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FINAL DRAFT

SITE INSPECTION REPORT

LI TUNGSTEN

GLEN COVE, NEW YORK

VOLUME 4 OF 5

FIELD INVESTIGATION TEAM ACTIVITIES AT UNCONTROLLED HAZARDOUS SUBSTANCES FACILITIES — ZONE I

NUS CORPORATION
SUPERFUND DIVISION

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SITE INSPECTION REPORT
LI TUNGSTEN
GLEN COVE, NEW YORK
VOLUME 4 OF 5

PREPARED UNDER

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WASTE CHARACTERIZATION REPORT

LI TUNGSTEN SITE

GLEN COVE, NEW YORK

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VOLUME I

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1.0 INTRODUCTION

Enviropact Northeast, Inc., under agreement with R.T.P. Environmental Associates, Inc., has completed the partial characterization of the solid waste present at the Li Tungsten facility in Glen Cove, N.Y. The purpose of this characterization is to provide information necessary to estimate costs associated with the disposal of this material from the site. This estimate, in association with estimates and information being developed concurrently for RTP by other contractors, should provide a total estimated cost for the site clean-up. Enviropact's efforts during this study however, should not be considered as a complete waste characterization for final disposal and certainly not a complete site characterization.

1.1 SCOPE OF WORK

Enviropact's scope of work for the project was originally broken down into the following tasks (Attachment 1):

* Site reconnaissance to gather information necessary to identify solid waste, make an inventory, and develop a sampling program to characterize a portion of the solid waste.

* Collect representative samples (composites) from all solid waste located on the site.

* Analyze solid waste for total metals and E.P. toxicity to determine if it is hazardous.

* Analyze specific materials, surface soils, sediments, and

surface waters for P.C.B., volatile organics, priority pollutants and radiochemistry.

* Develop cost estimates associated with the disposal of estimated quantities of solid waste to a qualified T.S.D. facility.

During the project, additional requirements were added to this scope of work. These items are listed below:

* The analyses of samples collected from two outfalls located at the Li Tungsten facility (005 and 004).

* Cost estimates on emergency remediation steps identified by RTP during the initial reconnaissance. These include lab packs, overpacking of liquid drums, pond remediation, and disposal of accumulated waters on the floors throughout the Dice Building and the East Building.

* Cost estimates for the disposal of all liquids from tanks throughout the facility.

It should be noted that although the additions to the scope have been completed by Enviropact, they were developed using information provided by other contractors, former Li Tungsten personnel and RTP. Because of time and cost restraints on this project, the information provided by these sources could not be confirmed. Therefore, Enviropact does not assume the responsibility on the accuracy of this information and has developed cost estimates based on this understanding.

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1.2 SITE DESCRIPTION AND LOCATION

The Li Tungsten facility (Figure 1), located in Glen Cove, New York, consists of several parcels of land, approximately 20 acres in size. Due to the size of the property and for the purpose of reporting data, the parcels were specifically identified as follows:

* Area A is located south of Herb Hill Road and east of Garvies Point Road. Five buildings are located in this area. However for sampling purposes, Area A represents only the outdoor areas (Figure 2).

* Area D refers to the Dice Building, a warehouse which is located on the southern side of Area A. The south wall of the Dice Building is bordered by the Glen Cove Creek. All sampling was done inside the building (Figure 2).

* Area B is located to the east of Dickson Lane and north of Herb Hill Road. The area is presently used as a parking lot to the south and is mostly wooded to the north. There are no buildings located in this area (Figure 3).

* Area C refers to the parcel of land west of Dickson Lane and north of Garvies Point Road. There are two buildings on this property; the New Warehouse and the Reduction Building. On the south end there is a lined lagoon. Just north of the lagoon is a large fuel tank (Figure 4).

2.0 FIELD EFFORT

2.1 SITE RECONNAISSANCE

2.1.1 HEALTH & SAFETY

Due to the current condition of the site, a health and safety plan, identifying the expected hazardous material and levels of safety necessary to protect the health and safety of Enviropact Northeast, Inc. field personnel was developed (Attachment 2).

