993, and loaded onto a truck operated by H & H for removal to its facility for recycling. Levine.Fricke did not observe the sump removal. However, on the morning of October 22, 1993, Levine.Fricke did observe that the sump had been excavated and set aside.

3.5 Air Monitoring

During the soil excavation and UST removal activities, Levine-Fricke used a photoionization detector (PID) to routinely monitor ambient air for volatile organic compounds (VOCs) associated with gasoline. Monitoring was conducted at the perimeter of the work area outside the fence, and in the work area.

During soil excavation activities on October 20, 1993, ambient air was also monitored twice with benzene detector tubes. Benzene in ambient air was monitored at the southwest corner of the excavation, and at the eastern, downwind boundary of the work area outside the fence.

3.6 Soil and Ground-Water Sampling

After the USTs were removed from the Site, soil and groundwater samples were collected by Levine-Fricke under the observation of Barney Chan. Two ground-water samples were collected from the ground water that had seeped into the excavation. Soil samples were collected from the excavation (samples with the designate EX), the dispenser and piping trench (samples with designate D+P), and the stockpile (samples with designate SP), for a total of 23 soil samples.

Unless otherwise noted, all soil samples were collected from native material. Figure 2 presents soil sampling locations.

Since ground water had seeped into the excavation, soil samples from the excavation were taken immediately above the ground water from the excavation side wall, in accordance with the Tank Closure Plan (Golden West 1993). Soil sampled from the side wall of the excavation was collected at approximately 6 to 8 feet below ground surface (bgs) and 2 feet into the side wall of the excavation. Soil sampled from the dispensers and piping trench was sampled from approximately 2 feet below the bottom of the trench, or approximately 4 to 6 feet bgs.

Soil samples from the excavation and piping trench were collected using a backhoe. The backhoe operator was directed to remove portions of native soil at the desired depth and location with the backhoe. After raising the backhoe bucket to the ground surface, soil samples were collected by driving 2-inch-diameter brass tubes into the desired portion of soil in the backhoe bucket. After filling the tube completely to minimize headspace, the ends of the tube were enclosed with plastic caps over Teflon. Samples were labelled and placed in a chilled ice chest for immediate transport to the analytical laboratory under chain-of-custody protocol.

Soil sampled from the soil stockpile was collected from six randomly selected locations across the extent of the stockpile. A trowel was used to remove approximately 6 inches of soil, then soil samples were collected by driving 2-inch-diameter brass tubes into the desired portion of soil. The tubes were filled and capped as described above.

Ground water sampled from the excavation was collected using a backhoe. The backhoe operator was directed to scoop up ground water from the center of the excavation with the backhoe bucket. After the backhoe bucket was raised to the ground surface, two ground-water samples were collected. Groundwater samples were placed in both 1-liter-capacity glass bottles and 40-ml glass volatile organic analysis (VOA) containers. The sample containers were completely filled and checked to avoid trapped air. Immediately after collection, the samples were labeled and placed in a chilled ice chest for immediate transport to the analytical laboratory under chainof-custody protocol.

3.7 Excavation Backfilling

On October 22, 1993, Golden West reportedly backfilled the excavation. Before the excavation was backfilled, the ground water that had seeped into the excavation was removed by H & H. Levine Fricke did not observe backfilling activities, but did observe that H & H was pumping the ground water from the excavation on the morning of October 22. On October 25, 1993, Levine Fricke observed that the excavation had been backfilled.

3.8 Laboratory Analyses

Soil samples collected during the course of UST removal activities were submitted to American Environmental Network of Pleasant Hill, California (AEN). AEN analyzed the samples for total petroleum hydrocarbons as gasoline (TPHg) using EPA Method 5030 GCFID, for BTEX using EPA Method 8020, for TPH as diesel (TPHd) and as oil (TPHo) using EPA Method 3550 GCFID, for O&G using Standard Methods (SM) 5520F, for total lead using EPA Method 7420, and for organic lead using the California Department of Health Services (DHS) method.

Additionally, the two soil samples that contained the highest concentrations of oil were analyzed for cadmium, nickel, chromium, and zinc using EPA Method 6010, for VOCs including chlorinated solvents using EPA Method 8240, and semivolatile organic compounds (SVOCs) using EPA Method 8270. Five soil samples that contained total lead at concentrations greater than 50 mg/kg (10 times the STLC) were analyzed for soluble lead using the EPA Waste Extraction Test method and EPA Method 7420.

Ground-water samples collected from the excavation were also submitted to AEN. AEN analyzed the samples for TPHg using EPA Method 5030 GCFID, for BTEX using EPA Method 8020, for TPHd and TPHo using EPA Method 3510 GCFID, for O&G using Standard Methods (SM) 5520F, for total lead using EPA Method 7420, and for organic lead using the DHS method.

All samples were handled using strict chain-of-custody procedures.

4.0 FIELD OBSERVATIONS

4.1 USTS, Product Piping, and Sump Conditions

Shellie Fletcher and Susan Henry of Levine-Fricke, John MacKay of Diversified Investment and Management Corporation, and Barney Chan of ACDEH inspected the USTs upon removal. Susan Henry and Barney Chan inspected the piping. Levine-Fricke did not observe the sump excavation and removal, but did observe the sump from a distance after it had been excavated and set aside for removal.

The USTs were made of steel. The asphalt tar and fabric wrapping around the USTs had deteriorated. The north UST had an old, rusted dent in the underside of the tank at the eastern end, and a hole (approximately 3 by 6 inches in size) in the dent as indicated in Figure 2. Leaks of nitrogen gas were observed to come from this hole during the UST stabilization procedures. The middle UST had minor exterior corrosion on the eastern end. Leaks of nitrogen gas were observed to come from the underside of the western end of this UST during stabilization procedures (Figure 2), but no hole was observed upon inspection. The south UST had a dent and a frosted area, possibly representing a small hole, on the underside at the eastern end.

Product piping was rusted and corroded, and had small holes in some places. The product piping had been removed by Golden West before soil sampling was conducted, so it was not possible to correlate the sampling locations with the holes in the piping. The sump was reported to be steel, and from the distance at which Levine-Fricke observed the excavated sump, it appeared to be rusted and corroded.

4.2 Ambient Air Monitoring Results

The ambient air monitoring conducted on October 20 during soil excavation activities indicated that the average hydrocarbon concentration, as determined by the PID, ranged from approximately 15 to 30 parts per million (ppm). The minimum ambient air concentration was non-detect, and the maximum was 108 ppm. Three times during the period when soil immediately surrounding the USTs was being excavated and loaded into trucks, levels in excess of 90 ppm were detected. The locations where these high levels were detected were in the work area adjacent to the excavation, and downwind from the work area immediately outside the fencing. Twice, when the PID indicated that the ambient air hydrocarbon concentrations exceeded 100 ppm, benzene detector tubes were used to monitor ambient benzene concentrations. One sample was taken at 1:45 p.m. on October 20 at the southwest corner of the excavation, 2 feet above ground surface. Another was taken at 2:45 p.m. on the eastern side of the work area outside the fence, downwind from excavation activities. The monitoring results indicated that benzene was present in the ambient air at those particular locations at those times at concentrations of approximately 4 ppm. $TWA^{2}(oppm)$

On October 21, during UST removal activities, ambient air hydrocarbon concentrations as monitored by the PID averaged approximately 10 ppm. Generally, hydrocarbon concentrations in the ambient air were much lower than on October 20. Twice during the tank removal activities, the ambient air concentrations briefly exceeded 100 ppm. The PID indicated an ambient air hydrocarbon concentration of 105 ppm directly downwind from the former eastern fuel pump when the footing in that location was excavated. When the middle UST was pulled out of the excavation, the hydrocarbon concentration briefly rose to 122 ppm, but dropped immediately thereafter to 10 ppm.

4.3 Soil Conditions

Concrete paving covered the ground surface over the USTs and the dispenser and piping area. Below the concrete, a layer of aggregate base gravel, consisting of gravel and sand, was observed. The USTs and piping had been placed in sand backfill. Native soils consisted primarily of gray to black clay and silty clay, with some sandy clay. Based on PID measurements, visual observations, and odor, the clay sediments surrounding the excavation and below the piping trench were affected by gasoline hydrocarbons. Pea gravel wet with product (apparently gasoline) was observed in the approximate location of the former southeastern fuel dispenser pump (where sample D+P6 was collected).

4.4 Ground-Water Conditions

Seepage into the excavation was observed during soil excavation activities, and standing water was observed in the excavation at a depth of approximately 6 to 8 feet bgs after the USTs had been removed. A product sheen and floating product were observed on the standing water in the excavation. The water collected from the excavation during sampling had a petroleum hydrocarbon odor. Some of the floating product had a dark, milky sheen, and it was suggested that this dark milky

sheen was from part of the asphalt UST wrap that had been dissolved by gasoline.

5.0 SOIL QUALITY RESULTS

The soil sampling analysis results indicate that soil surrounding the USTs, the sump, and the product piping is affected by gasoline-, diesel-, and oil-range hydrocarbons (Tables 1 and 2). TPHg, the petroleum hydrocarbon of greatest concern, was detected at concentrations up to 7,600 mg/kg. BTEX concentrations were present at corresponding elevated levels. TPHo was detected at concentrations as high as 11,000 mg/kg. TPHd was frequently below detection limits; the highest concentration detected was 140 mg/kg. These soil sampling results are consistent with the soil sampling conducted by Subsurface Consultants in 1988 and 1990 (Subsurface Consultants, 1988 and 1990).

Lead was also detected in the soil (Tables 1 and 2). Total lead was detected in all 23 samples tested at concentrations ranging from 8 to 130 mg/kg, all well below the TTLC of 1,000 mg/kg. Organic lead (tetra-ethyl- and tetra-methyl-lead, which were additives to gasoline) was detected in only 8 of the 23 samples tested at concentrations ranging from 0.7 to 9.1 mg/kg, all less than the TTLC of 13 mg/kg. Soluble lead was detected in all five of the soil samples analyzed for soluble lead. However, only one sample contained soluble lead in excess of the STLC. This sample, D+P6, was the sample that contained total lead at the highest concentration detected. The soluble lead concentration detected was 6 mg/l, slightly in excess of the STLC of 5 mg/l.

The stockpiled soils contained TPHg at concentrations ranging from 780 to 1,900 mg/kg, with an average concentration of 1,195 mg/kg (Table 1). TPHd ranged from below the detection limit to 140 mg/kg. Oil, measured as TPHo and O&G, was present in the highest concentrations in the excavated soil. TPHo ranged from 380 to 11,000 mg/kg, with an average concentration of 2,832 mg/kg. O&G ranged from 730 to 5,700 mg/kg, with an average concentration of 2,238 mg/kg.

The soil samples collected from the sidewalls of the excavation contained TPHg in the highest concentrations detected, with concentrations ranging from 490 to 7,600 mg/kg (Table 2). The highest concentrations in this area (7,600 mg/kg and 6,000 mg/kg) were detected respectively in sample EXWN8, which is approximately downgradient from the former north UST location, and sample EXEN1, which is upgradient from

the former north UST location. Oil concentrations were generally much lower in the soil samples taken from the excavation sidewalls, with concentrations ranging from 30 to 770 mg/kg. TPHd concentrations were below 100 mg/kg in all soil samples taken from the excavation sidewall.

The soil samples collected from the dispenser and piping area contained gasoline at concentrations ranging from below the detection limit to 1,600 mg/kg, with an average concentration of 463 mg/kg (Table 2). TPHo concentrations ranged from 8 to 220 mg/kg. TPHd concentrations were under the laboratory's minimum detection limit for four of the seven samples collected from this area, and the highest concentration detected was 30 mg/kg.

In accordance with the Tank Closure Plan and the requirements of ACDEH, two soil samples with the highest oil concentrations were analyzed for cadmium, chromium, zinc, and nickel, chlorinated hydrocarbons, volatiles, and semivolatiles. The soil samples analyzed for these parameters were samples SP2 and SP3, from the stockpiled soil. No chlorinated hydrocarbons or other volatiles or semivolatiles of concern were detected, except for BTEX, and 2-methylnaphthalene and naphthalene, which are petroleum hydrocarbon components (Table 3). The four metals were detected at levels well below their respective TTLCs.

The two ground-water samples collected from the excavation contained TPHg at 120 and 95 mg/l, with corresponding concentrations of BTEX (Table 4). Benzene was detected at 14 and 15 mg/l. TPHd was below the detection limit, and TPHo was present at concentrations of 30 and 15 mg/l. Total (organic and inorganic) lead in solution was detected at 0.2 and 0.3 mg/l. No organic lead was detected in the ground-water samples.

Analytical results are summarized in Tables 1 through 4, and laboratory certificates are attached.

6.0 SUMMARY AND CONCLUSIONS

Three 12,000-gallon USTs, appurtenant piping, and a sump were removed from the Site. Approximately 250 cubic yards of soil immediately surrounding the USTs was excavated and stockpiled on an adjacent portion of the property site on bermed plastic, and covered with plastic.

Soil from the sidewalls of the excavation and soil from the dispenser and piping area was sampled and analyzed, and found to contain significant concentrations of TPHg and BTEX. The stockpiled soil also contained significant concentrations of TPHg and BTEX, as well as high concentrations of TPHo. The ground water in the excavation was sampled and found to contain significant levels of TPHg and BTEX.

Based upon our review of the work performed, sampling and analysis procedures, and analytical results obtained, it is our opinion that the work was performed in compliance with applicable UST closure requirements.

7.0 RECOMMENDATIONS

We recommend that a supplemental site characterization be conducted to assess both the extent of gasoline-, oil-, and lead-affected soils and the extent of gasoline-affected ground water. To estimate the volume of soils that may require remediation, approximately three to six additional soil borings should be drilled. The potential impact on ground water should be assessed by installing approximately two to four shallow monitoring wells in the downgradient direction (presumably west) from the UST and monitoring the ground water for TPH. We recommend remediation of the stockpiled soils.

REFERENCES

- Golden West, Inc. 1993. Underground Tank Closure Plan for 625 Hegenberger Road, Oakland, California. Prepared for the Alameda County Health Care Services Agency.
- HartCrowser. 1993. Letter Report Regarding Ground-Water Sampling, 625 Hegenberger Road, Oakland, California.
- Subsurface Consultants, Inc. 1988. Letter Report Regarding Petroleum Hydrocarbon Contamination and Underground Fuel Storage Tank Removal, Collins Drive and Hegenberger Road, Oakland, California.
- -----. 1990. Analytical Results and Boring Logs, Collins Drive and Hegenberger Road, Oakland, California.

Sample				Ethyl-	Total				Oil &	Organic	Total
ID	Date	Benzene	Toluene	benzene	Xylenes	TPHg	TPHd	TPHo	Grease	Lead	Lead
SP1	21-0ct-93	<0.20	2.0	2.8	76	1,100	140	900	1,400	1.6	29
SP2	21-0ct-93	0.40	6.2	7.4	65	990	<20	11,000	5,700		48
SP3	21-0ct-93	0.41	4.3	4.2	120	1,400	<20	2,900	2,700	4.5	49
SP4	21-0ct-93	0.44	4.4	1.6	92	1,000	40	1,300	1,700	2.1	30
SP5	21-0ct-93	0.45	11.0	12.0	180	1,900	34	510	1,200	0.7	27
SP6	21-0ct-93	<0.20	3.0	1.5	49	780	17	380	730	2.2	13

TABLE 1 SOIL SAMPLING ANALYSIS RESULTS FOR STOCKPILED SOILS

Data entered by MEK/12 Nov 93 Data proofed by SMH QA/QC by SMAT

TPHg - Total petroleum hydrocarbons as gasoline by EPA Method 5030, GCFID TPHd - Total petroleum hydrocarbons as diesel by EPA Method 3350, GCFID TPHo - Total petroleum hydrocarbons as oil by EPA Method 3550, GCFID Oil and grease by Standard Method 5520 F Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8020 Organic lead by DHS Method Total lead by EPA Method 7420

TTLC - State of California total threshold limit concentration (Source: California Code of Regulations, Title 22)

Analyses performed by American Environmental Network, Pleasant Hill, California.

			SOIL S	SAMPLING /	TABI ANALYSIS RES UST REMOVA		IN-PLACE S	OILS				
			(concent	rations	BERGER ROAD, reported in	, OAKLAND, milligram	s per kilog	gram [mg/				
Sample	*============		#####################################	Ethyl-	Total	82222222			0il &	_		
ID	Date	Benzene	Toluene			TPHg	TPHd	ТРНо	Grease	Organic Lead	Total Lead	Soluble Lead
°D+P1	21-0ct-93	3.4	5.8	12	61	940	30	80	610	<0.5	21	NA
D+P2	21-0ct-93	0.068	0.55	1.1	0.93	160	<10	170	350	<0.5	37	
D+P3	21-0ct-93	0.93	0.22	4.1	1.9	74	<4	120	250	<0.5	120	
D+P4	21-0ct-93	0.64	0.11	0.51	1.3	14	<20	220	190	<0.5	66	
D+P5	21-0ct-93	1.2	2.7	12	35	1,600	<30	210	930	<0.5	86	3.6
D+P6	21-0ct-93	<0.005	<0.005	<0.005	<0.005	<0.2	<6	190	390		130	
D+P7	21-Oct-93	<0.25	0.25	<0.25	10	450	7	8	140	<0.5	12	
EXEN1	21-0ct-93	38	130	130	570	6000	<6	140	430	<0.5	10	NA
EXEM2	21-0ct-93	21	60	52	290	3500	<5	650	2000	<0.5	110	1.3
EXES3	21-0ct-93	38	190	91	510	3200	10	160	510	<0.5	11	NA
EXSES4	21-0ct-93	20	62	90	490	3000	14	240	NA	<0.5	10	NA
EXNEN5	21-0ct-93	31	180	80	420	3200	63	190	NA	<0.5	10	NA
EXNWN6	21-0ct-93	37	180	80	480	3800	8	170	NA	1.2	11	
EXWM7	21-0ct-93	33.3	21	17	130	1300	9	30	NA	<0.5	43	NA
EXWN8	21-0ct-93	74	370	110	860	7600	- 44	770	NA	1.8	19	
EXWS9	21-0ct-93	24	33	60	350	3000	37	140	NA	<0.5	11	NA
EXSWS10	21-0ct-93	4.1	9.3	10	73	490	35	160	NA	<0.5	8	NA
TTLC							•••			13	1,000	•••
STLC				 2223332::	···						•••	5.0
TPHg - To TPHd - To TPHo - To	red by MEK/1 tal petroleu tal petroleu tal petroleu rease by Sta	m hydroca m hydroca m hydroca	rbons as rbons as rbons as	gasoline diesel by oil by EF	by EPA Meth / EPA Method	nod 5030. 1 3550, GC	GCFID FID	_				
Benzene, Soluble li Total lead	toluene, eth ead by Waste d by EPA Met ead by DHS M	ylbenzene Extracti hod 7420	, and tot	al xylene	es by EPA Me nd EPA Metho	ethod 8020 xd 7420						
STLC - Sta	analyzed ate of Calif ate of Calif California	ornia sol	uble thre	shold lin	nit concentr							
Samples w Second set Last lette	ith ID "D+P" ith ID "EX" t of letters er identifie le, "EXNEN"	are from indicate s tank (N	sidewalls which si = north	of the e dewall ar tank. M =	excavation. Pea (E = eas middle tar	nk. S = sou	uth tank).			1).		
	re 2 for sam											
	performed by			ental Net	work. Piese	ant Hill	California	a.				
, r	···· + +)											

;

. .

Ļ

			TAS	SLE 3		
		CONFIRMATIO	IN SOIL SA	MPLING ANALYSIS R	ESULTS	
			UST RE	MOVAL		
	6	25 HEGENBER	GER ROAD	, OAKLAND, CALIFOR	NIA	
(concentra	tions repor	ted in m	illigrams per kild	gram (mg/	(kg])
		*===========			********	
Sample						
ID	Date	Cadmium	Nickel	Chromium Zinc	VOCs	SVOCs

SP2	21-0ct-93		33		75		(2)
SP3	21-0ct-93	0.2	32	31	160	(3)	(4)
	TTLC:	100	2000	2500	5000		
	===================				*********		

Data entered by MEK/30 Nov 93 Data proofed by SMH QA/QC by SMH

(1) Toluene detected at 0.550 mg/kg, and total xylenes detected at 38 mg/kg.

(2) 2-Methylnaphthalene detected at 10 mg/kg, and napthalene detected at 12 mg/kg.

(3) Total xylenes detected at 41 mg/kg.

(4) 2-Methylnaphthalene detected at 9 mg/kg, and napthalene detected at 8.6 mg/kg.

Toluene, xylenes, 2-methylnaphthalene, and naphthalene detections due to presence of gasoline hydrocarbons. All other VOCs and SVOCs were below detection limits.

VOCs = Volatile organic compounds. Includes chlorinated solvents. SVOCs = Semivolatile organic compounds.

TTLC = State of California total threshold limit concentration (Source: California Code of Regulations, Title 22)

Cadmium, chromium, nickel, and zinc by EPA Method 6010 VOCs by EPA Method 8240 SVOCs by EPA Method 8270

Analyses performed by American Environmental Network, Pleasant Hill, California.