2.1.2 SUMMARY OF SITE RECONNAISSANCE

A preliminary site reconnaissance was performed on March 25, 1988 to identify the solid waste on site in order to ascertain the type of material that would be included in the inventory. This inspection was performed by two Enviropact Northeast, Inc. personnel, a representative of RTP Environmental Associates, Inc. and a representative of Li Tungsten, the former site owner. During the inspection the Li Tungsten representative pointed out materials on site which would require disposal and material which would be retained by the previous owner. As a result of this inspection the following solid wastes were identified for disposal:

(a) In area A (Figure 2), drums, crates and piles were identified outside of buildings. The majority of this material was located on the north side of the Dice building, the south

side of the Carbide building, and adjacent to the East Building. Additional material was also stored along the property fence on the corner of Herb Hill Rd. and Garvies Point Road. The material was primarily stored in 55 and 30 gallon drums, many of which had corroded with their contents spilling on the concrete pavement. Liquid drums were also dispersed throughout the area, however the Li Tungsten representative could not identify their contents, but assured us that they did not contain organics a statement which was later found to be inaccurate.

(b) Inspection of the Loung building indicated the presence of asbestos. All 30 gallon drums stored in this building were empty according to the Li Tungsten representative. Upon examination this was confirmed.

(c) Inspection of the East building indicated the presence of numerous tanks but no solid waste or any other type of solid materials. The area inside this building was flooded with water.

(d) The Li Tungsten representative was asked on several occasion if chemicals other than those stored in the tanks were present on site. He repeatedly denied that any type of chemical, organic or non-organic, was being stored on site and did not identify the laboratory area as an area of concern.

(e) The inspection of the Dice and Warehouse Building, area D (Figure 2), revealed the warehousing of large quantities of

processed ore. Most of this material was stored in 55 and 30 gallon drums, and crates. The material seemed to be stored in lots identified by I.D. numbers. The Li Tungsten representative was asked if quantities could be retrieved by lot number. His response was that it would be time consuming and that much of the information was not available on site. Many of the drums showed signs of corrosion, especially in areas were flooding had occurred. Much of the material had spilled onto the floor. Drums were dangerously stacked three and four drums high, and close together, making access for sampling a problem. The Li Tungsten representative estimated that approximately 1 million pounds of processed ore was being warehoused in this building. Some of the material was being prepared for shipment, but no indication was given as to what specific lots would be removed. Overall this building contained the major portion of the solid waste which would need to be disposed of.

(f) Opposite and to the south of the Dice Building there is a partially covered storage area. This area is being used to store old equipment with no evidence of solid waste was being stored.

(g) The Carbide building contained no solid waste. On the outside of this building facing Herb Hill Road, several transformers were identified. The Li Tungsten representative was asked if the transformer oil had been recently tested. He indicated that some transformers had been tested and that he would provide RTP this information.

(h) Three concrete settling tanks were identified on the west side of the Dice building. According to the Li Tungsten representative these received processed water from the Dice Building which was then transferred to the lagoon located in area C across the road.

(i) Three outfalls were referred to, but not identified. The Li Tungsten representative was asked to provide the old SPDES permit. Examination of the permit indicated that the facility was required to monitor 17 parameters including pH and heavy metals.

(j) Area C (Figure 4), west of Dickson Lane was also inspected. In this area a lagoon and two small mud holes were identified as having received process water from the facility. The lagoon was lined and partially covered with what was assumed to be rain water. Upon closer inspection of the liner it was apparent that it had been perforated by vegetative growth. The lagoon contained sludge that had apparently settled out during previous years. The two small mud holes also showed signs of having received discharge during previous years.

(k) The New Warehouse building also located in area C was inspected. The building is used to store large quantities of materials which according to the Li Tungsten representative will be removed and retained by the former owner. Based on his instruction no attempt was made to identify the type of material located in this building.

(l) Outside the New Warehouse building quantities of materials similar to those previously identified in area A and D

were identified and inspected. The material are stored along the south, west and east walls of the building in crates and 55 gallon drums. It was indicated that these materials would need to be inventoried and disposed of. Outside and east of the building in question several transformers were also identified .

(m) The Reduction building houses the refractory furnaces. No solid waste or other types of solid materials were identified. Outside this building several transformers were also identified.

(n) West of the Reduction building the landscape slopes upward to an area where additional material was identified. This material was identified as wastes from the refractory furnaces by the Li Tungsten representative. Although the landscape naturally slopes upward in the surrounding area it would appear that past disposal practices had created a sizeable man made mound. At the summit of this mound, several piles of distinctly colored material were also identified. No additional information was provided on the extent of filling that was performed in this area in the past.

(o) Across the street from the Reduction Building and new Warehouse Building is a vacant lot referred to as area B. The area is partially wooded to the north, with clearings spotted throughout. At one such clearing which can be seen from the road, seven piles of material similar to those reported in area C were identified. Apparently this area also had been partially filled, since it did not conform with the general slope of the landscape. A clearing to the south and adjacent to Herbhill Rd. formerly used as a parking area by Li Tungsten employees is

presently being used to store junked cars. The drainage in this area is to the south. Overland runoff is captured by an intermittant creek that empties into a small pond.

2.2 INVENTORY OF WASTE

Based on this preliminary reconnaissance, Enviropact Northeast formulated its approach to conduct a comprehensive inventory of the solid waste material that would require disposal. The approach entailed the enumeration of all drums and crates, and measurements of piles to determine approximate volumes. The inventory was performed in conjunction with the sampling effort in order to save time. A team of three Enviropact personnel which consisted of a chemist, a remediation expert and a technician performed the inventory and collected samples of the materials previously identified. In addition to making an inventory of the solid waste the team identified and enumerated drums containing liquids. These drums were not sampled. The base map indicates the location of the material inventoried (Figures 5 through 8). The result of the inventory is found in Tables 1 through 4.

2.2.1 SOLIDS

AREA A

A physical inventory of the number of drums, crates, and piles of material was made. Approximately 155 crates, 826 fifty-five gallon drums (Figure 5), and 480 thirty gallon drums were counted in this area. Based on the capacity of these containers,

estimated volumes (cubic yards) were developed and converted to tons by multiplying by a weight factor of 1.5 tons/cu. yd. The only exception was A-12, where boundaries and height of the waste were used to determine volumes. As a result, the total volume and tonnage in area A was estimated to be 942 cu. yds. and 1413 tons, respectively. (See Table 1.)

AREA D

A physical inventory of the number of drums, crates, and piles of material was made (Figure 8). Approximately 288 crates, 2726 fifty-five gallon drums, and 3,823 thirty gallon drums were counted in this area. Total volume and tonnage was determined as previously described in Area A. As a result, the total volume and tonnage in Area D was estimated to be 1,588 cu. yds. and 2,382 tons, respectively (See Table 2).

AREA B

As previously described, the bulk of the material in this area was either in piles or landfill. In view of this situation, Enviropact requested that a surveyor develop estimated volumes for this area. As a result of the surveyor's input, approximately 325 cu. yds. were estimated for the seven piles of material, and 6,000 cu. yds. for the landfill area west of the intermittent creek, and north of the pond (Figure 6). Using the weight conversion factor, approximately 9500 tons of material has been identified in this area (See Table 3).

AREA C

The two major sources of material in this area were identified in crates and drums, and in a filled-in area behind

the Carbide Building (Figure 7). Approximately 276 crates and 197 fifty-five gallon drums were counted outside the New Warehouse Building. As a result of the surveyor's input, it was estimated that approximately 2000 cu. yds. of filled material may be found in Area C. Using the weight conversion factor, approximately 3494 tons of material has been identified in this area. (See Table 4.)

2.2.2 LIQUIDS

Although not in the original scope of work, Enviropact conducted a preliminary inventory of liquids in drums throughout the site. A total of 64 fifty-five gallon drums were identified in Area "A". In area "D" a total of 37 fifty-five gallon drums and 30 thirty gallon drums were identified as containing liquids. With the exception of the 30 drums which were tested for P.C.B., all other drums contents were not analyzed. Many of these drums showed signs of deterioration.

Also not included in the original scope of work was the cost estimate for the disposal of the liquids in the tanks. Table 5, to the best of our knowledge, summarizes the results of the a liquid inventory conducted by American Environmental-Technologies Corp. Based on their inventory, 64 tanks were identified to contain 312,000 gallons of liquid material. In addition to the 69 tanks which had been identified by contents and volume of contents, approximately 67 could not be included in our inventory because of unavailable information on current

contents and volumes. It should be noted that the bulk of the tanks were located in areas A and D.