TABLE 4 GROUND-WATER SAMPLING ANALYSIS RESULTS UST REMOVAL 625 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

(concentrations reported in milligrams per liter [mg/l])

Sample ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPHg	TPHd	ТРНо	Oil & Grease	Organic Lead	Total Lead
- GW1	21-0ct-93	14	10	2.5	14	120	<0.05	30	74	<0.1	0.2
- GW2	21-0ct-93	15	11	2.6	14	95	<0.05	15	66	<0.1	0.3

TPHg - Total petroleum hydrocarbons as gasoline by EPA Method 5030, GCFID

. TPHd - Total petroleum hydrocarbons as diesel by EPA Method 3510, GCFID

TPHo - Total petroleum hydrocarbons as oil by EPA Method 3510, GCFID

Oil and grease by Standard Method 5520 F

Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8020 Total lead by EPA Method 7420

Organic lead by DHS Method

Analyses performed by American Environmental Network, Pleasant Hill, California.



3015B001.SMH:EM 011494



ENGINEERS, HYDROGEOLOGISTS,

Project No. 3015

30158002.SMH:EM 011494

	i Libitzonas Lis Tannouro 1. Generator's U	IS EPA ID No. Man	ifest Document No.	2. Page 1	Information in the	shaded as
	WASTE MANIFEST	1			is not required by	
	3. Generator's Name and Mailing Address	<u>اهاولهاولهاها</u>	1 0 6	to to		Martin Martin
	DINESH MANIAR					
	400 Oyster Pt. Blvd. #415, So. 8	on Propeises At	GAOGO BROW	And and a second se		
	4. Generator's Phone (415) 266-8080	han Flancisco, CA.	94080			
	5. Transporter 1 Company Name	. 6. US EPA ID Number				
			Contractor Distant			Saite is rise for
	H & H Ship Service Company 7. Transporter 2 Company Name		1 6 8	and the second secon Second second second Second second		
	· · · · · · · · · · · · · · · · · · ·			r terretari de la construir de La construir de la construir de		
	C. Designated Coults, M			 (a) Apple Market (N) (1 - 1 - 1 Apple - 2 - 3 Apple - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	an a	i de la como de la como Esta de la como de la co
	9. Designated Facility Name and Site Address PRC PATTERSON, INC.	10. US EPA ID Number				
	13331 N. Highway 33			al algeria a la		
	Patterson, CA. 95363		7 9 6			
	11. US DOT Description (including Proper Shipping Name, Hazard		12. Containers	13. Total	14. Unit	
	a.		No. Type	Quantity	Wt/Vol	ايني مشمونيه در
	OIL AND WATER] [A ALEXANDER	الارد التاري . قابل مرتبري
G	HON-RCRA HAZARDOUS WASTE LIQUID		0 0 1 T T	040 az	G	
NP	etroleum Recycling Corporation certifi	es that the above n	entioped		New York	
μ	aste(s), more specifically identified by re	eference to the stable	magunat			
AS	et forth above. Was were recy	cled_in accorda				
Ith	e provisions of 40CFR261.6 and 23.4	4 pursuant to 40CF	B261 (Slo)			
R	c) nazardous waste generated from the second sec	ne recycling efforts	was also		stead a second sec	inter and and a second s
-Ire	cycled in accordance with the provis	ion of 40CFR266 S	bbatt b.			
		ECYCLING CORPO				i i i i i i i i i i i i i i i i i i i
		MARY /				
		en ogsågenen och som som en frånsken. Som				
	Service a contract of the service of		÷1.			
					Call and the second	- S. S S S S S S S
	13. Special Handling Instructions and Additional Information		5	and a start of the		- <u>1</u> . Ł
	15. Special Handling Instructions and Additional Information JOB #13480		AD GIRD. AT			
~	JOB #13480			NESH MANI		
~	JOB #13480 24 Hr. Emergency Contact: H & H	#(415) 543-4835	62	5 Hegenbe	rger Road	
	JOB #13480	#(415) 543-4835 ND RESPIRATOR	62 Oz	5 Hegenbe kland, Ca	rger Road lifornia	are classifi
	JOB #13480 24 Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A	#(415) 543~4835 ND RESPIRATOR Intents of the consignment are fully	62 Oz and accurately described	5 Hegenbe kland, Ca	rger Road Lifornia thipping name and	are classifi
	JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: thereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that t have a pr	#(415) 543~4835 ND RESPIRATOR ments of the consignment are fully r condition for transport by highway agram in place to reduce the volu	62 Da and accurately described according to applicable me and toxicity of was	5 Hegenbe kland, Ca d above by proper s d federal, state and te generated to the	rger Road <u>lifornia</u> shipping name and international laws.	ermined to
	JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: I hereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a pr economically practicable and that I have selected the practica	#(415) 543~4835 ND RESPIRATOR Intents of the consignment are fully r condition for transport by highway agram in place to reduce the volu ble method of treatment, storage,	62 Da and accurately described according to applicable me and toxicity of was or disposal currently av	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road <u>lifornia</u> shipping name and international laws. degree 1 have det minimizes the pres	ermined to ent and fu
	308 #13480 24 Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: thereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that there a pr economically practicable and that I have selected the practica threat to human health and the environment; CR, if I am a p waste management method that is available to me and that I c	#(415) 543~4835 ND RESPIRATOR ments of the consignment are fully r condition for transport by highway agram in place to reduce the volu ble method of treatment, storage, mall guantity generator, I have ma an afford.	62 Da and accurately described according to applicable me and toxicity of was or disposal currently av	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road <u>lifornia</u> shipping name and international laws. degree I have det minimizes the pres ste generation and	ermined to ent and fu
	JOB #13480 24 Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: thereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a pr economically practicable and that I have selected the practice threat to human health and the environment; OR, if I am a p waste management method that is available to me and that I of Printed/Typed Name	#(415) 543~4835 ND RESPIRATOR Intents of the consignment are fully r condition for transport by highway agram in place to reduce the volu ble method of treatment, storage, mall quantity generator, I have ma an afford. Signature	62 Da and accurately describer according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road <u>lifornia</u> shipping name and international laws. degree 1 have det minimizes the pres	ermined to ent and fu
	JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: thereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that t have a pr economically practicable and that I have selected the practica threat to human health and the environment; OR, if I am a so waste management method that is available to me and that I of Printed/Typed Name	#(415) 543~4835 ND RESPIRATOR ments of the consignment are fully r condition for transport by highway agram in place to reduce the volu ble method of treatment, storage, mall guantity generator, I have ma an afford.	62 Da and accurately describer according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road <u>lifornia</u> shipping name and international laws. degree I have det minimizes the pres ste generation and	ermined to ent and fu select the
T R A	JOB #13480 24 Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: I hereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a pr economically practicable and that I have selected the practica threat to human health and the environment; OR, if I am a se waste management method that is available to me and that I co Printed/Typed Name I Acknowledgement of Receipt of Materials	#(415) 543~4835 ND RESPIRATOR Intents of the consignment are fully r condition for transport by highway agram in place to reduce the volu ble method of treatment, storage, mall quantity generator, I have ma an afford. Signature	62 Da and accurately describer according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road <u>lifornia</u> shipping name and international laws. degree I have det minimizes the pres ste generation and	ermined to ent and fu select the
TRANSP	JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: thereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that t have a pr economically practicable and that I have selected the practica threat to human health and the environment; OR, if I am a so waste management method that is available to me and that I of Printed/Typed Name	#(415) 543-4835 ND RESPIRATOR Intents of the consignment are fully of r condition for transport by highway agram in place to reduce the volu ble method of treatment, storage, mall quantity generator, I have ma an afford. Signature Much	62 Da and accurately describer according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road lifornia shipping name and international laws. degree 1 have det minimizes the pres- ste generation and Month 1 0	termined to ent and fu select the Day
	JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: I hereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a pr economically practicable and that I have selected the practica threat to human health and the environment; OR, if I am a s waste management method that is available to me and that I c Printed/Typed Name I. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MARTIN J. COSTELLO 18. Transporter 2 Acknowledgement of Receipt of Materials	#(415) 543-4835 ND RESPIRATOR Intents of the consignment are fully or r condition for transport by highway agram in place to reduce the volu ble method of treatment, storage, mall quantity generator, I have ma can afford. Signature Signature	62 Da and accurately describer according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road lifornia shipping name and international laws. degree 1 have det minimizes the pres- ste generation and Month 1 0 2	Permined to ent and fu select the Day 2 2 Day 2 2
S P O R T E	JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: I hereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a pr economically practicable and that I have selected the practica threat to human health and the environment; OR, if I am a s waste management method that is available to me and that I of Printed/Typed Name IT. Transporter I Acknowledgement of Receipt of Materials Printed/Typed Name MARTIN J. COSTELLO	#(415) 543-4835 ND RESPIRATOR Intents of the consignment are fully of r condition for transport by highway agram in place to reduce the volu ble method of treatment, storage, mall quantity generator, I have ma an afford. Signature Much	62 Da and accurately describer according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road lifornia shipping name and international laws. degree 1 have det minimizes the pres- ste generation and Month 1 0	Permined to ent and fu select the Day Day
S P O R T	JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: I hereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a pr economically practicable and that I have selected the practica threat to human health and the environment; OR, if I am a s waste management method that is available to me and that I c Printed/Typed Name I. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MARTIN J. COSTELLO 18. Transporter 2 Acknowledgement of Receipt of Materials	#(415) 543-4835 ND RESPIRATOR Intents of the consignment are fully of r condition for transport by highway agram in place to reduce the volu- ble method of treatment, storage, mall quantity generator, 1 have ma- an afford. Signature Signature Signature Signature	62 Da and accurately describer according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road lifornia shipping name and international laws. degree 1 have det minimizes the pres- ste generation and Month 1 0 2	Permined to ent and fu select the Day 2 2 Day 2 2
S PORTER	 JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: I hereby declare that the copacked, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a presonomically practicable and that I have selected the practical threat to human health and the environment; OR, if I am a sewaste management method that is available to me and that I c Printed/Typed Name Printed/Typed Name MARTIN J. COSTELLO 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 	#(415) 543-4835 ND RESPIRATOR Intents of the consignment are fully of r condition for transport by highway agram in place to reduce the volu- ble method of treatment, storage, mall quantity generator, 1 have ma- an afford. Signature Signature Signature Signature	62 Da and accurately describer according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road lifornia shipping name and international laws. degree 1 have det minimizes the pres- ste generation and Month 1 0 2	Permined to ent and fu select the Day 2 2 Day 2 2
S P O R T E R	 JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: I hereby declare that the copacked, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a presonomically practicable and that I have selected the practical threat to human health and the environment; OR, if I am a sewaste management method that is available to me and that I c Printed/Typed Name Printed/Typed Name MARTIN J. COSTELLO 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 	#(415) 543-4835 ND RESPIRATOR Intents of the consignment are fully of r condition for transport by highway agram in place to reduce the volu- ble method of treatment, storage, mall quantity generator, 1 have ma- an afford. Signature Signature Signature Signature	62 Da and accurately describer according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca d above by proper a federal, state and te generated to the pilable to me which	rger Road lifornia shipping name and international laws. degree 1 have det minimizes the pres- ste generation and Month 1 0 2	Permined to ent and fu select the Day 2 2 Day 2 2
S PORTER	JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: I hereby declare that the co pocked, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a pr economically practicable and that I have selected the practica threat to human health and the environment; OR, if I am a pr waste management method that is available to me and that I and Printed/Typed Name MARTIN J. COSTELLO 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Discrepancy Indication Space	#(415) \$43-4835 ND RESPIRATOR Intents of the consignment are fully or condition for transport by highway agram in place to reduce the voluble method of treatment, storage, mell quantity generator, I have main afford. Signature Signature Signature Signature	62 Da and accurately described according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca i above by proper i a federal, state and the generated to the ailable to me which to minimize my war	rger Road lifornia shipping name and international laws. degree 1 have det minimizes the pres- ste generation and Month 1 0 2	Permined to ent and fu select the Day 2 2 Day 2 2
S PORTER	 JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: I hereby declare that the co packed, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a pr economically practicable and that I have selected the practica threat to human health and the environment; OR, if I am a s waste management method that is available to me and that I a printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MARTIN J. COSTELLO 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Discrepancy Indication Space 20. Facility Owner or Operator Certification of receipt of hazardow 	#(415) \$43-4835 ND RESPIRATOR Intents of the consignment are fully or condition for transport by highway agram in place to reduce the voluble method of treatment, storage, mall quantity generator, I have main afford. Signature Signature	62 Da and accurately described according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca i above by proper i a federal, state and the generated to the ailable to me which to minimize my war	rger Road Iifornia thipping name and international laws. degree 1 have det minimizes the pres ste generation and Month 1 0 2 Month 1 0 2	Termined to ent and fu select the Day 2 2 2 Day 0 ay
SPORTER FACIL	JOB #13480 24. Hr. Emergency Contact: H & H APPROPRIATE PROTECTIVE CLOTHING A 16. GENERATOR'S CERTIFICATION: I hereby declare that the co pocked, marked, and labeled, and are in all respects in proper if I am a large quantity generator, I certify that I have a pr economically practicable and that I have selected the practica threat to human health and the environment; OR, if I am a pr waste management method that is available to me and that I and Printed/Typed Name MARTIN J. COSTELLO 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Discrepancy Indication Space	#(415) \$43-4835 ND RESPIRATOR Intents of the consignment are fully or condition for transport by highway agram in place to reduce the voluble method of treatment, storage, mell quantity generator, I have main afford. Signature Signature Signature Signature	62 Da and accurately described according to applicable me and toxicity of was or disposal currently av de a good faith effort	5 Hegenbe kland, Ca i above by proper i a federal, state and the generated to the ailable to me which to minimize my war	rger Road lifornia shipping name and international laws. degree 1 have det minimizes the pres- ste generation and Month 1 0 2	Permined to ent and fu select the Day 2 2 Day 2 2

.

	i) typewriter.	<u></u>		Department of Toxic Subst Sacramenta, Calif
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. M C A C 0 0 0 6 9 8 6 1 6 1 6	Vanifest Document No.	2. Page 1	Information in the shaded is not required by Federal
3. Generator's Name and Mailing Address DINESH MANIAR				
	415 do Gan Broughters da			
4. Generator's Phone (415) 266-80	415, So. San Francisco, CA	1. 94080 6 Se		
5. Transporter 1 Company Name	6. US EPA ID Number		Magnetic Section 1	
H & H Ship Service Comp. 7. Transporter 2 Company Name	Any C A D 0 0 4 7 7 5	1 1 6 8	ngeroper (egi zin sent Sent enter all Versioner (egi zin sent)	
9. Designated Facility Name and Site Address	10. US EPA ID Number		an a	
PRC PATTERSON, INC.				
13331 N. Highway 33 Patterson, CA. 95363				
11. US DOT Description (including Proper Ship		12. Containers	13. Total	14. Unit
	ping Name, Hazard Class, and ID Number)	No. Туре	Quantity	W1/Vol
OIL AND WATER				
G NON-RCRA HAZARDOUS WAS	STE LIQUID		01200	G National Andrews
Recycling Corpor	ration certifies that the above	mentioned		
	entified by reference to the wa			
Aset forth above, Was y the provisions of 40CER261	were recycled in accord .6 and 23.4 pursuant to 400	EDOCT 1With		
R(P) hazardous waste genera	ated from the recycling effort	telwas also	-	
I recycled in accordance with	the provision of 40CFR266	Subbart		
	ROLEUM RECYCLING COB	1 1		ta contra con Per esta contra contr Per esta contra contr Per esta contra
15. Special Handling Instructions and Additiona	Information		an a	a data a harra
JOB #13480		JOB SITE: D	INESH MANI	AR
1 24 Hr. Emergency Contact	L: H & H #(415) 543-4835	6	25 Hegenbe	rger Road
APPDODUTANT DOOMBORTHE	DAPTHING AND DESDIDIMOD	C	akland, Ca	
APPROPRIATE PROTECTIVE (
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby	declare that the contents of the consignment are full	v and accurately describ	ed above by proper s ble federal, state and	hipping name and are classi international laws.
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a	declare that the contents of the consignment are full Il respects in proper condition for transport by highw	y and accurately describ ay according to applica	ble federal, state and	international laws,
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certil economically practicable and that 1 have so	v declare that the contents of the consignment are full Il respects in proper condition for transport by highw iy that I have a program in place to reduce the vo elected the practicable method of treatment, storage	y and accurately describ ay according to applicat plume and toxicity of w b, or disposal currently of	ble federal, state and aste generated to the available to me which	international laws, degree I have determined minimizes the present and i
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certil economically practicable and that 1 have so threat to human health and the environment waste management method that is available	v declare that the contents of the consignment are full ill respects in proper condition for transport by highw fy that I have a program in place to reduce the vo elected the practicable method of treatment, storage it; OR, if I am a small quantity generator, I have n to me and that I can afford.	y and accurately describ ay according to applicat plume and toxicity of w b, or disposal currently of	ble federal, state and aste generated to the available to me which	international laws, degree I have determined minimizes the present and t te generation and select the
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certil economically practicable and that 1 have so threat to human health and the environment waste management method that is available Printed/Typed Name	declare that the contents of the consignment are full ill respects in proper condition for transport by highw fy that I have a program in place to reduce the vo elected the practicable method of treatment, storage nt; OR, if I am a small quantity generator, I have n to me and that I can afford.	y and accurately describ ay according to applicat plume and toxicity of w b, or disposal currently of	ble federal, state and aste generated to the available to me which	international laws, degree I have determined minimizes the present and i
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certil economically practicable and that 1 have so threat to human health and the environment waste management method that is available Printed/Typed Name C1. J. MULCAULICOL 17. Transporter 1 Acknowledgement of Receipt	declare that the contents of the consignment are full ill respects in proper condition for transport by highw fy that I have a program in place to reduce the vo elected the practicable method of treatment, storage it; OR, if I am a small quantity generator, I have n to me and that I can afford. Signature COLOCIEST	y and accurately describ ay according to applicat plume and toxicity of w b, or disposal currently of	ble federal, state and aste generated to the available to me which	international laws, degree I have determined minimizes the present and t its generation and select the Month Day 1 0 2 0
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certifi economically practicable and that 1 have so threat to human health and the environment waste management method that is available Printed/Typed Name	A declare that the contents of the consignment are full ill respects in proper condition for transport by highwing ty that I have a program in place to reduce the vol- elected the practicable method of treatment, storage to one and that I can afford. Signature Signature	y and accurately describ ay according to applicat plume and toxicity of w b, or disposal currently of	ble federal, state and aste generated to the available to me which	international laws, degree I have determined minimizes the present and t te generation and select the Month Day
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a H I am a large quantity generator, 1 certil economically practicable and that I have so threat to human health and the environment waste management method that is available Printed/Typed Name CA AMILEACUI T. Transporter 1 Acknowledgement of Receipt Printed/BENTShare. PETRUCCI 18. Transporter 2 Acknowledgement of Receipt	r declare that the contents of the consignment are full ill respects in proper condition for transport by highw fy that I have a program in place to reduce the ve- elected the practicable method of treatment, storage it; OR, if I am a small quantity generator, I have n to me and that I can afford. Signature of Materials Of Materials	y and accurately describ ay according to applicat plume and toxicity of w b, or disposal currently of	ble federal, state and aste generated to the available to me which	international laws, degree I have determined minimizes the present and t the generation and select the Month Day 1 0 2 0 1 0 2 0
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certifi economically practicable and that 1 have so threat to human health and the environment waste management method that is available Printed/Typed Name CA. J. AVILCION COL T. Transporter 1 Acknowledgement of Receipt Printed/BENTHORE. PETRUCCI	r declare that the contents of the consignment are full ill respects in proper condition for transport by highw fy that I have a program in place to reduce the ve- elected the practicable method of treatment, storage it; OR, if I am a small quantity generator, I have n to me and that I can afford. Signature of Materials Signatore Signatore	y and accurately describ ay according to applicat plume and toxicity of w b, or disposal currently of	ble federal, state and aste generated to the available to me which	international laws, degree I have determined minimizes the present and t its generation and select the Month Day 1 0 2 0
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certil economically practicable and that 1 have so threat to human health and the environmen- waste management method that is available Printed/Typed Name CA. J. AUILCAUI COL 17. Transporter 1 Acknowledgement of Receipt Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt Printed/Typed Name	r declare that the contents of the consignment are full ill respects in proper condition for transport by highw fy that I have a program in place to reduce the ve- elected the practicable method of treatment, storage it; OR, if I am a small quantity generator, I have n to me and that I can afford. Signature of Materials Of Materials	y and accurately describ ay according to applicat plume and toxicity of w b, or disposal currently of	ble federal, state and aste generated to the available to me which	international laws, degree I have determined minimizes the present and f ite generation and select the Month Day 1 0 2 0 1 0 2 0
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certifi- economically practicable and that 1 have so thread to human health and the environmen- waste management method that is available Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt Printed/Typed Name 19. Discrepancy Indication Space	r declare that the contents of the consignment are full ill respects in proper condition for transport by highw fy that I have a program in place to reduce the ve- elected the practicable method of treatment, storage it; OR, if I am a small quantity generator, I have n to me and that I can afford. Signature of Materials Of Materials	y and accurately describ ay according to applicat plume and toxicity of w b, or disposal currently of	ble federal, state and aste generated to the available to me which	international laws, degree I have determined minimizes the present and f ite generation and select the Month Day 1 0 2 0 1 0 2 0
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certifi economically practicable and that 1 have so threat to human health and the environment waste management method that is available Printed/Typed Name C1. J. AULC/(U1)	r declare that the contents of the consignment are full ill respects in proper condition for transport by highw fy that I have a program in place to reduce the ve- elected the practicable method of treatment, storage it; OR, if I am a small quantity generator, I have n to me and that I can afford. Signature of Materials Of Materials	y and accurately describ ay according to applicat plume and toxicity of w b, or disposal currently of	ble federal, state and aste generated to the available to me which	international laws, degree I have determined minimizes the present and f ite generation and select the Month Day 1 0 2 0 1 0 2 0
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certifi- economically practicable and that 1 have so threat to human health and the environmen- waste management method that is available Printed/Typed Name C. J. AULECCII	receipt of hazardous materials covered by this manif	y and accurately describ ay according to applicat solume and toxicity of w o, or disposal currently o made a good faith effor agen V Patt	ble federal, state and aste generated to the available to me which t to minimize my was	international laws. degree I have determined minimizes the present and t te generation and select the Month Day 1 0 2 0 Month Day 1 0 2 0 Month Day
APPROPRIATE PROTECTIVE (16. GENERATOR'S CERTIFICATION: 1 hereby packed, marked, and labeled, and are in a If 1 am a large quantity generator, 1 certifi economically practicable and that 1 have so threat to human health and the environmen- waste management method that is available Printed/Typed Name C1. J AULECCUI COL 17. Transporter 1 Acknowledgement of Receipt Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt Printed/Typed Name 19. Discrepancy Indication Space	r declare that the contents of the consignment are full ill respects in proper condition for transport by highw fy that I have a program in place to reduce the value placted the practicable method of treatment, storage nt; OR, if I am a small quantify generator, I have no no me and that I can afford. Signature of Materials Signature Signature	y and accurately describ ay according to applicat solume and toxicity of w o, or disposal currently o made a good faith effor agen V Patt	ble federal, state and aste generated to the available to me which t to minimize my was	international laws, degree I have determined minimizes the present and f ite generation and select the Month Day 1 0 2 0 1 0 2 0

TSDF SENDS THIS CORY TO GENERATOR WITHIN 30 DAYS. (Generators who subinit hazardous waste for transport out-of-state, incoduce complexed early or thit carry and send to DTSC within 30 days.)