2.2.3 MISCELLANEOUS WASTE

At the request of RTP, Enviropact conducted a preliminary inventory and review of areas needing immediate action. These areas of concern were identified by RTP. Subsequently, Enviropact was asked to develop cost estimates for corrective action. The following areas were identified as needing immediate action:

(a) Secure lab chemicals located in office/lab building. Approximately 9,500 sq. ft. of laboratory space was used to store various types of laboratory chemicals. The chemicals are in liquid and solid form and are contained in glass bottles and large bulk drums. Because the building roof is rapidly deteriorating, ceiling tiles are coming down on chemical containers causing spillage and emission of dangerous vapors. No inventory of the laboratory chemicals was made, since the area was considered unsafe and outside the original scope of work. In view of this situation, cost estimates were made based on a visual inspection of the area.

(b) Drum overpacking of all drums containing liquids assumed to be organic, located throughout the site as noted in Table 6. A preliminary inventory conducted by Enviropact identified 101 fifty-five gallon drums needing to be repacked and 30 thirty gallon drums that needed their liquid contents to be transferred to fifty-five gallon drums.

(c) Removal and disposal of water covering the floor of the Dice Building and East Building. It was estimated that approximately 19,000 gallons would require removal and disposal. Samples collected indicated pH range of 6 to 6.5, with high nickel content (>4000 ppm).

(d) Secure and dispose of gas cylinders located in the office and laboratory area. A preliminary inventory provided by RTP, indicated the presence of 22 cylinders; their contents including hydrogen sulfide and chlorine gas.

(e) The immediate transfer and/or disposal of approximately 129,000 gallons of liquids from tanks which were identified by AET as deteriorating to a point of possible leakage. The evaluation of tank conditions was not performed by Enviropact, and we assume no responsibility for the accuracy of this assessment. The tanks must also be triple rinsed before they can be dismantled and disposed of. The rinse water (approximately 25,000 gallons) will need to be disposed of accordingly.

(f) Cover lagoon area with liner in order to eliminate the percolation of rain water through sludge material in the lagoon.

2.3 SAMPLE COLLECTION

Samples collected throughout the site are identified on Figures 5 through 9, depending on the area sampled. Approximately 200 samples were collected across the site for various analyses.

2.3.1 CONTAINERIZED SOLID WASTE SAMPLES

Materials in areas A, C and D, found in either drums or crates, were sampled for metals analysis. These were collected

in plastic bags, using plastic or P.V.C. sampling equipment to remove material from the containers. Most of these materials were stored in lots. The sampling attempted to acquire a representative sample for each lot encountered. Where lot sizes were unclear, Enviropact personnel established physical boundaries for sampling purposes.

Materials in area A were badly weathered. Many drums and crates were collapsed, resulting in materials deposited on the ground. Samples A-1 through A-24e were collected in this area, (Figure 5).

Materials in area C were also badly weathered and discharging their contents directly to the ground. Samples C-15, C-16 and C-20 were collected in this are, (Figure 7).

Materials in area D were located throughout the Dice Building. The samples taken in this area displayed a greater variety in physical appearance (color, consistency, etc.). Many stacks of drums had toppled over, and many more gave the appearance that they could fall at any time. This situation made sampling very difficult and dangerous. Representative samples, by lot, were collected in area D, with some samples apparently representing raw materials (See Table 2). Samples D-1 through D-113 were collected in this area. (Figure 8)

2.3.2 WASTE PILE SAMPLES

Materials in areas B and C appear to have been landfilled from the Li Tungsten operation. These materials appear to differ by color and consistency for each pile. They also appear to be

different from the processed material predominant throughout areas A and D. A composite of each pile was made by collecting multiple surface samples of visually similar material.