	UNIFORM HAZARDOUS 1. Generator's US EPA ID No.	Manifest Docu	ment No.	2. Page 1	Information in th	ento, Cali shaded
	WASTE MANIFEST C A C 0 0 6 9 8	6 1 6 0 0	ماماه	ofe	is not required b	y Federal
	3. Generator's Name and Mailing Address		V V	Na para panganan ang pangan Panganan panganan ang panganan	. Constant Constant and and a second s	anne 10 X Maria I.
	DINESH MANIAR					
	400 Oyster Pt. Blvd. #415, So. San Franci	aco, CA. 9408	0		a and a second second	
	4. Generator's Phone (415) 266-8080 5. Transporter 1 Company Name 6. US EPA ID N					
		umber	Section 1997	taning a signi di si Gunta di sina di sina di sana di sana di sina di sina di sina di sina di sina di sina di s		
	H & H SHIP SERVICE COMPANY C A D 0 0	4 7 7 1 1 6	8			
	7. Transporter 2 Company Name 8. US EPA ID N	umber				
	9. Designated Facility Name and Site Address 10. US EPA ID N H & H Ship Service Company	umber				
	220 China Basin Street					
	San Francisco, CA. 94107 C A D 0 0	4 7 7 1 1 6	8			
	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Nur		Containers	13. Total	14. Unit	
		No.	Туре	Quantity	Wt/Vol	
G	RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID		• - -			
Ē		0 0	1 T P	1 2 0 0 0	P	
N	b.					
R					Rose Weither and	
A	¢.				۲. (۱۹۹۰ - ۲۰۰۰)	
0					an a	
R						
	d.		—/			
					2. 2. 2. 2.	
					4 4 Part	
			n na sina si Na sina si			
1. A. A.						
A. A. Strandarda						
	15. Special Handling Instructions and Additional Information		n an		е 1	
	JOB #13485	JOB SI	TE: DI	NESH MANI	AR	
	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54	3-4835		NESH MANIJ 5 Hegenbej		
	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54 APPROPRIATE'PROTECTIVE CLOTHING AND RESPIR	3-4835 ATOR	62 Oa	5 Hegenber kland, Cal	rger Road lifornia	
	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54 APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the conside	3-4835 ATOR ment are fully and occura	6.2 Oa	5 Hegenber kland, Cal	rger Road lifornia	l are classi
	 JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54; APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consig packed, marked, and labeled, and are in all respects in proper condition for trans 	3-4835 ATOR ment are fully and accura part by highway according	6.2 Oa tely described to applicable	5 Hegenber kland, Cal above by proper s federal, state and	rger Road Lifornia hipping name and international laws.	
	 JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54; APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consig packed, marked, and labeled, and are in all respects in proper condition for trans If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of trans	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree i have de minimizes the ore	stermined
	 JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54; APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consig packed, marked, and labeled, and are in all respects in proper condition for trans If I am a large quantity generator, I certify that I have a program in place to 	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree i have de minimizes the ore	stermined
	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54 APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consig packed, marked, and labeled, and are in all respects in proper condition for trans If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waste management method that is available to me and that I can afford. Printed/Typed Name	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree i have de minimizes the ore	stermined
	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54 APPROPRIATE PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consig packed, marked, and labeled, and are in all respects in proper condition for trans If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waste management method that is available to me and that I can afford. Printed/Typed Name	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree I have de minimizes the pre- te generation and Month	stermined sent and t i select the
	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54 APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consig packed, marked, and labeled, and are in all respects in proper condition for trans If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waste management method that is available to me and that I can afford. Printed/Typed Name	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree I have de minimizes the pre- te generation and Month	stermined sent and t select the Day 2 1
TRANSP	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54 APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waste management method that is available to me and that I can afford. Printed/Typed Name Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Signature MANEETN J. COSTELLO Signature	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree I have de minimizes the pre- te generation and Month 1 0	stermined sent and t i select the Day
TEA23503	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54; APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned, marked, and labeled, and are in all respects in proper condition for trans If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waste management method that is available to me and that I can afford. Printed/Typed Name Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Signature MANGETN J. COSTELLO Signature	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree I have du minimizes the pre- te generation and Month 1 0	been been been been been been been been
TEA23503	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54 APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waste management method that is available to me and that I can afford. Printed/Typed Name Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Signature MANEETN J. COSTELLO Signature	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree I have de minimizes the pre- te generation and Month 1 0	stermined sent and t i select the Day 2 1 Day
TRANSPORTER	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54; APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned, marked, and labeled, and are in all respects in proper condition for trans If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waste management method that is available to me and that I can afford. Printed/Typed Name Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Signature MANGETN J. COSTELLO Signature	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree I have du minimizes the pre- te generation and Month 1 0	been been been been been been been been
TRANSPORTER	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54; APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans 16. If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waste management method that is available to me and that I can afford. Printed/Typed Name Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Signature MANETIN J. COSTELLO Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Signature Printed/Typed Name Signature	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree I have du minimizes the pre- te generation and Month 1 0	been been been been been been been been
TRANSPORTER	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54; APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans 16. If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waste management method that is available to me and that I can afford. Printed/Typed Name Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Signature MANETIN J. COSTELLO Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Signature Printed/Typed Name Signature	3-4835 ATOR ment are fully and accura part by highway according reduce the volume and to tment, storage, or disposal	62 Oa tely described to applicable xicity of wast	5 Hegenber kland, Cal above by proper s federal, state and e generated to the illable to me which	rger Road lifornia hipping name and international laws. degree I have du minimizes the pre- te generation and Month 1 0	been been been been been been been been
TRANSPORTUR FAUL	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54 APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned, marked, and labeled, and are in all respects in proper condition for trans 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned, marked, and labeled, and are in all respects in proper condition for trans 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned, marked, and labeled, and are in all respects in proper condition for trans 17. I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waske management method that is available to me and that I can afford. Printed/Typed Name Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Signature 19. Discrepancy Indication Space Signature	3-4835 ATOR menent are fully and accura port by highway according reduce the volume and to tment, storage, or disposal ator, I have made a good	62 Oa rtely described to applicable xicity of wast currently ave faith effort	5 Hegenber kland, Cal above by proper s federal, state and e generated to the ilable to me which o minimize my was	rger Road lifornia hipping name and international laws. degree I have du minimizes the pre- te generation and Month 1 0	been been been been been been been been
TRANSPORTUR FAULL	JOB #13485 24 Hr. Emergency Contact: H & H #(415) 54; APPROPRIATE 'PROTECTIVE CLOTHING AND RESPIR. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consigned packed, marked, and labeled, and are in all respects in proper condition for trans 16. If I am a large quantity generator, I certify that I have a program in place to economically practicable and that I have selected the practicable method of treat threat to human health and the environment; OR, if I am a small quantity gener waste management method that is available to me and that I can afford. Printed/Typed Name Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Signature MANETIN J. COSTELLO Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Signature Printed/Typed Name Signature	3-4835 ATOR menent are fully and accura port by highway according reduce the volume and to tment, storage, or disposal ator, I have made a good	62 Oa rtely described to applicable xicity of wast currently ave faith effort	5 Hegenber kland, Cal above by proper s federal, state and e generated to the ilable to me which o minimize my was	rger Road lifornia hipping name and international laws. degree I have du minimizes the pre- te generation and Month 1 0	been been been been been been been been

 ISDE SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
 (Generator's two or thir bozardous waste for transport out-of-state, product characteristic rows of this copy and wind to DTSC within 30 days.)

	SEPA ID No. A	Aanifest Documen	No	2. Page 1	Information in t is not required
WASTE MANIFEST C A C 0 0	0 6 9 8 6 1 6	0 0 0 0	0 2	of 1	
3. Generator's Name and Mailing Address DINESH MANIAR			A. Store		
400 Oyster Pt. Blvd. #415, So. Sa	an Francisco, CA	. 94080	B. States	Contraction of Distance	
4. Generator's Phone (415) 266-8080			enter de Statut	计标志	
5. Transporter 1 Company Name	6. US EPA ID Number				
H & H SHIP SERVICE COMPANY		1 15 16 10	7	and an	
7. Transporter 2 Company Name	8. US EPA ID Number				
1			e Gvine		2011 48144
9. Designated Facility Name and Site Address H & H Ship Service Company	10. US EPA ID Number			an a	
220 China Basin Street			5 - 1 - 1 - 1		
San Francisco, CA. 94107 C	. к р р р и р л .	1168			
11. US DOT Description (including Proper Shipping Name, Hazard (12. Cont		13. Total	14. Unit
RESIDUE GASOLINE TANK		<u>No.</u>	Туре	Quantity	Wt/Vol
NON-RCRA HAZARDOUS WASTE SOLID		0 0 1	TP	L 2 ,0 ,0 ,0	1
b.			<u>*</u>		P EX
c					
d.					
					in post in the second
			n sebayili n Şahlow S		
같은 사업에서 가장 전에 가장 가장 가장 있는 것이다. 가장 같은 것이 있는 것이다. 활동성은 이것 같은 것이다. 이것 이것 가장 가장 같은 것이 가장 않는 것이 가장 같은 것이다. 가장 것이다. 이것					
医卵虫 とうきょう あめ かいはん 気が パート・コート しんしょう しょうしょう			128 20 41		
	میں کی جاتا ہے۔ ایک بارڈی کا بار میں میں ایک اور کی	이 제 가지 가지 않는 것 같아?			
15. Special Handling Instructions and Additional Information				201202.1207.007.007.000	
JOB #13485		JOB SITE:	DI	ESH MANIA	R
JOB #13485 24 Hr. Emergency Contact: H & H #	14153 543-4835	JOB SITE:	625	i Hegenber	ger Road
JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AN	(415) 543-4835 D RESPIRATOR		629 Oa)	i Hegenber Land, Cal	ger Road ifornia
JOB #13485 24 Hr. Emergency Contact: H & H #	(415) 543-4835 D RESPIRATOR	v and occurately	629 Oal	Hegenber Land, Cal	ger Road ifornia
JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AN 16. GENERATOR'S CERTIFICATION: I hereby declare that the conth packed, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a proa	(415) 543-4835 D RESPIRATOR tents of the consignment are full condition for transport by highw	y and accurately ay according to c	62: Oal described opplicable	Hegenber Land, Cal above by proper sl federal, state and i	ger Road ifornia hipping name and international laws
JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AN 16. GENERATOR'S CERTIFICATION: I hereby declare that the comb packed, marked, and labeled, and are in all respects in proper a lf I am a large quantity generator, I certify that I have a prog economically practicable and that I have selected the practicable threat to human health and the environment, OR, if I am a sma	(415) 543-4835 D RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vo le method of treatment, storage all quantity generator. I have n	y and accurately ay according to a blume and toxicit	62: Oa) described pplicable y of waste	Begenber Land, Cal above by proper sl federal, state and i generated to the lable to me which	ger Road ifornia hipping name and nternational laws degree I have a minimizes the pr
JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AN 16. GENERATOR'S CERTIFICATION: I hereby declare that the conth packed, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a proa	(415) 543-4835 ID RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vo le method of treatment, storage all quantity generator, I have in n afford.	y and accurately ay according to a blume and toxicit	62: Oa) described pplicable y of waste	Begenber Land, Cal above by proper sl federal, state and i generated to the lable to me which	ger Road ifornia hipping name and international laws degree I have a minimizes the pri- te generation and
 JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AND 16. GENERATOR'S CERTIFICATION: I hereby declare that the contempacked, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a progeconomically practicable and that I have selected the practicable threat to human health and the environment; OR, if I am a sma waste management method that is available to me and that I car Printed/Typed Name 	(415) 543-4835 D RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vo le method of treatment, storage all quantity generator. I have n	y and accurately ay according to a blume and toxicit	62: Oa) described pplicable y of waste	Begenber Land, Cal above by proper sl federal, state and i generated to the lable to me which	ger Road ifornia hipping name and nternational laws degree I have a minimizes the pr
 JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AN 16. GENERATOR'S CERTIFICATION: I hereby declare that the conth packed, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a prog economically practicable and that I have selected the practicable thread to human health and the environment; OR, if I am a sma waste management method that is available to me and that I can Primted/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials 	(415) 543-4835 D RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vol- le method of treatment, storage all quantity generator, I have in n afford. Signature	y and accurately ay according to a blume and toxicit	62: Oa) described pplicable y of waste	Begenber Land, Cal above by proper sl federal, state and i generated to the lable to me which	ger Road ifornia hipping name and international laws degree I have a minimizes the pri- te generation and Month 1 0
 JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING ANIA 16. GENERATOR'S CERTIFICATION: I hereby declare that the comb packed, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a prog economically practicable and that I have selected the practicable threat to human health and the environment; OR, if I am a sma waste management method that is available to me and that I can Printed/Typed Name 	(415) 543-4835 D RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vo le method of treatment, storage all quantity generator, I have in n afford.	y and accurately ay according to a blume and toxicit	62: Oa) described pplicable y of waste	Begenber Land, Cal above by proper sl federal, state and i generated to the lable to me which	ger Road ifornia hipping name and international laws degree I have a minimizes the pro- te generation and Month
 JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AND 16. GENERATOR'S CERTIFICATION: I hereby declare that the compacked, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a progression on the product of the practicable and that I have selected the practicable threat to human health and the environment, OR, if I am a sma waste management method that is available to me and that I can Printed/Typed Name 17. Transporter I Acknowledgement of Receipt of Materials Printed/Second Second JIMALE H. REESE 18. Transporter 2 Acknowledgement of Receipt of Materials 	(415) 543-4835 ID RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vol- le method of treatment, storage all quantity generator, I have in n afford. Signature Signature	y and accurately ay according to a blume and toxicit	62: Oa) described pplicable y of waste	Begenber Land, Cal above by proper sl federal, state and i generated to the lable to me which	ger Road ifornia hipping name and international laws degree I have d minimizes the pri- te generation and Month 1 0
 JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AN 16. GENERATOR'S CERTIFICATION: I hereby declare that the cont packed, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a prog economically practicable and that I have selected the practicable thread to human health and the environment; OR, if I am a sma waste management method that is available to me and that I can Primed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials 	(415) 543-4835 D RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vo- le method of treatment, storage all quantity generator, I have in n afford. Signature Signature	y and accurately ay according to a blume and toxicit	62: Oa) described pplicable y of waste	Begenber Land, Cal above by proper sl federal, state and i generated to the lable to me which	ger Road ifornia hipping name and international laws degree I have a minimizes the pri- te generation and Month 1 0
 JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AND 16. GENERATOR'S CERTIFICATION: I hereby declare that the comb packed, marked, and labeled, and are in all respects in proper a off I am a large quantity generator, I certify that I have a prog economically practicable and that I have selected the practicable threat to human health and the environment, OR, if I am a sma waste management method that is available to me and that I can Printed/Typed Name 17. Transporter I Acknowledgement of Receipt of Materials Printed/Second JIMALE H. REESE 18. Transporter 2 Acknowledgement of Receipt of Materials 	(415) 543-4835 ID RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vol- le method of treatment, storage all quantity generator, I have in n afford. Signature Signature	y and accurately ay according to a blume and toxicit	62: Oa) described pplicable y of waste	Begenber Land, Cal above by proper sl federal, state and i generated to the lable to me which	ger Road ifornia hipping name and international laws degree I have d minimizes the pri- te generation and Month 1 0
 JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AN 16. GENERATOR'S CERTIFICATION: I hereby declare that the conth packed, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a progeconomically practicable and that I have selected the practicable threat to human health and the environment, OR, if I am a sma waste management method that is available to me and that I can Printed/Typed Name 17. Transporter I Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 	(415) 543-4835 D RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vol- le method of treatment, storage all quantity generator, I have in n afford. Signature Signature Signature	y and accurately ay according to a blume and toxicit	62: Oa) described pplicable y of waste	Begenber Land, Cal above by proper sl federal, state and i generated to the lable to me which	ger Road ifornia hipping name and international laws degree I have d minimizes the pri- te generation and Month 1 0
 JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AN 16. GENERATOR'S CERTIFICATION: I hereby declare that the conth packed, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a progeconomically practicable and that I have selected the practicable threat to human health and the environment, OR, if I am a sma waste management method that is available to me and that I can Printed/Typed Name 17. Transporter I Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 	(415) 543-4835 D RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vol- le method of treatment, storage all quantity generator, I have in n afford. Signature Signature Signature	y and accurately ay according to a blume and toxicit	62: Oa) described pplicable y of waste	Begenber Land, Cal above by proper sl federal, state and i generated to the lable to me which	ger Road ifornia hipping name and international laws degree I have d minimizes the pri- te generation and Month 1 0
 JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AN 16. GENERATOR'S CERTIFICATION: I hereby declare that the comb packed, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a prog economically practicable and that I have selected the practicable threat to human health and the environment, OR, if I am a sma waste management method that is available to me and that I can Printed/Typed Name 17. Transporter I Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Discrepancy Indication Space 20. Facility Owner or Operator Certification of receipt of hazardous 	(415) 543-4835 D RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vo- le method of treatment, storage all quantity generator, 1 have in n afford. Signature Signature	y and accurately ay according to a plume and toxicit , or disposal cur nade a good fait	62: Oal described pplicable of waste rently ava h effort to	Beneficial State and in Generated to the lable to me which minimize my wast	ger Road ifornia hipping name and international laws degree I have d minimizes the pri- te generation and Month 1 0
 JOB #13485 24 Hr. Emergency Contact: H & H # APPROPRIATE PROTECTIVE CLOTHING AN 16. GENERATOR'S CERTIFICATION: I hereby declare that the comb packed, marked, and labeled, and are in all respects in proper c If I am a large quantity generator, I certify that I have a prog economically practicable and that I have selected the practicable threat to human health and the environment; OR, if I am a sma waste management method that is available to me and that I can Printed/Typed Name 17. Transporter I Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Discrepancy Indication Space 	(415) 543-4835 D RESPIRATOR tents of the consignment are full condition for transport by highw gram in place to reduce the vo- le method of treatment, storage all quantity generator, 1 have in n afford. Signature Signature	y and accurately ay according to a plume and toxicit , or disposal cur nade a good fait	62: Oal described pplicable of waste rently ava h effort to	Beneficial State and in Generated to the lable to me which minimize my wast	ger Road ifornia hipping name and international laws degree I have d minimizes the pri- te generation and Month 1 0