Piles in area B were also sampled as previously described. Samples B-1 through B-7 were collected in this area. An area south of these samples, currently used to store old tanks and tank trucks, may also have been subjected to some landfilling. Sample B-10 was collected in this area. (Figure 6)

2.3.3 P.C.B. SAMPLES

Grab samples were collected throughout the site in those areas where P.C.B. contamination was thought to be a concern. All samples were collected in 40 ml. septum vials. Due to the age of the transformers on site, it was anticipated that they would contain P.C.B. Five samples, A-53, A-58, A-64, C-21 and D-99 were collected for P.C.B. analysis (Figures 5, 7 and 8). Additionally, a P.C.B. sample was collected from some open-head, 30 gallon drums located inside the Dice Building and the oil recovery sump to th west of the Dice Building.

2.3.4 VOLATILE ORGANICS SAMPLES

Grab samples were collected throughout the site in those areas where volatile organics contamination was thought to be a concern. All samples were collected in 40 ml. septum vials. A total of 26 samples were collected for VOC across the site. These include samples A-50 through A-63, A-8, B-9, B-10, C-1, C-5, C-11, C-12, C-18, C-19, C-21, D-9 and D-94. (See Figures 5

through 8.)

2.3.5 PRIORITY POLLUTANT SAMPLES

Grab samples were collected from four locations across the site (Figure 9). These sample locations were selected based on their ability to reflect potential contamination resulting from the facility's past activities. All samples were collected in glassware cleaned to E.P.A. specifications.

2.3.6 RADIOCHEMICAL SAMPLES

Three samples were composited from various waste containers in area A and area D to determine the radioactive potential of the wastes on site.

2.3.7 OUTFALL SAMPLES

Samples were collected at the east and west outfalls (004 and 005) entering Glen Cove Creek. Due to the inactivity of the outfalls themselves, sediment samples were collected directly below each outfall. A metal dredge was used to collect the organic samples and a PVC rod was used to collect the metal samples.

2.3.8 MISCELLANEOUS SAMPLES

Additional samples were collected throughout the site in areas of general concern, i.e., lagoons, drainage areas, etc.

3.0 DISCUSSION OF ANALYTICAL RESULTS

3.1 WASTE CHARACTERIZATION

The characterization of solid waste as hazardous was performed in accordance to R.C.R.A. definitions of the term "hazardous waste". According to this definition, any solid waste that is either ignitable, corrosive, reactive or toxic is considered hazardous. Each characteristic is defined in complex and comprehensive terms. Some substances are mentioned by name. Other materials are identified by the industrial process in which they are produced.

The actual rules are complicated and voluminous; in order to make the regulatory criteria specific, so that coverage is broad enough, but no broader than necessary to insure public safety and environmental protection. The present consensus within the regulatory community is that, where the regulators erred, they erred on the side of caution, resolving uncertainties in favor of inclusion rather than exclusion. Since the burden of finding out whether a material is covered by the definition falls solely on the regulated party, uncertainties have to be resolved according to applicable standards.

With regard to the solid material located on site, the determination of its potential hazardous nature was based on the results of the analysis for the 8 R.C.R.A. metals and the Extraction Procedure Toxicity (40CFR 261.24(a)). Toxicity has a special and very precise meaning in the context of characteristic

wastes. The regulations contain a list of fourteen substances which, if present in an extract of the materal sampled at threshold concentrations, render the entire waste stream subject to regulation as a hazardous waste. A list of the prominent metals and their thresholds is found below:

TABLE 7

MAXIMUM CONCENTRATION OF METAL CONTAMINANTS FOR CHARACTERISTIC OF E.P. TOXICITY

Arsenic	5.0 mg/l
Barium	100.0 mg/l
Cadmium	1.0 mg/l
Chromium	5.0 mg/l
Lead	5.0 mg/l
Mercury	0.2 mg/l
Selenium	1.0 mg/l
Silver	5.0 mg/l

The extraction procedure itself is intended to simulate landfill leaching under natural conditions. The analytical method for determining the concentrations of these metals- extraction procedure toxicity testing - is prescribed in the regulations. Other characteristics such as ignitability, corrosivity and reactivity do not apply to the solid material on site.

3.2 ANALYTICAL RESULTS

Final laboratory results for all samples analyzed can be fouind in Attachment 3. A summary of positive analytical results

can be found in Tables 1 through 4.

3.2.1 CONTAINERIZED SOLID WASTE ANALYSES

Due to the large quantities of containerized solid waste material on site, a major portion of the analytical effort was directed towards the characterization of these materials.

Forty-six samples were analyzed for the eight R.C.R.A. metals: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Although concentration for these metals varied; barium, lead and chromium were consistently higher than the other metals tested.

Due to the high E.P. Toxicity threshold set for barium, it was dropped from further consideration. An additional 30 samples were analyzed for lead and chromium to provide a 50% testing of all waste sampled. Eight of the samples demonostrating metal concentrations ranging from low to high were analyzed for E.P. toxicity. None of the containerized wastes sampled exceeded the E.P. toxic threshold concentrations set by R.C.R.A.

3.2.2 PILE WASTE ANALYSES

Waste piles from areas B and C were tested for prominent R.C.R.A. metals as previously described for the containerized waste. The lead concentrations in these samples were elevated, while chromium concentrations were lower. The E.P. toxicity analyses supported previous findings by meeting threshold concentrations for E.P. toxicity. However, one sample, C-7, had

an elevated E.P. Toxicity concentration for lead of 2.8 mg/l. Although this value is 56% of the threshold concentration for lead, it would support further E.P.toxicity testing on a lot by lot basis during actual site clean-up.

3.2.3 P.C.B. ANALYSES

The areas around three transformers were checked for P.C.B. contamination. The two transformers located in Area A (Sample 53a and Sample 58) showed no signs of contamination. The transformer stored in Area C (Sample C-21) displayed slight oil leakage to the soil, resulting in a positive P.C.B. of 21.9 ppm. From oils, one water sample and one oil sample were also checked for P.C.B. Sample A-64, the oil recovery sump along the west side of Area A, tested clean for P.C.B., while Sample D-99, collected from approximately 30 open-head, 30 gallon drums, contained P.C.B. at a concentration of 530 ppm.

3.2.4 VOLATILE ORGANIC ANALYSES

The majority of the 26 volatile organic samples analyzed tested clean (<10 ppb). The exceptions were Sample A-55, a small in-ground sump at the northwest corner of the East Building, which had low levels of chlorinated compounds. Sample A-56, water collected in an underground pit, also had low levels of chlorinated compounds. Sample C-12, collected from soils receiving drainage from a drum storage area, showed traces of tetrachloroethane. Overall, the surface soil and water samples collected across the site indicated very little contamination by

volatile organics.

3.2.5 PRIORITY POLLUTANT ANALYSES

The four samples collected for priority pollutant organics tested clean. Three of the four samples tested positive for BIS (2-Ethylhexyl) Phthalate, a common plasticizer often found in environmental samples and usually attributed to cross contamination from sampling equipment or laboratory preparation of samples.

The priority pollutant analysis confirmed the presence of metals previously identified in the processed solid waste. In addition to the R.C.R.A. metals, the priority analyses indicated high levels of copper, nickel and zinc. Although these metals are not used to characterize waste as hazardous they may be important, in determining the final criteria for site decontamination. All cyanide tested clean (<0.25 mg/kg). Total Phenol results were all positive, but in all cases below 0.1 mg/kg.

3.2.6 RADIOCHEMICAL ANALYSES

Three random grab samples were collected to estimate the radioactive potential of the waste material. All samples were analyzed for gross alpha, with results of 64, 114, and 251 Ci/g. The analytical procedure for gross alpha is qualitative and was used in determining health and safety protocol.

3.2.7 OUTFALL ANALYSES

Two sediment samples were collected below the outfalls and anlyzed for semivolatiles, nickel, chromium and lead. The analysis of samples collected from the east and west outfalls showed high lead concentrations of 58 ppm and 56 ppm, respectively.

PPb according to lab sheet

1-26-89

4.0 COST ESTIMATES

ESTIMATES FOR SOLIDS, LIQUIDS AND ADDITIONAL REMEDIAL

4.1 SOLIDS

Estimated cost for staging, transporting and disposal of solid material identified on site.