UNIFORM HAZARDOUS	's US EPA ID No. Ma	nifest Docume	nt No.	2. Page 1	Information in the shad is not required by Fed
MAACTE ALABUTET	006986166	0 0 0	01	of 1	is not required by red.
3. Generator's Name and Mailing Address	- 			hanna an	
DINESH MANIAR 400 Oyster Pt. Blvd. #415, So.	Can Branciaca ()	04000			
	San Francisco, CA.	. 34000		a share	
4. Generator's Phone (415) 266-8080 5. Transporter 1 Campany Name	6. US EPA ID Number				
3. manaporter i Campany Name	0. US EFA ID NUMBER		1. 		
H & H SHIP SERVICE COMPANY	C A D 0 0 4 7 7 1	1 1 6 8	PP NERCE		
7. Transporter 2 Company Name	8. US EPA ID Number				
9. Designated Facility Name and Site Address H & H Ship Service Company	10. US EPA ID Number				
220 China Basin Street					
San Francisco, CA. 94107	C A D 0 0 4 7 7 1	1 1 6 8			
11. US DOT Description (including Proper Shipping Name, Haz		12. Co		13. Total	14. Unit
		No.	Туре	Quantity	.Wt/Vol
RESIDUE GASOLINE TANK	N				
NON-RCRA HAZARDOUS WASTE SOLI	n n		T P	¹ ² ⁰ ⁰ ⁰	P
ь.					
c.				└ · I I	
			ļ		61 Miles (1997) 61 Miles (1997) 62 Miles (1997) 62 Miles (1997)
d.			1		
			1		
		1994 1980 1997 A. 1997			
The second s					
and a second of the loss of the second s					an a
15. Special Handling Instructions and Additional Information JOB #13485		JOB SIT	E. C. S. S. S. Series († 1997) Alfred V. S. S. E. : DI	NESH MANI	LAR
15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H &	H ≢(415) 543-4835	JOB SIT		NESH MANI 15 Hegenbe	IAR erger Road
15. Special Handling Instructions and Additional Information JOB #13485	H #(415) 543-4835 AND RESPIRATOR	JOB SIT	62		erger Road
15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that th	e contents of the consignment are fully	JOB SIT	62 Oz	5 Hegenbe kland, Ca	erger Road alifornia shipping nome and are
15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING	e contents of the consignment are fully	JOB SIT	62 Oz	5 Hegenbe kland, Ca	erger Road alifornia shipping nome and are
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in pro- If 3 am a large quantity generator. I certify that I have a 	AND RESPIRATOR e contents of the consignment are fully oper condition for transport by highwa	ay according to a solution of the second s	62 Oz ily describe applicable city of was	25 Hegenbe ikland, Ca d above by proper e federal, state and te generated to th	erger Road alifornia r shipping name and are d international laws. ne degree I have determ
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in pro- lif 1 am a large quantity generator, I certify that I have economically practicable and that I have selected the pro- threat to human health and the environment; OR, if 1 am 	AND RESPIRATOR e contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have m	ay according to olume and toxi o, or disposal (62 Oz oly describer o applicable city of was currently av	25 Hegenber akland, Ca d above by proper e federal, state and te generated to the ailable to me which	ergar Road alifornia rshipping nome and ore d international laws. ne degree I have determ th minimizes the present
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in pro- lif 3 am a large quantity generator, I certify that I have a economically practicable and that I have selected the prac- 	AND RESPIRATOR e contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have m	ay according to olume and toxi o, or disposal (62 Oz oly describer o applicable city of was currently av	25 Hegenber akland, Ca d above by proper e federal, state and te generated to the ailable to me which	ergar Road alifornia rshipping nome and ore d international laws. ne degree I have determ th minimizes the present
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in pro- lif 1 am a large quantity generator, I certify that I have economically practicable and that I have selected the pro- threat to human health and the environment; OR, if 1 am waste management method that is available to me and the 	AND RESPIRATOR e contents of the consignment are fully oper condition for transport by highwar a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have n at I can afford.	ay according to olume and toxi o, or disposal (62 Oz oly describer o applicable city of was currently av	25 Hegenber akland, Ca d above by proper e federal, state and te generated to the ailable to me which	ergar Road alifornia rshipping nome and are d international laws. The degree I have determ ch minimizes the present aste generation and sele
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in print If 1 am a large quantity generator, I certify that I have economically practicable and that I have selected the pro- threat to human health and the environment; OR, if 1 am waste management method that is available to me and the Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials 	AND RESPIRATOR the contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have n at I can afford. Signature	ay according to olume and toxi o, or disposal (62 Oz oly describer o applicable city of was currently av	25 Hegenber akland, Ca d above by proper e federal, state and te generated to the ailable to me which	ergar Road alifornia rshipping nome and are d international laws. The degree I have determ the minimizes the present aste generation and sele Month Da 1 0 2
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that th packed, marked, and labeled, and are in all respects in pr If 3 am a large quantity generator, I certify that I have a economically practicable and that I have selected the pro- threat to human health and the environment; OR, if 4 am waste management method that is available to me and the Printed/Typed Name 	AND RESPIRATOR e contents of the consignment are fully oper condition for transport by highwar a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have n at I can afford.	ay according to olume and toxi o, or disposal (62 Oz oly describer o applicable city of was currently av	25 Hegenber akland, Ca d above by proper e federal, state and te generated to the ailable to me which	ergar Road alifornia rshipping nome and are d international laws. The degree I have determ ch minimizes the present aste generation and sele Month Da
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that th packed, marked, and labeled, and are in all respects in pr If 5 am a large quantity generator, I certify that I have a economically practicable and that I have selected the practicable and that I have selected the practicable and that I have selected the practicable and that is available to me and the Printed/Typed Name is 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/TypedANmet, PENALVER 	AND RESPIRATOR the contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have n at I can afford. Signature	ay according to olume and toxi o, or disposal (62 Oz o applicabl city of was currently av faith effort	25 Hegenber akland, Ca d above by proper e federal, state and te generated to the ailable to me which	ergar Road alifornia rshipping nome and are d international laws. The degree I have determ the minimizes the present aste generation and sele Month Da 1 0 2
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in print If 1 am a large quantity generator, I certify that I have economically practicable and that I have selected the pro- threat to human health and the environment; OR, if 1 am waste management method that is available to me and the Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials 	AND RESPIRATOR the contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have n at I can afford. Signature	ay according to olume and toxi o, or disposal (62 Oz o applicabl city of was currently av faith effort	25 Hegenber akland, Ca d above by proper e federal, state and te generated to the ailable to me which	ergar Road alifornia rshipping nome and are d international laws. The degree I have determ the minimizes the present aste generation and sele Month Da 1 0 2
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in pro- lif 5 am a large quantity generator, I certify that I have a economically practicable and that I have selected the pra- threat to human health and the environment; OR, if 4 am waste management method that is available to me and the Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt af Materials Printed/Typed Name 	AND RESPIRATOR e contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have n at I can afford. Signature Signature	ay according to olume and toxi o, or disposal (62 Oz o applicabl city of was currently av faith effort	25 Hegenber akland, Ca d above by proper e federal, state and te generated to the ailable to me which	erger Road alifornia rshipping nome and are d international laws. The degree I have determ the minimizes the present aste generation and sele Month Dr 1 0 2 1 1 0 2 1
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that th packed, marked, and labeled, and are in all respects in pr If 3 am a large quantity generator, I certify that I have a economically practicable and that I have selected the practice to human health and the environment; OR, if 4 am waste management method that is available to me and the Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Prined/TypedANmed, PENALVER 18. Transporter 2 Acknowledgement of Receipt of Materials 	AND RESPIRATOR e contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have n at I can afford. Signature Signature	ay according to olume and toxi o, or disposal (62 Oz o applicabl city of was currently av faith effort	25 Hegenber akland, Ca d above by proper e federal, state and te generated to the ailable to me which	erger Road alifornia rshipping nome and are d international laws. The degree I have determ the minimizes the present aste generation and sele Month Dr 1 0 2 1 1 0 2 1
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in pro- lif 5 am a large quantity generator, I certify that I have a economically practicable and that I have selected the pra- threat to human health and the environment; OR, if 4 am waste management method that is available to me and the Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt af Materials Printed/Typed Name 	AND RESPIRATOR e contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have n at I can afford. Signature Signature	ay according to olume and toxi o, or disposal (62 Oz o applicabl city of was currently av faith effort	25 Hegenber akland, Ca d above by proper e federal, state and te generated to the ailable to me which	erger Road alifornia rshipping nome and are d international laws. The degree I have determ the minimizes the present aste generation and sele Month Dr 1 0 2 1 1 0 2 1
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in print If 1 am a large quantity generator, I certify that I have a economically practicable and that I have selected the pra- threat to human health and the environment; OR, if 1 am waste management method that is available to me and the Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt af Materials Printed/Typed Name 19. Discrepancy Indication Space 	AND RESPIRATOR is contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have m at I can afford. Signature Signature Signature Signature	ay according to	62 Oz oly describe o applicabl city of was currently av faith effort	25 Hegenbe 1 k l and , Ca 1 above by proper 5 federal, state and te generated to the ailable to me which to minimize my w	erger Road alifornia rshipping nome and are d international laws. The degree I have determ the minimizes the present aste generation and sele Month Dr 1 0 2 1 1 0 2 1
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in pr If i am a large quantity generator, I certify that I have a economically practicable and that I have selected the pro- threat to human health and the environment; OR, if i am waste management method that is available to me and the Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt af Materials Printed/Typed Name 19. Discrepancy Indication Space 20. Facility Owner or Operator Certification of receipt of haze 	AND RESPIRATOR is contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have m at I can afford. Signature Signature Signature Signature Signature	ay according to	62 Oz oly describe o applicabl city of was currently av faith effort	25 Hegenbe 1 k l and , Ca 1 above by proper 5 federal, state and te generated to the ailable to me which to minimize my w	erger Road alifornia rshipping nome and ore d international laws. The degree I have determ the minimizes the present aste generation and sele Month Da 1 0 2 1 1 0 2 1 0 2 1
 15. Special Handling Instructions and Additional Information JOB #13485 24 Hr. Emergency Contact: H & APPROPRIATE PROTECTIVE CLOTHING 16. GENERATOR'S CERTIFICATION: I hereby declare that the packed, marked, and labeled, and are in all respects in print If 1 am a large quantity generator, I certify that I have a economically practicable and that I have selected the pra- threat to human health and the environment; OR, if 1 am waste management method that is available to me and the Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt af Materials Printed/Typed Name 19. Discrepancy Indication Space 	AND RESPIRATOR is contents of the consignment are fully oper condition for transport by highwa a program in place to reduce the vo cticable method of treatment, storage a small quantity generator, I have m at I can afford. Signature Signature Signature Signature	ay according to	62 Oz oly describe o applicabl city of was currently av faith effort	25 Hegenbe 1 k l and , Ca 1 above by proper 5 federal, state and te generated to the ailable to me which to minimize my w	erger Road alifornia rshipping nome and are d international laws. The degree I have determ the minimizes the present aste generation and sele Month Dr 1 0 2 1 1 0 2 1

<u>American Environmental Network</u>

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 94523-001

PAGE 1

LEVINE-FRICKE 1900 POWELL ST., 12TH FLOOR EMERYVILLE, CA 94608

ATTN: SUSAN HENRY

CLIENT PROJ. ID: 3015.05 C.O.C. SERIAL NO: 8905 PROJ. NAME: DIVERSIFIED INVEST REPORT DATE: 11/22/93 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 AEN JOB NO: 9310219

PROJECT SUMMARY:

On October 22, 1993, this laboratory received two (2) water samples.

Client requested samples be analyzed for inorganic and organic parameters. Sample identification, methodologies, results and dates analyzed are summarized on the following pages.

All laboratory quality control parameters were found to be within established limits. Batch QC data is included at the end of this report.

If you have any questions, please contact Client Services at (510) 930-9090.

Klein

General Manager

Results FAXed 11/04/93 Revision of report dated 11/15/93 to included oil results as requested by client.

> 3440 Vincent Road • Pleasant Hill, CA 94523 • (510) 930-9090 • FAX (510) 930-0256 Analytical Services for the Environment

PAGE 2

LEVINE-FRICKE

SAMPLE ID: EX-GW1 AEN LAB NO: 9310219-01 AEN WORK ORDER: 9310219 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Water	DOHS-LUFT	ND	0.1	mg/L	11/03/93
BTEX & Gasoline HCs(Water) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	14,000 * 10,000 * 2,500 * 14,000 * 120 *	* 0.5 * 0.5 * 2	ug/L ug/L ug/L ug/L mg/L	10/29/93 10/29/93 10/29/93 10/29/93 10/29/93
#Extraction for Diesel/Oil	EPA 3510	-		Extrn Date	10/25/93
TPH as Diesel	GC-FID	ND	2	mg/L	11/01/93
TPH as Oil	GC·FID	30 *	* 0.2	mg/L	11/02/93
#Water Extrn for TOG/TRPH	SM 5520B/CF	-		Extrn Date	11/01/93
Hydrocarbons	SM 5520F	74,	* 0.5	mg/L	1 1/01/93
Lead	EPA 7420	0.2	* 0.1	mg/L	10/27/93
#Digestion - water		-		Prep Date	10/26/93

ND = Not detected

* = Indicates value above reporting limit

PAGE 3

LEVINE-FRICKE

SAMPLE ID: EX-GW2 AEN LAB NO: 9310219-02 AEN WORK ORDER: 9310219 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Water	DOHS - LUFT	ND	0.1	mg/L	11/03/93
BTEX & Gasoline HCs(Water) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	15,000 * 11,000 * 2,600 * 14,000 * 95 *	0.5 0.5 2	ug/L ug/L ug/L ug/L mg/L	10/29/93 10/29/93 10/29/93 10/29/93 10/29/93
#Extraction for Diesel/Oil	EPA 3510	-		Extrn Date	10/25/93
TPH as Diesel	GC-FID	ND	2	mg/L	11/01/93
TPH as Oil	GC·FID	15 *	0.2	mg/L	11/02/93
#Water Extrn for TOG/TRPH	SM 5520B/CF	-		Extrn Date	11/01/93
Hydrocarbons	SM 5520F	66 *	0.5	mg/L	11/01/93
Lead	EPA 7420	0.3 *	0.1	mg/L	10/27/93
<pre>#Digestion - water</pre>		-		Prep Date	10/26/93

ND = Not detected
 * = Indicates value above reporting limit

PAGE 4

QUALITY CONTROL DATA

DATE EXTRACTED: 11/01/93 DATE ANALYZED: 11/01/93 CLIENT PROJ. ID: 3015.05 AEN JOB NO: 9310219 SAMPLE SPIKED: D.I. WATER INSTRUMENT: IR

IR DETERMINATION FOR OIL & GREASE/HYDROCARBONS METHOD SPIKE RECOVERY SUMMARY (WATER MATRIX)

ANALYTE	Spike Conc. (mg/L)	Sample Result (mg/L)	MS Result (mg/L)	MSD Result (mg/L)	Average Percent Recovery	RPD
Oil	6.35	ND	6.35	6.21	98.9	2.2

CURRENT QC LINITS (Revised 10/25/93)

<u>Analyte</u>	Percent Recovery	<u>RPD</u>
Oil	(83-107)	5

METHOD BLANK RESULT

Lab id.	Hydrocarbons (mg/L)
110193-METHOD BLAN	K ND
Reporting Limit: Method: SM5520F	0.5
	1/01/93 /01/9 3

MS = Method Spike

MSD = Method Spike Duplicate

RPD = Relative Percent Difference

ND = Not Detected

American Environmental Network

PAGE 5

QUALITY CONTROL DATA

DATE EXTRACTED: 10/22/93 DATE ANALYZED: 10/25/93 CLIENT PROJ. ID: 3015.05 AEN JOB NO: 9310219 SAMPLE SPIKED: D.I. WATER INSTRUMENT: C

METHOD SPIKE RECOVERY SUMMARY TPH EXTRACTABLE WATERS METHOD: EPA 3510 GCFID

ANALYTE	Spike Conc. (mg/L)	Sample Result (mg/L)	MS Result (mg/L)	MSD Result (mg/L)	Average Percent Recovery	RPD
Diesel	2.04	ND	1.66	1.87	87.0	6.2

CURRENT QC LIMITS (Revised 10/18/93)

<u>Analyte</u>	Percent Recovery	<u>RPD</u>
Diesel	(55-119)	8

METHOD BLANK RESULT

Lab Id.	Extractable Hydrocarbons as Diesel (mg/L)	Extractable Hydrocarbons as Oil (mg/L)	
102593-METHOD BL/	ANK ND	ND	
Reporting Limit: Method: 3510 GCI Instrument: C Date Extracted: Date Analyzed:	0,05 FID 10/25/93 11/02/93	0.2	

MS = Method Spike

MSD = Method Spike Duplicate

RPD = Relative Percent Difference

ND = Not Detected

American Environmental Network

PAGE 6

INSTRUMENT: F

CLIENT PROJ. ID:

3015.05

AEN JOB NO: 9310219 AEN LAB NO: 1029-BLANK DATE ANALYZED: 10/29/93

BTEX AND HYDROCARBONS (METHOD BLANK) METHOD: EPA 8020, 5030 GCFID (WATER MATRIX)

	CAS #	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2
PURGEABLE HYDRO	CARBONS AS:		
Gasoline		ND mg/L	0.05 mg/L

ND = Not Detected
PAGE 7

QUALITY CONTROL DATA

CLIENT PROJ. ID: 3015.05

AEN JOB NO: 9310219

INSTRUMENT: F

SURROGATE STANDARD RECOVERY SUMMARY METHOD: EPA 8020 (WATER MATRIX)

Date Analyzed	SAMPLE IDENT	IFICATION	SURROGATE RECOVERY (PERCENT)
	Client Id.	Lab Id.	Fluorobenzene
10/29/93 10/29/93 10/29/93	EX-GW1 EX-GW2	01 02 1029-BLANK	91.2 91.2 92.1

CURRENT QC LIMITS

ANALYTE

PERCENT RECOVERY

Fluorobenzene

(70-115)

PAGE 8

QUALITY CONTROL DATA

DATE ANALYZED:	10/27/93	AEN JOB NO:	9310219
SAMPLE SPIKED:	9310190-03		
CLIENT PROJ. ID:	3015.05	INSTRUMENT:	F

MATRIX SPIKE RECOVERY SUMMARY METHOD: EPA 8020, 5030 GCFID (WATER MATRIX)

ANALYTE	Spike Conc. (ug/L)	Sample Result (ug/L)	MS Result (ug/L)	MSD Result (ug/L)	Average Percent Recovery	RPD
Benzene	9.5	ND	8.6	9.4	94.7	8.8
Toluene	35.7	ND	33.4	36.2	97.5	8.0
Hydrocarbons as Gasoline	500	ND	445	498	94.3	11.2

CURRENT QC LIMITS (Revised 05/14/92)

<u>Analyte</u>	Percent Recovery	<u>RPD</u>
Benzene	(81.4-115.3)	10.2
Toluene	(85.3-112.4)	9.4
Gasoline	(72.0-119.4)	12.3

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

PAGE 9

QUALITY CONTROL DATA

MATRIX: WATER

AEN JOB NO: 9310219

CLIENT PROJ. ID: 3015.05

MATRIX SPIKE RECOVERY SUMMARY

									QC CONTRO	L LINITS
Compound	INST./ METHOD	SAMPLE SPIKED	SAMPLE RESULT	SPIKE ADDED	OBSERVED RI (mg/ NS		% REC.	RPD	X REC. Limit	RPD LIMIT
Organic Lead	V22/DHS	9310239-05	ND	1.0	0.962	0.948	96	1	75-125	20

MS = Matrix Spike MSD = Matrix Spike Duplicate

METHOD SPIKE RECOVERY SUMMARY

								QC CONTRO	L LIMITS
COMPEUND	INST./ METHOD	BL ank Result	TRUE VALUE	observed R (ng Ms		% REC.	RPD	X REC. LINIT	RPD Limit
Organic Lead	V22/DHS	ND	1.0	0.972	0.951	96	2	75-125	20
Total Lead	v22/7420	ND	4.0	3.81	3.76	95	1	75-125	20

MS = Method Spike

MSD = Method Spike Duplicate

RPD = Relative Percent Difference

ND = Not Detected

*** END OF REPORT ***

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

1° 1° 1° 2°														T		
Project No.	:		al land	.+	Field	Logi	book	No.:				Date: /	0 21 1	Serial No.:		
Project Nan	ne:	015.0	<u>)5</u>		Projec	t Lo	ocatio	n:	Qa.	k.C	<u>(† 1</u>)	ul_				
Sampler (Sig	nature)	: . !	et al Ad				· /	/ c/	<u> </u>	NAL	YSES	, <u>.</u>	3/ /	/ Samplers	:	
			MPLES		ر ا		7.	6.3	\mathbb{Z}^{\sim}		Ζ	13)	\\\\\.\			
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON- TAINERS	SAMPLE TYPE	/	43 ¹ 23			\mathbf{y}_{2}	S/		ROID RUST	REM	ARKS	
	$\nu = 1$	73	DIALE	5	4,0		×	X	, X	Ŷ	ХX				<u> </u>	
													<u> </u>	CAR SHALL	33 69	1
	1. 1. J.	13	02A.E	5	<u>H_U</u>		<u>×</u>	.Ύ	Y	Y	× ×					
														<u>.</u>	1	
(Y Y Y)	27/12	うか	·····	ÉN	7500									$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \frac{1}{$	<u></u>	
			<u></u>					 								
				<u> </u>						<u>.</u>				1		
				<u> </u>				 				╉──╂		107.	<u> </u>	
												<mark>┼</mark> ──┤			<u>.</u>	
	ļ						<u> </u>		<u> </u>			┨───┤╸	<u> </u>	<u> </u>		
					-			<u> </u>						sector i		
						+					·	+	<u></u>		· · · · · · · · · · · · · · · · · · ·	
				<u> </u>							<u> </u>	┨───┣		<i>()</i>		. <u> </u>
					· ·			<u> </u>	ļ			┨───┣-		· · · · · · · · · · · · · · · · · · ·	······································	· · · · · · · · · · · · · · · · · · ·
												<u> </u>		1		
	1			1								х. -				
RELINQUISHED		,	72722		DATE	45	TIME		RECEIV (Signa		1		11.		DATE ICA 202-20	TIME TIME
(Signature) RELINQUISHED	BY:		<u>fastine</u> 11 - 5	<u> </u>	DATE		TIME		RECEIV (Signa	ED BY;		19	14 K		DATE	TIMÉ
(Signature) RELINQUISHED	BY: 274	$\frac{1}{7}$	Carrow Contraction		DATE	79	TIME 7		RECEIV	ED BY:					DATE	TIME
(Signature METHOD OF SH)	(<u></u>	DATE		TIME		(Signa LAB CO				·			I
Sample Co	llector	:	LEVINE-FRI 1900 Powel Emeryville, (415) 652-	l Street, Ca 946	, 12th F	loor	•		Analy	/tical	l Lat	orator	γ: /-)£,	\mathcal{N}		
			(415) 052-	4000											FORM NO	86/COC/AR

Lab Copy (Green) File Copy (Yellow) Field Copy (Pink) Shipping Copy (White)

.4.

14 Carson

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 11134

PAGE 1

LEVINE-FRICKE 1900 POWELL ST., 12TH FLOOR EMERYVILLE, CA 94608

ATTN: SUSAN HENRY

CLIENT PROJ. ID: 3015.05 C.O.C. SERIAL NO: 8875,8876 PROJ. NAME: DIVERSIFIED TANK PULL REPORT DATE: 01/14/94

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93

ADDITIONAL ANALYSIS REQUESTED: 12/14/93

AEN JOB NO: 9312167



PROJECT SUMMARY:

On December 14. 1993, client requested additional analysis on four (4) soil samples received by this laboratory on October 22, 1993.

Client requested the samples be extracted by the California Waste Extraction Test and the extracts be analyzed for Lead. Sample identification, methodologies, results and dates analyzed are summarized on the following pages.

All laboratory quality control parameters were found to be within established limits. Batch QC data is included at the end of this report.

If you have any questions, please contact Client Services at (510) 930-9090.

LarryŒlein General Manager

Results FAXed 12/23/93

	RECEIVED
	JAN 18
L	EVINE-FRICKE

3440 Vincent Road • Pleasant Hill, CA 94523 • (510) 930-9090 • FAX (510) 930-0256 Analytical Services for the Environment

PAGE 2

LEVINE-FRICKE

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 CLIENT PROJ. ID: 3015.05 REPORT DATE: 01/14/94 AEN JOB NO: 9312167

Client Sample Id.	AEN Lab Id.	Lead (mg/L)
D&P3 D&P4 D&P5 EXEM2	01A 02A 03A 04A	5.0 4.7 3.6 1.3
Reporting Li	mit	0.1
EPA Method:	7420	
Instrument:	V22	
Date Analyze	ed: 12/22/93	}

PAGE 3

QUALITY CONTROL DATA

CLIENT PROJ. ID: 3015.05

AEN JOB NO: 9312167

METHOD BLANK RESULTS FOR WASTE EXTRACTION TEST

CODE	METAL	CONCENTRATION (mg/L)	STLC (mg/L)	REPORTING LIMIT (mg/L)	METHOD REFERENCE	INST.
Pb	Lead	ND	5.0	0.1	7420	V22

ND = Not Detected

INST. = Instrument Number

STLC = Soluble Threshold Limit Concentration

Date Analyzed: 12/22/93

				CHAI	N OF	cu	вто	DY		۸NA	LYS	ES I	REQ	UES	те	ORM 93/2/6	
R-4,5-	G		<u> </u>		,					<u>.</u>			··			4-310218	3-
Project No.	:	30	315	.05				_		No.:						-21-3 Serial No.: 887	5
Project Nam	ne:	Di	versit	red Tank Pull		Project Location: 625 Hegenberger											
Sampler (Sig	jnatu	ure)	: Au	san M. H	MAL	1				/	^	NAL.	YSES	, 		Samplers:	
<u> </u>		r		AMPLES		1 AN ANT A Sty Job Sty Des 250									020 PSusan Henry ; Shellie	Fletcher	
SAMPLE NO.	SAMPLE NO. DATE TIME LAB SAMPLE NO. CON TAINE							SAMPLE $1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 $								Samplers: Susan Henry; Shellie Susan Henry; Shellie REMARKS	
SPI	10	-2	-93	01A	<u> </u>	Soi	1	~	V	<u> </u>		\vee		-82-10 -82-10 X			
SP2				02A	/			v	\checkmark	$ \vee $	4		<u> </u>	°×		Note, For SPI, SP.	2,5P3,
SP3				03A	1			<u> </u>	\checkmark	\checkmark		\vee	V	<u>×</u>	X	L SP4, SP5, SP6 = Iq	sore the
SP4			_\	04A	_/			<u>v</u>	\checkmark	1	<u>v</u>		$\overline{\checkmark}$			analyses written on lo	
SPS				OSA	1			<u>~</u>	5			<u> </u>	\vee			Do those requested he	
SP6				064	1			2	1	V		<u> </u>	<u> </u>	 		For every sample	-leo:
DEDI				OTA	1			~	<u>ノ</u> ・	1			<i>√</i>			- TPHg-8015	
DEP2			_ _	08A	/			<u> イ</u>	<u></u>				1			TPHa- 8015	
D EP3				AND APC	1								BTEX - 8020	·			
DEPY				10A 021	1			ノ		5	<u> </u>					OileGrease - 5520F	
DEP5	. <u> </u>	\		11A 03A	1	 -		<u> </u>	, 	5	5		4	 		Total Lead - 7421	
DEP6		.	_[124	1	┝╾┝		2			_					Organic Lead - DHS -DEPT is peagravel with	
DZP7		<u>}_</u>	<u> </u>	13A	/					12	<u></u>			İ	_ ←		gasoline 1
					D					,	,	·				Normal Turn	
Note: SP=					Perc									for	 	FAX results to Sue	
			ensers	t Pipingen								Ø5A		<u> </u>	4	Questions? call Sue. He	
RELINQUISHED (Signature)	8Y:	his	.	Menny.	10		е 2~9.	30	IME ッピダン / I	[[]	RECEIV (Signa	ÉD BY: ture)	Nu	$\frac{1}{2}$	1	DATE AN 329	TIME CAT:/C
RELINQUISHED	BY:	1		110		1 DAT	F	11	1 MF		RECEIV	FD SV	· ^ _ /		\sqrt{t}	DATE	TIME 3 0950
(Signature) RELINQUISHED (Signature)	(Signature) RELINQUISHED EV: (Signature)								IME	1	RECELV	ED BY:	:/)	ia l	Ju	DATE	TIME
METHOD OF SIL		11:		· · · · · · · · · · · · · · · · · · ·		DAT	E	T	IME		KAB CO	MMENT	5: 12/	14/93	ad	d WET Pb to D&P3, 5, EXEM2 on standard	DARY,
Sample Co	llec	tor:		LEVINE-FRIC	KE	1								orato		5; EXEM2 on standard	R.P.
	1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500													A	EN		

Shipping Copy (White) Lab Copy (Green) File Copy (Yellow) Field Copy (Pink)

9312167 9310218

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 3015.05 Field Logbook No															Serial No.	8870	
Project Nan	ne: D	iversif	ied Tank	Pull	Projec	t Lo	catio	n: (525	He	.gev	ber	ger			0070	
Sampler (Sig		: 1	MPLES	inn	1		/				YSES	, ,	/		Samplers	:	
		S/	AMPLES	0	人		/3	1	7	1 all	1	10 \$	3,0 ⁵		/		
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON- TAINERS	SAMPLE	Ŕ	t z		4 % 9%				×		REN	MARKS	
EXENI	103	1-93	I4A	1	Soil	7	V	V	\vee					For	every sai	uple de	97
EXEMA			+5A 04A	1	<u> </u>	V	\checkmark	J	\vee	√	V		<u> </u>		g - 8015	·	
EXES 3			16A	1		\checkmark	1	<u> </u>	<u>√</u>	~	\vee			TPF	Ha - 8015		
EXSES4		·	(74	1		\checkmark	1	J	\searrow	\checkmark	\checkmark			BTE	<u>x- 8020</u>) 	
EXNENS			184	1		\vee	1	1	¥	<u>ノ</u>	J			0;120	mease - [520F	-
EXNWN6			19A	1		v	\checkmark	1	Y	$\overline{\mathcal{I}}$	\checkmark			Total	Lead -7	421	
EXWM 7			20A	1		\checkmark	V	V	K	\checkmark	\checkmark		L	Ona	nic-Lead	<u>-DHS</u>	
EXWN8			214	1		<u> </u>	1	\checkmark	M	\mathcal{I}	1			J		•	
EXWS9			22A	1		<u> </u>	<u> </u>	$\overline{\vee}$	M	\checkmark	\checkmark	<u> </u>					
EXSWS10		۱ ۱	23A	1		V	1	V	14	レ	\checkmark			FA)	X results	to Sue	Henry
														Ques	tions? Ca	I Sue He	enry '
																·	/
														Nori	<u>mal Tur</u>	n	
Note = Ex	= Excav	ation.	All samples t	hend	≈8′ь	<u>as iv</u>	tone	tive	soil.		1	<u> </u>					
			; N= North;			0		<u> </u>						Cance	l 17A 70	R3A for	5520F
			represent loc					ofai	trea	vatio	n.		1	/ Por	SUE HE	my	
			Milen	*	DATE	T	IME		RECEIVI (Signat	ED BY:		,7	.1	2L	-	DATE	TIME
RELINQUISHED	8Y:	A	M. Lewy	10-	22-9 DATE	3 4	<u>x7'/'</u> Ime		RECEIVE	D BY:	0 1		640		······	DATE	TIME
(Signature)	A.C	14			11.24		nor "		(Signat	ture)	Uxu	nh.	Usl.	lisne		10-22-9:	
RELINQUISHED (Signature)		•	U		DATE	 '	IME		RECEIVI (Signat		0		0	•		DATE	TIME
METHUD OF SHI					DATE	T	IME		LAB CO	MMENTS	5:					·	
Sample Col	lector:		LEVINE-FRIC	KE	<u> </u>	. <u> </u>			Analy	tical	Lab	orate	ory:				
	1900 Powell Street, 12th Floor										K C NI						
	Emeryville, Ca 94608 (415) 652-4500												- f	(E	\mathbb{N}		
Shipping Copy	(White)	l.ab	(415) 652-4 Copy (Green)		e Copy ('	Vellor	r) .	 Fiel	d Copy	/ (Pin	ik)		/	_1		FORM NO.	86/COC/ARF

Formerly Quanteg Laboratories

American Environmental Network Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 94523-001

PAGE 1

LEVINE-FRICKE 1900 POWELL ST., 12TH FLOOR EMERYVILLE, CA 94608

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93

REPORT DATE: 11/29/93

ADDITIONAL ANALYSIS REQUESTED: 11/04,22/93

AEN JOB NO: 9310218

ATTN: SUSAN HENRY

CLIENT PROJ. ID: 3015.05 C.O.C. SERIAL NO: 8875,8876 PROJ. NAME: DIVERSIFIED TANK PULL

PROJECT SUMMARY:

On October 22, 1993, this laboratory received twenty-three (23) soil samples.

Client requested samples be analyzed for inorganic and organic parameters. On November 4, 1993, client requested additional analysis on two (2) samples for inorganic and organic parameters. On November 12, 1993, client requested additional analysis on one (1) soil sample to be extracted by the California Waste Extraction Test and the extract be analyzed for Lead content. Sample identification, methodologies, results and dates analyzed are summarized on the following pages.

All laboratory quality control parameters were found to be within established limits. Batch QC data is included at the end of this report.

If you have any questions, please contact Client Services at (510) 930-9090.

General Manager

Results FAXed 11/02-28/93

3440 Vincent Road • Pleasant Hill, CA 94523 • (510) 930-9090 • FAN (510) 930-0256 Analytical Services for the Environment

LEVINE-FRICKE

SAMPLE ID: D&P6 AEN LAB NO: 9310218-12 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/29/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	ND ND ND ND ND	5 5 5 0.2	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/04/93 11/04/93 11/04/93 11/04/93 11/04/93
#CA Waste Extraction	CA Title 22	-		Extrn Date	11/22/93
Lead in WET Extract	EPA 7420	6.0	* 0.1	mg/L	11/24/93
#Extraction for Diesel/Oil	EPA 3550			Extrn Date	10/25/93
TPH as Diesel	GC-FID	. ND	6	mg/kg	10/27/93
TPH as Oil	GC-FID	190	* 5	mg/kg	10/27/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons	SM 5520F	390	* 10	mg/kg	10/28/93
#Digestion, soil				Prep Date	10/30/93
Lead	EPA 7420	130	* 5	mg/kg	10/30/93

ND = Not detected
 * = Indicates value above reporting limit

PAGE 53

QUALITY CONTROL DATA

MATRIX: STLC

AEN JOB NO: 9310218

CLIENT PROJ. ID: 3015.05

METHOD BLANK RESULTS FOR WASTE EXTRACTION TEST

CODE	METAL	CONCENTRATION (mg/L)	STLC (mg/L)	REPORTING LIMIT (mg/L)	METHOD Reference	INST.
Pb	Lead	ND	5.0	0.1	7420	V22

ND = Not Detected

INST. = Instrument Number

STLC = Soluble Threshold Limit Concentration

Date Extracted: 11/22/93

*** END OF REPORT ***

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

12-4,5-	Е		CHA		0031	00	. , ,	AINA	LIS	<u>_</u> 3		UES	1 64		C	1310218	
Project No.	: 3				Field	_						Date:	10-	-21-93	Serial No	.: 887	5
Project Nam	ne: D	ivers	ified Tank Pu	١	Proje	ct Lo	ocatio	n: 🧉	525	He	egen	berge	yr			007	0
Sampler (Sig	gnature)	: 1	usan M. 7	PMAL	0			/	A	NAL	YSES	5	/	\cdot	/ Samplei	°s:	
			SAMPLES	Ć			_ #	/ 37		1000	3	3	/\$	oxX2	Susan Henr	y ; Shellie	Fletcher
SAMPLE NO.	DATE	Tim	LAB SAMPLE	NO. OF CON - TAINERS	SAMPLE TYPE	Å	A A				e Ver		<u>I</u>	200	C C RI	EMARKS	
SPI	10-2	-93	01A		Soil	V				V	V	8240 8X				····, # ··· · · · · · · · · · · · · · ·	0-
SPL	1	1	02A	1		V	\checkmark		~	~	\vee	Ľ×_	X	N	ote, For	<u>SP1, SP3</u>	2, SP3,
SP3			03A	1			\sim	\checkmark	\checkmark	\checkmark	V	X	×		<u>24, 595, 5</u>		
SP4			044	1		V	\checkmark	1	V	\checkmark	\vee			_ av	alses write	ten on la	vels -
SPS			oSA	1		~	~	V	1	1				D.	those veg	rested he	re.
SP6			064	1		~	<u>ر</u>	\checkmark	V	V					every s		
DEPI			OTA	1		1	1	5		\checkmark	\checkmark			J TPI	19 - 8015		<u></u>
DEP2			08A	1		レ	1	\checkmark	~	\checkmark	$\overline{\mathcal{N}}$			TPF	<u>12 - 8015</u>		·····
DEP3			ORA	1			ノノ	~	2	V	\vee			BTEX	(- 8020	•	
DEPY			104	1		1		4	<u> </u>	\checkmark				OiltG	rease - 5°	520F	
DEP5				1		1	1	Ľ	~	V	1			Total	Lead - 7	421	
DEP6			124	1		~	1	<u> </u>	~	V				Onger	nic Lead	- DHS	
DZP7)	13A	1		~			~	V	V		<u> </u>	-DEP7	nic Lead is peagrave	I wet with	gasoline
														Norn	nal Tur	n	
Note: SP-	= Stock	Pile		Perc	lient	1/2	z - a	nal	gze	D+	26	for		FA)	(results	to Sve	Henry
			est Pipine		C Pb							1	17	Quest	ions? call	Sue He	ury .
RELINQUISHED			Meinis		DATE	07	TIME	ا زیرا	RECEIV (Signa	ED BY:	N	52	77	1.	L	DATE	TIME YCAT:/D
(Signature) RELINQUISHED	DV.		1111 17	/	DATE	<u>-75</u>	71ME	[∣	RECEIV	ED BY:	$: \land \land$		_17	· · · · · · · · · · · · · · · · · · ·		DATE	TIME
(Signature)	Ali	4	Hier		10-27	1-15	or:	5	(Signa	ture)	<u>U</u> ri	ia (Jul	Uspie		10-22-92	
RELINQUISHED (Signature) RELINQUISHED (Signature)	BX:″)		1.0		DATE		TIME		RECEIV (Signa	'ED BY: iture)	° D		0			DATE	TIME
METHOD OF SH					DATE		TIME		LAB CO	MMENTS	5:						
Sample Co	llector	:	LEVINE-FR	CKE	.1				Anal	ytical	l Lab	orate	ory:		, ,		
	-		1900 Powe	ll Street,		loor							٨		1		
			Emeryville,		38								A	\Box Γ	V		
			(415) 652-	4500	<u>.</u>												

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

9310218

-				Field	Logh	look	No.:				Date:	10 7	11 97	Serial No.:
	015-	05										•	21-73	8876
والمرادية والتراجي والمتحد					t Lo	catio	n: (per		
ature)	: Lu	an MA	in	2				<u> </u>	NAL	YSES		_/_		Samplers:
	<u>S/</u>	MPLES		×		<i></i> .	/#	/		. I all a los	10 37	/,\$/	/\$`L	
DATE	TIME	LAB SAMPLE NO.	CON -	SAMPLE TYPE	Ŕ	t SS	a fez			J. J. O. S.		\times	∻∕	REMARKS
102	1-93	14A	1	Soil	J		V		V				For e	every sample do=
		A	1	i	V		1		-				•	<u>q - 8015</u>
		16A	1		\checkmark		\checkmark						<u>TPF</u>	12-8015
	1	(7A	1.		\checkmark	1	<u> </u>	$\mathbb{N}/$	\checkmark	\checkmark			BTE	x-8020
		184	1		\vee	1)	Y	1	ノ			Oile	ineese - 5520 F
		194	1		V	\checkmark	\checkmark	Y	$\mathbf{\mathcal{I}}$				Total	Lead -7421
		20A	1		V		V	K		V			Oma	nic Lead DHS
		214	1		1	7		M	\checkmark	1			<u> </u>	
		22A	1		~	<u> </u>		M	\checkmark	レ				
	l	23A	1			1	レ	M	レ	\checkmark			FA)	K results to Sue Henry
													Ques	tions? Call Sue Henry
														/
													Norv	mal Turn
Excav	ation.	All samples t	to real	\$81	ns iv	to up	tive	soil.		ļ				
					19								Cance	l 17A 7 23A for 5520F
			1	1 -			opar	- THE	ratio	h .		1	1 Por	SUE HENry
·. /		14.11		DATE	T	IME		RECEIV	ED BY:		7	A,	2	DATE TIME
<u></u>	A	M New /	10-	DATE	T	IME		RECEIV	ED BY:	0 4	6	7	<u> </u>	DATE TIME
Ang	<u> </u>			10-22	15	29[1]					ra (YL	lispe	. <u>10-22-93 0950</u> DATE TIME
Y: /	-	U		DATE		IME				0	-	0	•	DATE
MENT:				DATE	T	IME		LAB CO	MMENTS	5:				
ector:		LEVINE-FRIC	KE			· · · ·	<u> </u>	Analy	/tical	Lab	orator	ry:		
					oor							X		N /
				08								Æ		\mathbf{V}
White)		the second s		e Conv í	Yellow	v)	 Fiel	d Conv	/ (Pin	k)		*		FORM NO. B6/COC/ARF
	Except Except	Excavation. Excav	DIVERSIFIER JAME	Diversified Tank Pull Ature): Lisan Marine SAMPLES DATE TIME LAB SAMPLE NO. OF CON- TAINERS 10-21-93 14A 1 15A 1 16A 1 17A 1 18A 1 19A 1 20A 1 20A 1 20A 1 20A 1 21A 1 22A 1 23A 1	$\begin{array}{c c} & & & & & & \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline$	$\begin{array}{c c} 3013.03 \\ \hline 0190000000000000000000000000000000000$	$\begin{array}{c c} 3013.03 \\ \hline \\ 10191.03 \\ \hline $	$\begin{array}{c c} SO(3.03) \\ \hline \text{Diversified Tank Pull} \\ \hline \text{Project Location:} \\ \hline Date TIME LAB SAMPLE NO. OF CON- SAMPLE TYPE TYPE TYPE TYPE TYPE TYPE TYPE TYP$: Divers ified Tank Pull Project Location: (25) sture): (30) M Herminian A SAMPLES DATE TIME LAB SAMPLE NO. OF TAINERS TYPE NO. OF TAINERS TYPE NO. OF CON- TAINERS TYPE TIME TIME TIME TIME TIME TIME TIME TIME TIME TIME TIME TIME TIME TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME TIME TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME TIME TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME RECEIV (Signa TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME TIME TIME RECEIV (Signa TIME TIME RECEIV (Signa TIME TIME TIME RECEIV (Signa TIME	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c} SO(3.05) \\ \hline \\ So(3.05) \\ \hline \\ \hline \\ So(3.05) \\ \hline \\ $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c} \begin{array}{c} \begin{array}{c} \text{Divers}\left[\text{Fed} \left[\text{Tayle Pu} \right] \right] \\ \hline \\ $

Formerly Quanteq Laboratories

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 94523-001

LEVINE-FRICKE 1900 POWELL ST., 12TH FLOOR EMERYVILLE, CA 94608 REPORT DATE: 11/22/93

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93

ADDITIONAL ANALYSIS REQUESTED: 11/04/93

AEN JOB NO: 9310218

ATTN: SUSAN HENRY

CLIENT PROJ. ID: 3015.05 C.O.C. SERIAL NO: 8875.8876 PROJ. NAME: DIVERSIFIED TANK PULL

PROJECT SUMMARY:

On October 22, 1993, this laboratory received twenty-three (23) soil samples.