Area "A"	1,413 tons	(drums,crates and piles)
Area "B"	487 tons	(piles)
Area "B"	9,000 tons	(filled-in area)
Area "C"	493 tons	(drums and crates)
Area "C"	3,000 tons	(filled-in area)
Area "D"	2,382 tons	(drums,crates and piles)
Grand Total	16,775 tons	

SCENARIO - A

Based on preliminary laboratory E.P. Toxicity results, it would appear that the solid waste material can be disposed at an appropriate industrial landfill as non-hazardous waste. However, final characterization of all waste before disposal will need to be performed on a lot by lot basis, as non-hazardous material cost can range from $115/ton to $200/ton.

Estimated Cost $1,929,125 to $3,355,000

SCENARIO - B

Based on final solid waste characterization, 30% of solid waste is found to be hazardous while 70% is non-hazardous. Under this scenario hazardous waste would need to be disposed at a cost that can range from $225/ton to $260/ton.

Estimated Cost $2,482,700 to $3,656,950

SCENARIO - C

Filled areas are not removed based on approval of local and state agencies, and all remaining solid waste is non-hazardous.

Estimated Cost $664,125 to $1,155,000

4.2 LIQUIDS

Estimated cost for stagin, transporting and disposal of liquid materials in tanks (Table 5).

The cost estimate is based on inventory of tanks prepared by American Environment Technologies. The basic assumption is that the liquids in the tank are acid or caustic solution with a concentration of 10% by weight and a metal concentration of 5 g/l. Cost does not include disposal of anhydrous ammonia in tank 1302.

Total cost based on transportation/disposal of
311,130 gallons of concentrate liquid material $218,950
Includes transportation/disposal of approximately
40,000 gallons of rinse water.

4.3 ADDITIONAL REMEDIATION COSTS

In discovering additional remediation needs throughout the project, the following addresses the estimated costs associated with each remedial task. Due to the nature of each task, and the incomplete information available in some cases, we have made assumptions as a basis for the estimates. These assumptions may or may not be correct. Variations from these assumptions will affect the estimates.

4.3.1 LAB PACKS

The laboratory area at the Li Tungsten site has been divided into five areas and three sub-areas which contain laboratory chemicals and bulk chemicals (55 gallon drums). The estimated cost is based on labor, material and laboratory testing required to prepare material for shipment, and/or storage in a safe area. The estimated cost does not include the chemical storage area in the Dice building and does not include the removal of gas bottles

located in the laboratory. Two alternatives are presented for RTP's consideration:

a) Ship Ready Lab Packs
Labor and materials $49,185

b) Lab Packs Not Ship Ready
Labor and materials $32,000

4.3.2 OVERPACKS

Existing 55-gallon drums containing liquid product and/or waste will be overpacked. Cost estimate includes labor, materials and laboratory testing, but not disposal cost, and is based on a minimum of fifty overpacks. Additional overpacks will be charged at $145/drum. (The expected total quantity is 100.)

Cost Estimate $8,137.50

4.3.3 REMOVAL OF CONTAMINATED WATER

The Dice building and the East building both contain flooded floor areas. Based on the size of the flooded areas and the depth of the water, it was estimated that approximately 19,000 gallons of contaminated water will need to be collected by vacuum truck. Cost estimates include vacuum truck, extension hoses, demurrage, laboratory testing and disposal cost. Disposal of water in excess of the 19,000 gallons will be charged at $0.33/gal.

Cost Estimate $10,175.00

4.3.4 CAPPING OF LAGOONS

Two alternatives are presented for RTP's consideration.

(a) Alternative #1

Cover two small mud ponds and one large lined lagoon with liner (20 mil pvc Ultratech-uv stabilized liner). The life expectancy of this liner is one to two years. Areas demonstrating vegetation would be treated with approved herbicide and prepared for liner installation. If needed, 1/4" plywood could be used to insure that the vegetation does not break through liner. Cost estimates are based on material and labor.

With Plywood	$60,783
Without Plywood	$51,783

(b) Alternative #2

This alternative is preferred since it will initiate remediation of the area. The alternative would require moving the soil from the two small sand ponds to the large pond. Soil removal would be terminated based on laboratory results indicating that the soil is no longer contaminated with heavy metals. Once all material is transferred to the large lagoon, it would be covered with the liner. The soil cover is expected to limit any extensive growth of vegetation, which could perforate the liner. Cost estimate includes labor, earth moving equipment and materials.