Client requested samples be analyzed for inorganic and organic parameters. On November 4, 1993, client requested additional analysis on two (2) samples for inorganic and organic parameters. Sample identification, methodologies, results and dates analyzed are summarized on the following pages.

Report for STLC Lead will follow at a later date.

All laboratory quality control parameters were found to be within established limits. Batch QC data is included at the end of this report.

If you have any questions, please contact Client Services at (510) 930-9090.

∦lein

General Manager

Results FAXed 11/02-12/93

LEVINE-FRICKE

SAMPLE ID: SP1 AEN LAB NO: 9310218-01 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	1.6 *	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	ND 2,000 * 2.800 * 76.000 * 1,100 *	200 200	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/02/93 11/02/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/25/93
TPH as Diesel	GC-FID	140 *	· 1	mg/kg	10/26/93
TPH as Oil	GC-FID	900 *	• 5	mg/kg	10/26/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	e 10/27/93
Hydrocarbons SM 5520F	SM 5520F	1,400 *	* 10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	29	* 5	mg/kg	10/30/93

ND = Not detected

1

LEVINE-FRICKE

,

SAMPLE ID: SP2 AEN LAB NO: 9310218-02 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

ANALYTE	METHOD/ CAS#	RESULT	EPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	9.1 *	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	400 * 6,200 * 7,400 * 65,000 * 990 *	5 5 5 0.2	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/02/93 11/03/93 11/03/93 11/03/93 11/03/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Da	te 10/25/93
TPH as Diesel	GC-FID	ND	20	mg/kg	11/02/93
TPH as Oil	GC-FID	11,000 *	5	mg/kg	11/02/93
VOCs in Soil by EPA 8240 Acetone Benzene Bromodichloromethane Bromoform Bromomethane 2-Butanone Carbon Disulfide Carbon Tetrachloride Chlorobenzene Chloroethane 2-Chloroethyl Vinyl Ether Chloroform Chloromethane Dibromochloromethane 1.2-Dichloroethane 1.2-Dichloroethane 1.1-Dichloroethane 1.2-Dichloroethene cis-1.2-Dichloroethene trans-1.2-Dichloropropene trans-1.3-Dichloropropene Ethylbenzene 2-Hexanone Methylene Chloride 4-Methyl-2-pentanone	EPA 8240 67-64-1 71-43-2 75-27-4 75-25-2 74-83-9 78-93-3 75-15-0 56-23-5 108-90-7 75-00-3 110-75-8 67-66-3 74-87-3 124-48-1 75-34-3 107-06-2 75-35-4 156-59-2 156-60-5 78-87-5 10061-01-5 10061-02-6 100-41-4 591-78-6 75-09-2 108-10-1	ND ND ND ND ND ND ND ND ND ND ND ND ND N	$\begin{array}{c} 10000\\ 500\\ 500\\ 1000\\ 10000\\ 10000\\ 500\\ 5$	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	11/11/93 11/11/93

LEVINE-FRICKE

SAMPLE ID: SP2 AEN LAB NO: 9310218-02 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

ANALYTE	METHOD/ CAS#	R RESULT	EPORTING LIMIT	UNITS	DATE ANALYZED
Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene Vinyl Acetate Vinyl Chloride Xylenes, Total	100-42-5 79-34-5 127-18-4 108-88-3 71-55-6 79-00-5 79-01-6 108-05-4 75-01-4 1330-20-7	ND ND 550 * ND ND ND ND 38,000 *	500 500 500 500 500 500 500 1000 1000	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	5,700 *	10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	48 *	5	mg/kg	10/30/93
Cadmium	EPA 6010	0.2 *	0.1	mg/kg	11/10/93
Chromium	EPA 6010	32 *	1	mg/kg	11/10/93
Nickel	EPA 6010	33 *	1	mg/kg	11/10/93
Zinc	EPA 6010	75 *	1	mg/kg	11/10/93
#Extraction for BNAs	EPA 3550	· -		Extrn Date	e 11/04/93
EPA 8270 - Soil matrix Acenaphthene Acenaphthylene Anthracene Benzoic Acid Benzo(a)anthracene Benzo(b)fluoranthene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(g,h,i)perylene Benzo(a)pyrene Benzyl Alcohol Bis(2-chloroethoxy)methane Bis(2-choroethyl) Ether	EPA 8270 83-32-9 208-96-8 120-12-7 92-87-5 65-85-0 56-55-3 205-99-2 207-08-9 191-24-2 50-32-8 100-51-6 111-91-1 111-44-4	ND ND ND ND ND ND ND ND ND ND ND ND ND	$\begin{array}{c} 3300\\ 3300\\ 3300\\ 16000\\ 16000\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\end{array}$	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93

LEVINE-FRICKE

SAMPLE ID: SP2 AEN LAB NO: 9310218-02 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Bis(2-chloroisopropyl) Ether	108-60-1	ND	3300	ug/Kg	11/10/93
Bis(2-ethylhexyl) Phthalate	117-81-7	ND	3300	ug/Kg	11/10/93
4-Bromophenyl Phenyl Ether	101-55-3	ND	3300	uğ/Kğ	11/10/93
Butylbenzyl Phthalate	85-68-7	ND	3300	uğ/Kg	11/10/93
4-Chloroaniline	106-47-8	ND	6600	ug/Kg	11/10/93
2-Chloronapththalene	91-58-7	ND	3300	uğ/Kğ	11/10/93
4-Chlorophenyl Phenyl Ether	7005-72-3	ND	3300	uğ/Kğ	11/10/93
Chrysene	218-01-9	ND	3300	ug/Kg	11/10/93
Dibenzo(a,h)anthracene	53-70-3	ND	3300	ug/Kg	11/10/93
Dibenzofuran	132-64-9	ND	3300	ug/Kg	11/10/93
D-n-butyl Phthalate	84-74-2	ND	3300	ug/Kg	11/10/93
1,2-Dichlorobenzene	95-50-1	ND	3300	ug/Kg	11/10/93
1.3-Dichlorobenzene	541-73-1	ND	3300	ug/Kg	11/10/93
1.4-Dichlorobenzene	106-46-7	ND	3300	ug/Kg	11/10/93
3,3'-Dichlorobenzidine	91-94-1	ND	6600	ug/Kg	11/10/93
Diethyl Phthalate	84-66-2	ND	3300	ug/Kg	11/10/93
Dimethyl Phthalate	131-11-3	ND	3300	ug/Kg	11/10/93
2.4-Dinitrotoluene	121-14-2	ND	3300	ug/Kg	11/10/93
2.6-Dinitrotoluene	606-20-2	ND	3300	ug/Kg	11/10/93
D-n-octyl Phthalate	117-84-0	ND	3300	ug/Kg	11/10/93
1,2-Diphenylhydrazine	122-66-7	ND	3300	ug/Kg	11/10/93
Fluoranthene	206-44-0	ND	3300	ug/Kg	11/10/93
Fluorene	86-73-7	ND	3300	ug/Kg	11/10/93
Hexachlorobenzene	118-74-1	ND	3300	ug/Kg	11/10/93
Hexachlorobutadiene	87-68-3	ND	3300	ug/Kg	11/10/93
Hexachlorocyclopentadiene	77-47 - 4	ND	3300	ug/Kg	11/10/93
Hexachloroethane	67-72-1	ND	3300	ug/Kg	11/10/93
Indeno(1,2,3-cd)pyrene	193-39-5	ND	3300	ug/Kg	11/10/93
Isophorone	78-59-1	ND	3300	ug/Kg	11/10/93
2-Methylnaphthalene	91-57 - 6	10,000 *	3300	ug/Kg	11/10/93
Naphthalene	91-20-3	12,000 *		ug/Kg	11/10/93
2-Nitroaniline	88-74-4	ND	16000	ug/Kg	11/10/93
3-Nitroaniline	99-09-2	ND	16000	ug/Kg	11/10/93
4-Nitroaniline	100-01-6	ND	16000	ug/Kg	11/10/93
Nitrobenzene	98-95-3	ND	3300	ug/Kg	11/10/93
N-Nitrosodimethylamine	62-75-9	ND	3300	ug/Kg	11/10/93
N-Nitrosodiphenylamine	86-30-6	ND	3300	ug/Kg	11/10/93
N-Nitrosodi-n-propylamine	621-64-7	ND	3300	ug/Kg	11/10/93
Phenanthrene	85-01-8	· ND	3300	ug/Kg	11/10/9
Pyrene	129-00-0	ND	3300	ug/Kg	11/10/93
1,2,4-Trichlorobenzene	120-82-1	ND	3300	ug/Kg	11/10/93
4-Chloro-3-methylphenol	59-50-7	ND	3300	ug/Kg	11/10/93
2-Chlorophenol	95-57-8	ND	3300	ug/Kg	11/10/93

LEVINE-FRICKE

SAMPLE ID: SP2 AEN LAB NO: 9310218-02 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
2.4-Dichlorophenol 2.4-Dimethylphenol 4.6-Dinitro-2-methylphenol 2.4-Dinitrophenol 2-Methylphenol 4-Methylphenol 2-Nitrophenol 4-Nitrophenol Pentachlorophenol Phenol 2.4.5-Trichlorophenol 2.4.6-Trichlorophenol	120-83-2 $105-67-9$ $534-52-1$ $51-28-5$ $95-48-7$ $106-44-5$ $88-75-5$ $100-02-7$ $87-86-5$ $108-95-2$ $95-95-4$ $88-06-2$	ND ND ND ND ND ND ND ND ND ND ND	$\begin{array}{r} 3300\\ 3300\\ 16000\\ 16000\\ 3300\\ 3300\\ 3300\\ 16000\\ 16000\\ 16000\\ 3300\\ 3300\\ 3300\\ 3300\\ 3300\end{array}$	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93

Elevated reporting limits for 8240 due to gasoline hydrocarbons. Sample results come from an extract made within holding times.

ND = Not detected

LEVINE-FRICKE

SAMPLE ID: SP3 AEN LAB NO: 9310218-03 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

.

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	4.5 *	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	410 * 4.300 * 4,200 * 120,000 * 1,400 *	5 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/02/93 11/02/93 11/02/93 11/02/93 11/02/93
<pre>#Extraction for Diesel/Oil</pre>	EPA 3550	-		Extrn Da	te 10/25/93
TPH as Diesel	GC-FID	ND	20	mg/kg	11/02/93
TPH as Oil	GC·FID	2,900 *	r 5	mg/kg	11/02/93
VOCs in Soil by EPA 8240 Acetone Benzene Bromodichloromethane Bromoform Bromomethane 2-Butanone Carbon Disulfide Carbon Tetrachloride Chlorobenzene Chloroethane 2-Chloroethyl Vinyl Ether Chloroform Chloromethane Dibromochloromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloropropene trans-1,3-Dichloropropene Ethylbenzene 2-Hexanone Methylene Chloride 4-Methyl-2-pentanone	EPA 8240 67-64-1 71-43-2 75-27-4 75-25-2 74-83-9 78-93-3 75-15-0 56-23-5 108-90-7 75-00-3 110-75-8 67-66-3 74-87-3 124-48-1 75-34-3 107-06-2 75-35-4 156-59-2 156-60-5 78-87-5 10061-01-5 10061-02-6 100-41-4 591-78-6 75-09-2 108-10-1	ND ND ND ND ND ND ND ND ND ND ND ND ND N	$\begin{array}{c} 10000\\ 500\\ 500\\ 1000\\ 10000\\ 10000\\ 1000\\ 500\\ 5$	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	11/11/93 11/11/93

LEVINE-FRICKE

SAMPLE ID: SP3 AEN LAB NO: 9310218-03 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Styrene 1.1.2.2-Tetrachloroethane Tetrachloroethene Toluene 1.1.1-Trichloroethane 1.1.2-Trichloroethane Trichloroethene Vinyl Acetate Vinyl Chloride Xylenes, Total	100-42-5 79-34-5 127-18-4 108-88-3 71-55-6 79-00-5 79-01-6 108-05-4 75-01-4 1330-20-7	ND ND ND ND ND ND ND 41.000 *	500 500 500 500 500 500 500 1000 1000	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93 11/11/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	1 0/27/93
Hydrocarbons SM 5520F	SM 5520F	2,700 *	10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	49 *	5	mg/kg	10/30/93
Cadmium	EPA 6010	0.2 *	. 0.1	mg/kg	11/10/93
Chromium	EPA 6010	31 *	r 1	mg/kg	11/10/93
Nickel	EPA 6010	32 *	- 1	mg/kg	11/10/93
Zinc	EPA 6010	160 *	r 1	mg/kg	11/10/93
#Extraction for BNAs	EPA 3550	-		Extrn Date	11/04/93
EPA 8270 - Soil matrix Acenaphthene Acenaphthylene Anthracene Benzoic Acid Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Benzyl Alcohol Bis(2-chloroethoxy)methane Bis(2-choroethyl) Ether	EPA 8270 83-32-9 208-96-8 120-12-7 92-87-5 65-85-0 56-55-3 205-99-2 207-08-9 191-24-2 50-32-8 100-51-6 111-91-1 111-44-4	ND ND ND ND ND ND ND ND ND ND ND	1700 1700 8000 8000 1700 1700 1700 1700	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93

LEVINE-FRICKE

SAMPLE ID: SP3 AEN LAB NO: 9310218-03 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Bis(2-chloroisopropyl) Ether	108-60-1	ND	1700	ug/Kg	11/10/93
Bis(2-ethylhexyl) Phthalate	117-81-7	ND	1700	ug/Kg	11/10/93
4-Bromophenyl Phenyl Ether	101-55-3	ND	1700	ug/Kg	11/10/93
Butylbenzyl Phthalate	85-68-7	ND	1700	ug/Kg	11/10/93
4-Chloroaniline	106-47-8	ND	3300	ug/Kg	11/10/93
2-Chloronapththalene	91-58-7	ND -	1700	ug/Kg	11/10/93
4-Chlorophenyl Phenyl Ether	7005-72-3	ND	1700	ug/Kg	11/10/93
Chrysene	218-01-9	ND	1700	ug/Kg	11/10/93
Dibenzo(a,h)anthracene	53-70-3	ND	1700	ug/Kg	11/10/93
Dibenzofuran	132-64-9	ND	1700	ug/Kg	11/10/93
	84-74-2	ND	1700	ug/Kg	11/10/93
D-n-butyl Phthalate	95-50-1	ND	1700	ug/Kg	11/10/93
1,2-Dichlorobenzene	541-73-1	ND	1700	ug/Kg	11/10/93
1,3-Dichlorobenzene	106-46-7	ND	1700	ug/Kg	11/10/93
1,4-Dichlorobenzene	91-94-1	ND	3300	ug/Kg	11/10/93
3,3'-Dichlorobenzidine	84-66-2	ND	1700	ug/Kg	11/10/93
Diethyl Phthalate	131-11-3	ND	1700	ug/Kg	11/10/93
Dimethyl Phthalate		ND	1700	ug/Kg	11/10/93
2.4-Dinitrotoluene	121-14-2	ND	1700	ug/Kg	11/10/93
2,6-Dinitrotoluene	606-20-2	ND	1700	ug/Kg	11/10/93
D-n-octyl Phthalate	117-84-0	ND	1700	ug/Kg ug/Kg	11/10/93
1,2-Diphenylhydrazine	122-66-7	ND	1700	ug/Kg	11/10/93
Fluoranthene	206-44-0		1700	ug/Kg	11/10/93
Fluorene	86-73-7	ND	1700	ug/Kg	11/10/93
Hexachlorobenzene	118-74-1	ND	1700	ug/Kg	11/10/93
Hexachlorobutadiene	87-68-3	ND		ug/Kg	11/10/93
Hexachlorocyclopentadiene	77-47-4	ND	1700	ug/Kg	11/10/93
Hexachloroethane	67-72-1	ND	1700	ug/Kg	11/10/93
Indeno(1,2,3-cd)pyrene	193-39-5	ND	1700	ug/Kg	11/10/93
Isophorone	78-59-1	ND	1700	ug/Kg	11/10/93
2-Methy]naphtha]ene	91-57-6	9,000	* 1700	ug/Kg	11/10/93
Naphthalene	91-20-3	0,000	* 1700	ug/Kg	11/10/93
2-Nitroaniline	88-74-4	ND	8000	ug/Kg	
3-Nitroaniline	99-09-2	ND	8000	ug/Kg	11/10/93 11/10/93
4-Nitroaniline	100-01-6	ND	8000	ug/Kg	11/10/93
Nitrobenzene	98-95-3	ND	1700	ug/Kg	11/10/93
N-Nitrosodimethylamine	62-75-9	ND	1700	ug/Kg	11/10/93
N-Nitrosodiphenylamine	86-30-6	ND	1700	ug/Kg	11/10/93
N-Nitrosodi-n-propylamine	621-64-7	ND	1700	ug/Kg	11/10/93
Phenanthrene	85-01-8	ND	1700	ug/Kg	
Pyrene	129-00-0	ND	1700	ug/Kg	11/10/93
1,2,4-Trichlorobenzene	120-82-1	ND	1700	ug/Kg	11/10/93
4-Chloro-3-methylphenol	59-50-7	ND	1700	ug/Kg	11/10/93
2-Chlorophenol	95-57 - 8	ND	1700	ug/Kg	11/10/93

LEVINE-FRICKE

SAMPLE ID: SP3 AEN LAB NO: 9310218-03 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
2.4-Dichlorophenol 2.4-Dimethylphenol 4.6-Dinitro-2-methylphenol 2.4-Dinitrophenol 2-Methylphenol 4-Methylphenol 2-Nitrophenol 4-Nitrophenol Pentachlorophenol Phenol 2.4.5-Trichlorophenol 2.4.6-Trichlorophenol	120-83-2 105-67-9 534-52-1 51-28-5 95-48-7 106-44-5 88-75-5 100-02-7 87-86-5 108-95-2 95-95-4 88-06-2	ND ND ND ND ND ND ND ND ND ND	1700 1700 8000 1700 1700 1700 8000 8000	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93 11/10/93

Results for 8240 analysis come from an extract made within holding times.

ND = Not detected

LEVINE-FRICKE

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

SAMPLE ID: SP4 AEN LAB NO: 9310218-04 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	2.1 *	• 0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	440 4 4,400 4 1,600 4 92,000 4 1,000 4	* 5 * 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/25/93
TPH as Diesel	GC-FID	40 3	* 1	mg/kg	10/26/93
TPH as Oil	GC-FID	1,300	* 5	mg/kg	10/26/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	1,700 ;	* 10	m g /kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	30	* 5	mg∕kg .	10/30/93

ND = Not detected

LEVINE-FRICKE

SAMPLE ID: SP5 AEN LAB NO: 9310218-05 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	0.7	* 0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	450 11.000 12,000 180,000 1.900	* 5 * 5 * 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
<pre>#Extraction for Diesel/Oil</pre>	EPA 3550	-		Extrn Date	10/25/93
TPH as Diesel	GC-FID	34	* 1	mg/kg	10/26/93
TPH as Oil	GC-FID	510	* 5	mg/kg	10/26/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	1,200	* 10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	27	* 5	mg/kg	10/30/93

ND = Not detected

LEVINE-FRICKE

SAMPLE ID: SP6 AEN LAB NO: 9310218-06 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

.

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	2.2 *	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	ND 3,000 * 1,500 * 49,000 * 780 *	7 200 7 200	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/25/93
TPH as Diesel	GC-FID	17 *	· 1	mg/kg	10/26/93
TPH as Oil	GC-FID	380 *	5	mg/kg	10/26/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	730 *	* 10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	13 *	* 5	mg/kg	10/30/93

ND = Not detected

PAGE 14

LEVINE-FRICKE

SAMPLE ID: D&P1 AEN LAB NO: 9310218-07 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	1.3	* 0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	3,400 5,800 12,000 61,000 940	* 5 * 5 * 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
<pre>#Extraction for Diesel/Oil</pre>	EPA 3550	-		Extrn Date	10/25/93
TPH as Diesel	GC-FID	30	* 1	mg/kg	10/26/93
TPH as Oil	GC·FID	80	* 5	mg/kg	10/26/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	610	* 10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	21	* 5	mg/kg	10/30/93

ND = Not detected

LEVINE-FRICKE

SAMPLE ID: D&P2 AEN LAB NO: 9310218-08 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

REPORTING DATE METHOD/ UNITS ANALYZED RESULT LIMIT CAS# ANALYTE 11/02/93 0.5 mg/kg DOHS-LUFT ND Organo Lead in Soil BTEX & Gasoline HCs (Soil) EPA 8020 5 11/03/93 68 * uq/Kq 71-43-2 Benzene 5 5 5 ug/Kg 11/03/93 550 * 108-88-3 Toluene ug/Kg 11/03/93 1,100 * Ethylbenzene 100-41-4 930 * 11/03/93 ug/Kg 1330-20-7 Xylenes. Total 11/03/93 160 * 0.2 mg/Kg 5030/GCFID Purgeable HCs as Gasoline Fxtrn Date 10/25/93 EPA 3550 #Extraction for Diesel/0il _ 10/26/93 10 mg/kg GC-FID ND TPH as Diesel 10/26/93 170 * 5 mg/kg GC-FID TPH as Oil Extrn Date 10/27/93 #Soil Extrn for TOG/HCs SM 5520EF 10/28/93 350 * 10 mg/kg SM 5520F Hydrocarbons SM 5520F 10/30/93 Prep Date #Digestion, soil 10/30/93 5 mg/kg EPA 7420 37 * Lead

ND = Not detected

* = Indicates value above reporting limit

LEVINE-FRIG

LEVINE-FRICKE

SAMPLE ID: D&P3 AEN LAB NO: 9310218-09 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	930 * 220 * 4,100 * 1,900 * 74 *	5 5 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/25/93
TPH as Diesel	GC-FID	ND	4	mg/kg	10/26/93
TPH as Oil	GC-FID	120 *	* 5	mg/kg	10/26/93
#Soil Extrn for TOG/HCs	SM 5520EF			Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	250 *	* 10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	120 *	* 5	m g /kg	10/30/93

ND = Not detected

LEVINE-FRICKE

SAMPLE ID: D&P4 AEN LAB NO: 9310218-10 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	640 * 110 * 510 * 1,300 * 14 *	* 5 * 5 * 5	ug/Kg ug/Kg ug/Kg mg/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/25/93
TPH as Diesel	GC-FID	ND	20	mg/kg	11/02/93
TPH as Oil	GC-FID	220 *	* 5	mg/kg	11/02/93
#Soil Extrn for TOG/HCs	SM 5520EF	_ '		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	190 *	* 10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	66 *	* 5	mg/kg	10/30/93

ND = Not detected

LEVINE-FRICKE

SAMPLE ID: D&P5 AEN LAB NO: 9310218-11 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	1,200 * 2,700 * 12,000 * 35,000 * 1,600 *	5 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
<pre>#Extraction for Diesel/Oil</pre>	EPA 3550	-		Extrn Date	10/25/93
TPH as Diesel	GC·FID	ND	30	mg/kg	10/27/93
TPH as Oil	GC-FID	210 *	5	mg/kg	10/27/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	930 *	10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	86 *	5	mg/kg	10/30/93

ND = Not detected

LEVINE-FRICKE

SAMPLE ID: D&P6 AEN LAB NO: 9310218-12 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	ND ND ND ND	5 5 5 0.2	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/04/93 11/04/93 11/04/93 11/04/93 11/04/93
#CA Waste Extraction	CA Title 22			Extrn Date	
Lead in WET Extract	EPA 7420		0.1	mg/L	
#Extraction for Diesel/Oil	EPA 3550	_		Extrn Date	10/25/93
TPH as Diesel	GC-FID	ND	6	mg/kg	10/27/93
TPH as Oil	GC-FID	190	* 5	mg/kg	10/27/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	390	* 10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	130	* 5	mg/kg	10/30/93

ND = Not detected
 * = Indicates value above reporting limit

LEVINE-FRICKE

SAMPLE ID: D&P7 AEN LAB NO: 9310218-13 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	ND 250 * ND 10,000 * 450 *	200 * 200	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
<pre>#Extraction for Diesel/0il</pre>	EPA 3550			Extrn Date	10/25/93
TPH as Diesel	GC-FID	7 *	* 1	mg/kg	10/27/93
TPH as Oil	GC-FID	8 *	* 5	mg/kg	10/27/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	140 '	* 10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	12 י	* 5	mg/kg	10/30/93

ND = Not detected

LEVINE-FRICKE

SAMPLE ID: EXEN1 AEN LAB NO: 9310218-14 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	38,000 * 130,000 * 130,000 * 570,000 * 6,000 *	5 5 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/26/93
TPH as Diesel	GC-FID	ND	6	mg/kg	10/27/93
TPH as Oil	GC-FID	140 *	5	mg ∕kg	10/27/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	430 *	· 10	mg/kg	10/28/93
#Digestion. soil		-		Prep Date	10/30/93
Lead	EPA 7420	10 *	r 5	mg/kg	10/30/93

ND = Not detected

LEVINE-FRICKE

SAMPLE ID: EXEM2 AEN LAB NO: 9310218-15 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	21,000 * 60,000 * 52,000 * 290,000 * 3,500 *	5 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/04/93 11/04/93 11/04/93 11/04/93 11/04/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/26/93
TPH as Diesel	GC-FID	ND	5	mg/kg	10/27/93
TPH as Oil	GC-FID	650 *	5	mg/kg	10/27/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	2,000 *	10	mg/kg	10/28/93
#Digestion. soil		-		Prep Date	10/30/93
Lead	EPA 7420	110 *	5	mg/kg	10/30/93

ND = Not detected
LEVINE-FRICKE

SAMPLE ID: EXES3 AEN LAB NO: 9310218-16 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ Cas#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	38.000 190.000 91.000 510.000 3.200	* 5 * 5 * 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/05/93 11/05/93 11/05/93 11/05/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/26/93
TPH as Diesel	GC-FID	10 7	* 1	mg/kg	10/27/93
TPH as Oil	GC-FID	160 '	* 5	mg/kg	10/27/93
#Soil Extrn for TOG/HCs	SM 5520EF	-		Extrn Date	10/27/93
Hydrocarbons SM 5520F	SM 5520F	510 ,	* 10	mg/kg	10/28/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	11 ,	* 5	mg/kg	10/30/93

ND = Not detected
 * = Indicates value above reporting limit

LEVINE-FRICKE

SAMPLE ID: EXSES4 AEN LAB NO: 9310218-17 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	Method/ Cas#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	20,000 * 62,000 * 90,000 * 490,000 * 3,000 *	5 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/05/93 11/05/93 11/05/93 11/05/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/26/93
TPH as Diesel	GC-FID	14 *	* 1	mg/kg	10/27/93
TPH as Oil	GC-FID	240 *	• 5	mg/kg	10/27/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	10 *	* 5	mg/kg	10/30/93

ND = Not detected
 * = Indicates value above reporting limit

LEVINE-FRICKE

SAMPLE ID: EXNEN5 AEN LAB NO: 9310218-18 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

.

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	80,000	* 5 * 5 * 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/05/93 11/05/93 11/05/93 11/05/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/26/93
TPH as Diesel	GC-FID	63	* 1	mg/kg	10/27/93
TPH as Oil	GC-FID	190	* 5	mg/kg	10/27/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	10	* 5	mg/kg	10/30/93

ND = Not detected

* = Indicates value above reporting limit

· ·

LEVINE-FRICKE

SAMPLE ID: EXNWN6 AEN LAB NO: 9310218-19 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	1.2 *	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	37,000 * 180,000 * 80,000 * 480,000 * 3,800 *	5 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/05/93 11/05/93 11/05/93 11/05/93
#Extraction for Diese1/0i1	EPA 3550	-		Extrn Date	10/26/93
TPH as Diesel	GC-FID	8 *	1	mg/kg	10/27/93
TPH as Oil	GC-FID	170 *	5	mg/kg	10/27/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	11 *	5	mg/kg	10/30/93

ND = Not detected

* = Indicates value above reporting limit

LEVINE-FRICKE

SAMPLE ID: EXWM7 AEN LAB NO: 9310218-20 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ Cas#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	3,300 * 21,000 * 17,000 * 130,000 * 1,300 *	5 5 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
<pre>#Extraction for Diesel/0il</pre>	EPA 3550	-		Extrn Date	10/26/93
TPH as Diesel	GC-FID	9*	· 1	mg/kg	10/27/93
TPH as Oil	GC-FID	30 *	• 5	mg/kg	10/27/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	43 *	• 5	mg/kg	10/30/93

ND = Not detected

* = Indicates value above reporting limit

LEVINE FRICKE

SAMPLE ID: EXWN8 AEN LAB NO: 9310218-21 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	1.8 *	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	74,000 * 370,000 * 110,000 * 860,000 * 7,600 *	· 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/26/93
TPH as Diesel	GC-FID	44 *	1	mg/kg	10/27/93
TPH as Oil	GC-FID	770 *	5	mg/kg	10/27/93
#Digestion. soil		-		Prep Date	10/30/93
Lead	EPA 7420	19 *	5	mg/kg	10/30/93

ND = Not detected
.* = Indicates value above reporting limit

LEVINE-FRICKE

SAMPLE ID: EXWS9 AEN LAB NO: 9310218-22 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05 DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ Cas#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	24.000 * 33.000 * 60.000 * 350.000 * 3.000 *	5 5 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/04/93 11/04/93 11/04/93 11/04/93 11/04/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/26/93
TPH as Diesel	GC-FID	37 *	- 1	mg/kg	10/27/93
TPH as Oil	GC-FID	140 *	s 5	mg/kg	10/27/93
#Digestion. soil		-		Prep Date	10/30/93
Lead	EPA 7420	11 *	* 5	mg/kg	10/30/93

ND = Not detected

* = Indicates value above reporting limit

LEVINE-FRICKE

SAMPLE ID: EXSWS10 AEN LAB NO: 9310218-23 AEN WORK ORDER: 9310218 CLIENT PROJ. ID: 3015.05

.

DATE SAMPLED: 10/21/93 DATE RECEIVED: 10/22/93 REPORT DATE: 11/22/93

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	11/02/93
BTEX & Gasoline HCs (Soil) Benzene Toluene Ethylbenzene Xylenes, Total Purgeable HCs as Gasoline	EPA 8020 71-43-2 108-88-3 100-41-4 1330-20-7 5030/GCFID	4.100 * 9.300 * 10,000 * 73.000 * 490 *	5 5 5 5	ug/Kg ug/Kg ug/Kg ug/Kg mg/Kg	11/03/93 11/03/93 11/03/93 11/03/93 11/03/93
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	10/26/93
TPH as Diesel	GC·FID	35 *	* 1	mg/kg	10/27/93
TPH as Oil	GC-FID	160 *	• 5	mg/kg	10/27/93
#Digestion, soil		-		Prep Date	10/30/93
Lead	EPA 7420	8 *	* 5	mg/kg	10/30/93

ND = Not detected

.

* = Indicates value above reporting limit

PAGE 31

QUALITY CONTROL DATA

DATE EXTRACTED: 11/03/93 DATE ANALYZED: 11/04/93 CLIENT PROJ. ID: 3015.05 AEN JOB NO: 9310218 SAMPLE SPIKED: 9310236-05 INSTRUMENT: IR

IR DETERMINATION FOR OIL & GREASE/HYDROCARBONS METHOD SPIKE RECOVERY SUMMARY (SOIL MATRIX)

ANALYTE	Spike Conc. (mg/kg)	Sample Result (mg/kg)	MS Result (mg/kg)	MSD Result (mg/kg)	Average Percent Recovery	RPD
Oil	212	ND	197	197	92 .9	0.0

CURRENT QC LIMITS (Revised 10/25/93)

Analyte	Percent Recovery	<u>RPD</u>
Oil	(70-118)	18

METHOD BLANK RESULT

Lab Id.	Hydrocarbons (mg/kg)
102793-METHOD BLAN	K ND
Reporting Limit: Method: SM552OF Tostrument: IR	10
Date Extracted: 16	0/27/9 3 /28/93

MS = Method Spike MSD = Method Spike Duplicate RPD = Relative Percent Difference ND = Not Detected

PAGE 32

QUALITY CONTROL DATA

DATE EXTRACTED: 11/03/93 DATE ANALYZED: 11/04/93 CLIENT PROJ. ID: 3015.05 AEN JOB NO: 9310218 SAMPLE SPIKED: 9310236-07 INSTRUMENT: IR

IR DETERMINATION FOR OIL & GREASE/HYDROCARBONS METHOD SPIKE RECOVERY SUMMARY (SOIL MATRIX)

ANALYTE	Spike Conc. (mg/kg)	Sample Result (mg/kg)	MS Result (mg/kg)	MSD Result (mg/kg)	Average Percent Recovery	RPD
Oil	212	ND	197	202	94.1	2.5
		CURRENT QC	LIMITS (Revised	10/25/93)		
		Analyte	Percent Recover	<u>Y RPD</u>		
		Oil	(70-118)	18		
		MI	ETHOD BLANK RESUL	.T		
	:	Lab Id.	Hydro (n	ocarbons ng/kg)		
		102793-1	METHOD BLANK	ND		
		Method: Instrum	tracted: 10/27/9			

MS = Method Spike

MSD = Method Spike Duplicate

RPD = Relative Percent Difference

PAGE 33

QUALITY CONTROL DATA

DATE EXTRACTED: 10/25/93 DATE ANALYZED: 10/26/93 CLIENT PROJ. ID: 3015.05 AEN JOB NO: 9310218 SAMPLE SPIKED: 9310227-01 INSTRUMENT: C

METHOD SPIKE RECOVERY SUMMARY TPH EXTRACTABLE SOIL METHOD: EPA 3550 GCFID

ANALYTE	Spike Conc. (mg/kg)	Sample Result (mg/kg)	MS Result (mg/kg)	MSD Result (mg/kg)	Average Percent Recovery	RPD
Diesel	40.8	ND	26.8	27.9	67.0	4.0

CURRENT QC LIMITS (Revised 10/25/93)

<u>Analyte</u>	Percent Recovery	<u>RPD</u>
Diesel	(44-105)	18

METHOD BLANK RESULT

Lab Id.	Extractable Hydrocarbons as Diesel (mg/kg)	Extractable Hydrocarbons as Oil (mg/kg)
102593-METHOD BLA	NK ND	NÐ
Reporting Limit: Method: 3550 GCF	1 1D	1
Instrument: C Date Extracted: Date Analyzed: 1	10/25/93 0/26/93	

MS = Method Spike MSD = Method Spike Duplicate RPD = Relative Percent Difference ND = Not Detected

PAGE 34

QUALITY CONTROL DATA

DATE EXTRACTED: 10/28/93 DATE ANALYZED: 10/31/93 CLIENT PROJ. ID: 3015.05 AEN JOB NO: 9310218 SAMPLE SPIKED: 9310236-23 INSTRUMENT: C

METHOD SPIKE RECOVERY SUMMARY TPH EXTRACTABLE SOIL METHOD: EPA 3550 GCFID

ANALYTE	Spike Conc. (mg/kg)	Sample Result (mg/kg)	MS Result (mg/kg)	MSD Result (mg/kg)	Average Percent Recovery	RPD
Diesel	40.8	ND	31.7	32.3	78.4	1.9
	: CURREI	NT QC LIMITS	(Revised	10/25/93)		
	Analyte	Perce	nt Recover	<u>x rpd</u>		
•	Diesel	ť	44-105)	18		
		NETHOD BL	ANK RESULT			
	Lab Id.	Hydro as	actable carbons Diesel g/kg)	Extractable Hydrocarbons as Oil (mg/kg)	· .	
	102693-MET	HOD BLANK	ND	ND		

Reporting Limit: 1 1 Method: 3550 GCFID Instrument: C Date Extracted: 10/26/93 Date Analyzed: 10/27/93

MS = Method Spike

MSD = Method Spike Duplicate

RPD = Relative Percent Difference

PAGE 35

QUALITY CONTROL DATA

INSTRUMENT: H

CLIENT PROJ. ID: 3015.05

AEN JOB NO: 9310218 AEN LAB NO: 1102-BLANK DATE ANALYZED: 11/02/93

BTEX AND HYDROCARBONS (SOIL MATRIX) METHOD: EPA 8020, 5030 GCFID (SOIL MATRIX)

	CAS #	CONCENTRATION (ug/kg)	REPORTING LIMIT (ug/kg)
Benzene	71-43-2	ND	5
Toluene	108-88-3	ND	5
Ethylbenzene	100-41-4	ND	5
Xylenes, Total	1330-20-7	ND	5
PURGEABLE HYDRO	CARBONS AS:		
Gasoline		ND mg/kg	0.2 mg/kg
• .			

QUALITY CONTROL DATA

INSTRUMENT: H CLIENT PROJ. ID: 3015.05 AEN JOB NO: 9310218 AEN LAB NO: 1103-BLANK DATE ANALYZED: 11/03/93

BTEX AND HYDROCARBONS (SOIL MATRIX) METHOD: EPA 8020, 5030 GCFID (SOIL MATRIX)

	CAS #	CONCENTRATION (ug/kg)	REPORTING LIMIT (ug/kg)
Benzene	71-43-2	ND	5
Toluene	108-88-3	ND	5
Ethylbenzene	100-41-4	ND	5
Xylenes, Total	1330-20-7	ND	5
PURGEABLE HYDRO	CARBONS AS:		
Gasoline		ND mg/kg	0.2 mg/kg

PAGE 37

QUALITY CONTROL DATA

INSTRUMENT: F

CLIENT PROJ. ID: 3015.05

AEN JOB NO: 9310218 AEN LAB NO: 1103-BLANK DATE ANALYZED: 11/03/93

BTEX AND HYDROCARBONS (SOIL MATRIX) METHOD: EPA 8020, 5030 GCFID (SOIL MATRIX)

	CAS #	CONCENTRATION (ug/kg)	REPORTING LIMIT (ug/kg)
Benzene	71-43-2	ND	5
Toluene	108-88-3	ND	5
Ethylbenzene	100-41-4	ND	5
Xylenes, Total	1330-20-7	ND	5
PURGEABLE HYDRO	CARBONS AS:	· · · ·	
Gasoline		ND mg/kg	0.2 mg/kg

PAGE 38

QUALITY CONTROL DATA

INSTRUMENT: H

CLIENT PROJ. ID: 3015.05

AEN JOB NO: 9310218 AEN LAB NO: 1104-BLANK DATE ANALYZED: 11/04/93

BTEX AND HYDROCARBONS (SOIL MATRIX) METHOD: EPA 8020, 5030 GCFID (SOIL MATRIX)

	CAS #	CONCENTRATION (ug/kg)	REPORTING LIMIT (ug/kg)
Benzene	71-43-2	ND	5
Toluene	108-88-3	ND	5
Ethylbenzene	100-41-4	ND	5
Xylenes, Total	1330-20-7	ND	5
PURGEABLE HYDRO	CARBONS AS:		
Gasoline		ND mg/kg	0.2 mg/kg

PAGE 39

QUALITY CONTROL DATA

INSTRUMENT: F

AEN JOB NO: 9310218 AEN LAB NO: 1105-BLANK DATE ANALYZED: 11/05/93

CLIENT PROJ. ID: 3015.05

BTEX AND HYDROCARBONS (SOIL MATRIX) METHOD: EPA 8020, 5030 GCFID (SOIL MATRIX)

	CAS #	CONCENTRATION (ug/kg)	REPORTING LIMIT (ug/kg)
Benzene	71-43-2	NÐ	5
Toluene	108-88-3	ND	5
Ethylbenzene	100-41-4	ND	5
Xylenes, Total	1330-20-7	ND	5
PURGEABLE HYDRO	CARBONS AS:		
Gasoline		ND mg/kg	0.2 mg/kg

PAGE 40

QUALITY CONTROL DATA

CLIENT PROJ. ID: 3015.05

AEN JOB NO: 9310218

INSTRUMENT: H, F

SURROGATE STANDARD RECOVERY SUMMARY METHOD: EPA 8020 (SOIL MATRIX)

Date	SAMPLE IDENT	IFICATION	SURROGATE RECOVERY (PERCENT)
Analyzed	Client Id.	Lab Id.	
Ana 1yzed 11/03/93 11/02/93 11/02/93 11/03/93 11/03/93 11/03/93 11/03/93 11/03/93 11/03/93 11/03/93 11/03/93 11/03/93 11/05/93 11/05/93 11/05/93 11/03/93	SP1 SP2 SP3 SP4 SP5 SP6 D&P1 D&P2 D&P3 D&P4 D&P3 D&P4 D&P5 D&P6 D&P7 EXEN1 EXEM2 EXES3 EXSES4 EXNEN5 EXNWN6 EXWN8 EXWN8 EXWS9 EXSWS10	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 1102-BLANK-H 1103-BLANK-H 1103-BLANK-H 1104-BLANK-F 1104-BLANK-F	87.8 109.2 90.2 89.4 89.3 90.6 90.8 90.0 86.7 88.2 86.6 95.7 86.0 89.5 91.2 74.0 72.3 74.7 73.1 88.5 96.9 94.1 90.5 89.8 86.6 89.5 91.2 74.0 72.3 74.7 73.1 88.5 96.9 94.1 90.5 89.8 86.6 84.0 86.6 89.5 80.6

CURRENT QC LIMITS

<u>ANALYTE</u>

PERCENT RECOVERY

Fluorobenzene

(70-115)

PAGE 41

QUALITY CONTROL DATA

DATE ANALYZED: 11/04/93 SAMPLE SPIKED: 9310251-03 CLIENT PROJ. ID: 3015.03 AEN JOB NO: 9310218

INSTRUMENT: H

MATRIX SPIKE RECOVERY SUMMARY METHOD: EPA 8020, 5030 GCFID (SOIL MATRIX)

ANALYTE	Spike Conc. (ug/kg)	Sample Result (ug/kg)	MS Result (ug/kg)	MSD Result (ug/kg)	Average Percent Recovery	RPD
Benzene	17.7	ND	18.6	19.4	107.3	4.2
Toluene	68.1	ND	70.0	69.9	102.7	0.1
Hydrocarbons as Gasoline	1000	ND	76 9	706	73.8	8.5

CURRENT QC LIMITS (Revised 05/14/92)

<u>Analyte</u>	Percent Recovery	<u>RPD</u>
Benzene	(79.4-125.2)	9.8
Toluene	(84.4-116.8)	10.0
Gasoline	(53.7-124.2)	15.1

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

PAGE 42

QUALITY CONTROL DATA

DATE ANALYZED: 11/04/93 SAMPLE SPIKED: 9310251-02 CLIENT PROJ. ID: 3015.03 AEN JOB NO: 9310218

INSTRUMENT: H

MATRIX SPIKE RECOVERY SUMMARY METHOD: EPA 8020, 5030 GCFID (SOIL MATRIX)

ANALYTE	Spike Conc. (ug/kg)	Sample Result (ug/kg)	MS Result (ug/kg)	MSD Result (ug/kg)	Average Percent Recovery	RPD
Benzene	17.7	ND	20.1	19.1	110.7	5.1
Toluene Hydrocarbons	68.1	ND	70.6	69.4	102.8	1.7
as Gasoline	1000	ND	647	650	64.9	0.5

CURRENT QC LIMITS (Revised 05/14/92)

<u>Analyte</u>	<u>Percent Recoverv</u>	RPD
Benzene	(79.4-125.2)	9.8
Toluene	(84.4-116.8)	10.0
Gasoline	(53.7-124.2)	15.1

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

QUALITY CONTROL DATA

DATE AN	IALYZE	D: 1	1/04/93
SAMPLE	SPIKE): 9	310236-21
CLIENT	PROJ.	ID:	3015.03

AEN JOB NO: 9310218

INSTRUMENT: H

MATRIX SPIKE RECOVERY SUMMARY METHOD: EPA 8020, 5030 GCFID (SOIL MATRIX)

ANALYTE	Spike Conc. (ug/kg)	Sample Result (ug/kg)	MS Result (ug/kg)	MSD Result (ug/kg)	Average Percent Recovery	RPD
Benzene	20.2	ND	20.6	21.4	104.0	3.8
Toluene Hydrocarbons	69.5	ND	69.6	71.7	101.7	3.0
as Gasoline	1000	ND	831	799	81.5	3.9

CURRENT QC LIMITS (Revised 05/14/92)

<u>Analyte</u>	Percent Recovery	RPD
Benzene	(79.4-125.2)	9.8
Toluene	(84.4-116.8)	10.0
Gasoline	(53.7-124.2)	15.1

MS = Matrix Spike MSD = Matrix Spike Duplicate RPD = Relative Percent Difference

QUALITY CONTROL DATA

INSTRUMENT: 12

CLIENT PROJ. ID:

3015.05

AEN JOB NO: 9310218 AEN LAB NO: 1111-BLANK DATE ANALYZED: 11/11/93

EPA METHOD 8240 (SOIL MATRIX) VOLATILE ORGANIC COMPOUNDS (METHOD BLANK)

COMPOUND	CAS #	CONCENTRATION (ug/kg)	REPORTING LIMIT (ug/kg)
Acetone Benzene	67-64-1 71-43-2	ND ND	100 5 5 5 10
Bromodichloromethane	75-27-4 75-25-2	ND ND	5
Bromoform Bromomethane	74-83-9	ND	10
2-Butanone	78-93-3	ND	100
Carbon Disulfide	75-15-0	ND	10
Carbon Tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3 110-75-8	ND ND	10
2-Chloroethyl Vinyl Ether Chloroform	67-66-3	ND	10 55 10 10 55 55 55 55 55 55 55 55 55 55 55 55 55
Chloromethane	74-87-3	ND	10
Dibromochloromethane	124-48-1	ND	5
1.2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7 75-34-3	ND · ND	ວ ເ
1,1-Dichloroethane 1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1.2-Dichloroethene	156-60-5	ND	5
1.2-Dichloropropane	78-87-5	ND	5
cis-1,3-Dichloropropene	10061-01-5 10061-02-6	ND ND	ວ 5
trans-1,3-Dichloropropene Ethylbenzene	100-41-4	ND	5
2-Hexanone	591-78-6	ND	50
Methylene Chloride	75-09-2	r ND	_5
4-Methy1-2-pentanone	108 - 10 - 1	ND	50
Styrene	100-42-5	ND	5
1.1.2.2-Tetrachloroethane	79-34-5 127-18-4	ND ND	ວ 5
Tetrachloroethene	108-88-3	ND	5 5 5 5 5 5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Vinyl Acetate	108-05-4	ND ND	50 10
Vinyl Chloride Xylenes, total	75-01-4 1330-20-7	ND	10

QUALITY CONTROL DATA

INSTRUMENT: 12

AEN JOB NO: 9310218

CLIENT PROJ. ID: 3015.05

SURROGATE STANDARD RECOVERY SUMMARY METHOD: EPA 8240 (SOIL MATRIX)

SAMPLE IDENTIFICATION			SURROGATE RECOVERY (PERCENT)			
Date Analyzed	Sample Id.	Lab Id.	1,2-Dichloro- ethane-d ₄	Toluene-d ₈	p-Bramofluoro benzene	
11/11/93	SP2	02	87.8	97.4	97.8	
11/11/93 11/11/93	SP3	03 1111-BLANK	84.3 100.5	95.5 103.9	97.6 100.8	

CURRENT QC LIMITS (Revised 08/13/91)

ANALYTE

PERCENT RECOVERY

(80-135) (90-116) (82-114)

1,2-Dichloroethane-d	
Toluene-d _e	
p-Bromofluorobenzene	

PAGE 46

QUALITY CONTROL DATA

DATE ANALYZED: 11/11/93 SAMPLE SPIKED: 9311029-27 CLIENT PROJ. ID: 3015.05

AEN JOB NO: 9310218

INSTRUMENT: 12

MATRIX SPIKE RECOVERY SUMMARY METHOD: EPA 8240 (SOIL MATRIX)

ANALYTE	Spike Conc. (ug/kg)	Sample Result (ug/kg)	MS Result (ug/kg)	NSD Result (Ug/kg)	Average Percent Recovery	RPD
1.1-Dichloroethene	50.0	ND	46.1	45.6	91.7	1.1
Trichloroethene	50.0	ND	51.7	49.3	101.0	4.8
Benzene	50.0	ND	51.0	51.7	102.7	1.4
Toluene	50.0	ND	50.3	50.6	100.9	0.6
Chlorobenzene	50.0	ND	50.7	50.6	101.3	0.2

CURRENT QC LIMITS (Revised 08/13/91)

<u>Analyte</u>	Percent Recovery	<u>RPD</u>
1.1-Dichloroethene	(61-143)	15
Trichloroethene	(72-121)	12
Benzene	(82-123)	10
Toluene	(80-118)	12
Chlorobenzene	(82-113)	10

MS = Matrix Spike MSD = Matrix Spike Duplicate RPD = Relative Percent Difference

American En mmental Network

PAGE 47

QUALITY CONTROL DATA

INSTRUMENT: 11

CLIENT PROJ. ID: 3015.05

AEN JOB NO: 93112218 AEN LAB NO: 110----BLANK DATE EXTRACTED: 11/04/93 DATE ANALYZED: 11/06/93

EPA METHOD 8270 (SOIL MATRIX) SEMI-VOLATILE ORGANIC COMPOUNDS GC/MS EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/kg)	EEPORTING LIMIT .ug/kg)
Acenaphthene	83-32-9	ND	330
Acenaphthylene	208-96-8	ND	330
Anthracene	120-12-7	ND	330
Benzidine	92-87-5	ND	1600
Benzoic Acid	65-85-0	ND	1600
Benzo(a)anthracene	56-55-3	ND	330
Benzo(b)fluoranthene	205-99-2	ND -	330
Benzo(k)fluoranthene	207-08-9	ND	330
<pre>Benzo(g,h,i)perylene</pre>	191-24-2	ND	330
Benzo(a)pyrene	50-32-8	ND	330
Benzyl Alcohol	100-51-6	ND	660
Bis(2-chloroethoxy) methane	111-91-1	ND	.330
Bis(2-chloroethyl)ether	111-44-4	ND	330
Bis(2-chloroisopropyl) ether	39638-32-9	ND	330
Bis(2-ethylhexyl) phthalate	117-81-7	ND	330
4-Bromophenyl phenyl ether	101-55-3	ND	330
Butylbenzyl phthalate	85-68-7	ND	330
4-Chloroaniline	106-47-8	ND	660
2-Chloronaphthalene	91-58-7	ND	330
4-Chlorophenyl phenyl ether	7005-72-3	NĎ	330
Chrysene	218-01-9	ND	330
Dibenzo(a,h)anthracene	53-70-3	ND	330
Dibenzofuran	132-64-9	ND	330
Di-n-butylphthalate	84-74-2	ND	330
1.2-Dichlorobenzene	95-50-1	ND	330

QUALITY CONTROL DATA

INSTRUMENT: 11

CLIENT PROJ. ID: 3015.05

AEN JOB NO: 9310218 AEN LAB NO: 1104-BLANK DATE EXTRACTED: 11/04/93 DATE ANALYZED: 11/06/93

EPA METHOD 8270 (SOIL MATRIX) GC/MS EXTRACTABLES (Cont.)

Compound	CAS #	CONCENTRATION (ug/kg)	REPORTING LIMIT (ug/kg)
1,3-Dichlorobenzene	541-73-1	ND	330
1,4-Dichlorobenzene	106-46-7	ND	330
3,3'-Dichlorobenzidine	91-94-1	ND	660
Diethylphthalate	84-66-2	ND	330
Dimethylphthalate	131-11-3	ND	330
2,4-Dinitrotoluene	121-14-2	ND	330
2,6-Dinitrotoluene	606-20-2	ND	330
Di-n-octylphthalate	117-84-0	ND	330
1.2-Diphenylhydrazine	122-66-7	ND	330
Fluoranthene	206-44-0	ND	330
Fluorene	86-73-7	ND	330
Hexachlorobenzene	118-74-1	ND	330
Hexachlorobutadiene	87-68-3	ND	330
Hexachlorocyclopentadiene	77-47-4	ND	330
Hexachloroethane	67-72-1	ND	330
Indeno(1,2,3-cd)pyrene	193-39-5	ND	330
Isophorone	78-59-1	ND	330
2-Methylnaphthalene	91-57-6	ND	330
Naphthalene	91-20-3	ND	330
2-Nitroaniline	88-74-4	ND	1600
3-Nitroaniline	99-09-2	ND ND	1600
4-Nitroaniline	100-01-6	ND	1600
Nitrobenzene	98-95-3	ND	330
N-nitrosodimethylamine	62-75-9	ND	330
N-nitrosodiphenylamine	86-30-6	ND	330
N-nitroso-di-n-	621-64-7	ND	330
propylamine	05 01 0	ND	220
Phenanthrene	85-01-8	ND	330
Pyrene	129-00-0	ND	330
1,2.4-Trichlorobenzene	120-82-1	ND	330

PAGE 49

QUALITY CONTROL DATA

INSTRUMENT: 11

CLIENT PROJ. ID: 3015.05

AEN JOB NO:	9310218
AEN LAB NO:	1104-BLANK
DATE EXTRACT	ED: 11/04/93
DATE ANALYZEI	D: 11/06/933

EPA METHOD 8270 (SOIL MATRIX) GC/MS EXTRACTABLES (Cont.)

Compound	CAS #	CONCENTRATION (ug/kg)	REPORTING LIMIT (ug/kg:
<pre>4-Chloro-3-methylphenol</pre>	59-50-7	ND	$\begin{array}{c} 330 \\ 330 \\ 330 \\ 330 \\ 1600 \\ 1600 \\ 330 \\ 330 \\ 330 \\ 1600 \\ 1600 \\ 1600 \\ 330 \\ 330 \\ 330 \\ 330 \\ 330 \\ 330 \end{array}$
2-Chlorophenol	95-57-8	ND	
2.4-Dichlorophenol	120-83-2	ND	
2.4-Dimethylphenol	105-67-9	ND	
4.6-Dinitro-2-methylphenol	534-52-1	ND	
2.4-Dinitrophenol	51-28-5	ND	
2-Methylphenol	95-48-7	ND	
4-Methylphenol	106-44-5	ND	
2-Nitrophenol	88-75-5	ND	
4-Nitrophenol	100-02-7	ND	
Pentachlorophenol	87-86-5	ND	
Phenol	108-95-2	ND	
2.4.5-Trichlorophenol	95-95-4	ND	
2.4.6-Trichlorophenol	88-06-2	N	

PAGE 50

QUALITY CONTROL DATA

DATE EXTRACTED: 11/04/93

AEN JOB NO: 9310218

CLIENT PROJ. ID: 3015.05

INSTRUMENT: 11

SURROGATE STANDARD RECOVERY SUMMARY METHOD: EPA 8270 (SOIL MATRIX)

SAM	PLE IDENTIFIC	ATION		+	ROGATE	RECOVE		
Date Analyzed	Client Id.	Labid.	Nitro- benzene-d5	2-Fluoro- biphenyl	Terphenyl- d ₁₄	Phenol-d ₅	2-fluoro- phenol	2,4,6-Tribromo- phenol
11/10/93 11/10/93 11/06/93	SP2 SP3	02 03 1104-blan	116.9 99.8 K 58.0	111.0 113.3 67.3	107.9 96.0 65.0	84.2 62.8 70.1	72.5 63.5 65.6	76.9 108.2 58.4

CURRENT QC LIMITS (REVISED 01/08/92)

ANALYTE

PERCENT RECOVERY

Nitrobenzene-d ₅	(23-120)
2-Fluorobiphenyl	(30-115)
Terphenyl-d ₁₄	(18-137)
Phenol-d ₅	(24-113)
2-Fluorophenol	(25-121)
2,4,6-Fribromophenol	(19-122)

QUALITY CONTROL DATA

DATE EXTRACTED: 11/04/93 DATE ANALYZED: 11/06/93 CLIENT PROJ. ID: 3015.05

AEN JOB NO: 9310218 SAMPLE SPIKED: 9310331-06 INSTRUMENT: 11

MATRIX SPIKE RECOVERY SUMMARY METHOD: EPA 8270 (SOIL MATRIX)

ANALYTE	Spike Conc. (ug/kg)	Sample Result (ug/kg)	MS Result (ug/kg)	HSD Result (ug/kg)	Average Percent Recovery	RPD
Phenol	3330	ND	2510	2580	76.4	2.8
2-Chlorophenol	3330	ND	2320	2330	69.8	0.4
1,4-Dichlorobenzene	3400	ND	1950	1970	57.6	1.0
N-Nitroso-di-n-propylamine	3320	ND	2620	2640	79.2	0.8
1,2,4-Trichlorobenzene	3330	ND	1940	1910	57.8	1.6
4-Chloro-3-methylphenol	3270	ND	3100	3160	95.7	1.9
Acenaphthene	3330	ND	2610	2370	74.8	9.6
4-Nitrophenol	3300	ND	1970	2050	60.9	4.0
2.4-Dinitrotoluene	3330	ND	2600	2650	78.8	1.9
Pentachlorophenol	3380	ND	2250	2440	69.4	8.1
Pyrene	3320	ND	1770	1870	54.8	5.5

CURRENT QC LIMITS (DEFAULT)

<u>Analyte</u>	Percent Recovery	<u>rpd</u>
Phenol 2-Chlorophenol 1,4-Dichlorobenzene N-Nitroso-di-n-propylam 1,2,4-Trichlorobenzene 4-Chloro-3-methylphenol Acenaphthene 4-Nitrophenol 2,4-Dinitrotoluene Pentachlorophenol Pyrene	(26-90) (25-102) (28-104) ine (41-126) (38-107) (26-103) (31-137) (11-114) (28-89) (17-109) (35-142)	35 50 27 38 23 33 19 50 47 47 36
5		

MS = Matrix Spike MSD = Matrix Spike Duplicate RPD = Relative Percent Difference

PAGE 52

QUALITY CONTROL DATA

MATRIX: SOIL

AEN JOB NO: 9310218

CLIENT PROJ. ID: 3015.05

DIGESTION DATE: 10/30-11/07/93

MATRIX SPIKE RECOVERY SUMMARY

					OBSERVED	RECOVERIES			QC CONTROL	LIMITS
COMPOUND	INST./ Method	SAMPLE SPIKED	SAMPLE Result	SP I KE ADDED		kecoveries I/kg) MSD	% REC.	RPD	% REC. Limit	RPD LINIT
Organo Lead	V22/DHS	9310218-18	ND	5.0	5.40	5,56	110	3	50-132	22
Organo Lead	V22/DHS	9310218-20	ND	5.0	5.13	4.84	100	6	50-132	22
Pb, Lead	V22/7420	9310218-05	26.9	500	484	500	93	3	72-122	13
Pb, Lead	V22/7420	9310218-23	8.3	500	444	490	92	10	72-122	. 13

MS = Matrix Spike

MSD = Matrix Spike Duplicate

SAMPLE SPIKED: SAND

METHOD SPIKE RECOVERY SUMMARY

								QC CONTRO	L LIMITS
COMPOUND	INST./ Method	SAND Blank Result	TRUE VALUE) RECOVERIES /kg) MSD	X REC.	RPD	% REC. Linit	RPD LIMIT
Cd, Cadmium	ICP/6010	ND	20	19.1	19.2	96	1	75-125	20
Cr, Chromium	ICP/6010	ND	100	94.9	95.7	95	1	75-125	20
Ni, Nickel	ICP/6010	ND	100	97.9	98.6	98	1	75-125	20
Pb, Lead	ICP/6010	ND	100	99.1	101	100	2	75-125	20
Pb, Lead	V22/7420	ND	1000	915	886	90	3	75-125	20
Zn, Zinc	ICP/6010	ND	100	92.7	94.0	93	1	75-125	20

MS = Method Spike

MSD = Method Spike Duplicate

RPD = Relative Percent Difference

ND = Not Detected

*** END OF REPORT ***

R-4,5-	<u> </u>				Field	Logh	ook	No ·				Jater		ou on Serial	9310218 No.:
roject No.						-								-21-93 Serial	8875
roject Nan	ne: Di	versifi	ed Tank Pul	Ň,	Proje	ct Lo	catio	n: 🎸			-		r		
ampler (Sig	nature)	: Su	MPLES	enzy	1				<u>A</u>	NAL	YSES	~	-/-	. / / Y	plers:
				NO. OF			(K)	J.	4.01	A NO WAY	(1984) (1984)	(Per	Å,	Ser Susan	Henry; Shellie Fletcher
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	CON	SAMPLE TYPE	<u>A</u>				5/18	1 ors	XE	Ú	Ni Cr	/REMARKS
SPI	10-2	-93	014	1	Soil	<u> </u>	V	V	✓	V	V	4240		7	
SP2	1		02A	1		<u>v</u>			4		<u>√</u>	× ّ	X	Note,	For SP1, SP2, SP3,
SP3			03A	1		1	~			\checkmark	V	X	X		5, SPG = Ignore the
SP4			044	1		V	~	1	V	\checkmark	\vee				written on labels.
SPS			OSA	1		1	<u> </u>	V	12	\checkmark	V				requested here.
SP6			064	1		17	1		V	\checkmark	V				y sample do:
DEPI			OIA	1		1	1	1		V	\checkmark			- TPHg - 8	015
DEP2			08A	1		17					1			TPHa-8	
DEP3			OPA	1		1	1		12	V		ļ		BTEX - 80	
DEPY			ιοΑ	1		12		4			V			OilEGrease -	
DIP5			IIA			1	5	1	K		12	<u> </u>		Total Lead	- 1421
DEP6		┞_┫	124	1		12	<u> </u>	ļ			$\frac{1}{2}$			Organic L	ead - UHS
DZP7)	13A	/			<u> </u>					ļ	÷		gravel with gasoline
	ļ	· · · · · · · · · · · · · · · · · · ·						<u> </u>						Normal -	
Vote: SP-	= Stoch	Pile		Perc	lint	1/22	-a	pal	grze	Dt	16	for			11ts to Sue Henry
		vensev st	Piping	571	CPE				HT-			$\frac{1}{\sqrt{2}}$	7	agestions:	DATE TIME
RELINQUISHED (Signature)		m. M	Kenn	1	DATE -72	-93	1ME 1.[(Signa	ture)	1/4	i/	1	ter -	10-229409:10
RELINQUISHED	BY: /		1 D		DATE 10-75	1	TME M		RECEIV (Signa			ia (3.6	PILAND .	DATE TIME 10-22-93 0950
(Signature) RELINQUISHED		4 /7	heg-		DATE		1ME		RECEIV	ED BY:			<u> </u>		DATE TIME
(Signature) DATE TIME						_	(Signa LAB CO		5:				<u> </u>		
ILTION OF SU	49° PALLAT \$							1	-						