Cost Estimate $46,777.00

4.3.5 GAS CYLINDER DISPOSAL

In quoting the removal of 22 gas cylinders, the following assumptions were made. The type of gas is either sulfur dioxide, chlorine, anhydrous ammonia, or hydrogen sulfide. The size of the units are 12 standard units, 10 1/2 standard size. The cylinders are not leaking at the time of packaging and are not severely corroded. Price includes labor, transportation, and disposal for 22 cylinders as described:

Cost Estimate	$18,654.00

4.3.6 EMERGENCY TANK LIQUID REMOVAL

Another contractor determined that 129,550 gallons of concentrate, and 25,000 gallons of rinse water need to be disposed of immediately. The quotation does not include any removal, transportation or disposal of anhydrous ammonia. The basic assumption is that liquids present are acidic or caustic solutions with a concentration of 10% by weight with a metal concentration of 5 g/l. This does not apply to the following tanks: underground Tank A, underground Tank B, Tank 35, and Tank 36. All oils must be tested for P.C.B. P.C.B. concentrations cannot be higher than 25 ppm.

Task Cost	
Transportation/Disposal	
129,550 gallons of concentrate	$84,490.00
25,000 gallons of rinse water	

Costs have been developed individually. Implementation of all remedial actions may reduce some of the labor cost. Cost estimates are good for forty-five days commencing April 21, 1988. Payments will be due net 15 days and one-third of total cost will be required upon job start-up date.

TABLES

Footnotes for Tables 1-4:

1. Letters in parenthesis under the ANALYTICAL RESULTS column indicate the approximate concentrations at which the substance was found:

   (a) less than 100 ppm
   (b) greater than 100 ppm and less than 499 ppm
   (c) greater than 499 ppm and less than 1000 ppm
   (d) greater than 1000 ppm

2. Volume estimates are based upon surveyed dimensions or rough volume approximations.

TABLE 2

AREA "D"

TOTAL QUANTITY OF SOLID MATERIAL AND ANALYTICAL RESULTS

AREAS	ESTIMATED CUBIC YARDS	ESTIMATED TONS	ANALYTICAL RESULTS
D-1	3.72	5.6	Ba(c),Cr(b),Pb(b)Cd(a)
D-2,3&4	2.16	3.2	
D-5	9.97	14.9	Ba(d),Cd(a),Cr(b),Pb(b)
D-6	28.05	42.1	
D-7	12.94	19.4	Cr(a),Pb(d),Ba(a)
D-8	16.85	25.3	Ba(c)Cr(b),Pb(b),Cd(a)
D-9	3.23	4.8	
D-10	5.23	7.8	Ba(b),Cd(a),Cr(d),Pb(b)
D-11	2.7	4.0	
D-12*	17.64	26.5	Pb(b),Ag(c)
D-13	19.11	28.7	
D-14(3)*	24.97	37.5	Ba(b),Cd(a),Cr(d),Pb(d)
D-15	10.46	15.7	Ba(a),Cd(a),Cr(b),Pb(b)
D-16	13.20	19.8	
D-17	4.52	6.8	
D-18	6.68	10.0	
D-19	2.65	4.0	pH 5.0 Cd(a)
D-20	5.39	8.1	
D-21	8.89	13.3	
D-22	14.55	21.8	Ag(b),Ba(a),Cr(a),Cd(a),Pb(b)
D-23	3.97	5.9	
D-24	9.16	13.7	Cr(a),Pb(b),Ag(a)
D-25	0.54	0.8	
D-26	5.78	8.7	
D-27	1.03	1.5	
D-28	5.66	8.5	
D-29	6.02	9.0	
D-30	5.78	8.7	
D-31	10.65	16.0	Cr(b),Pb(b)
D-32	7.37	11.0	
D-33			
D-34,35	0.34	0.5	Ba(a),Cd(a),Cr(b),Pb(b)
D-36	7.47	11.2	
D-37	16.03	24.0	Cr(b),Pb(b)
D-38	0.59	0.9	
D-39	16.27	24.4	
D-40	30.11	45.2	

(3) Pile measuring approximately 15' x 15' x 3'

TABLE 2 (continued)

AREA "D" (CONTINUED)

AREAS	ESTIMATED CUBIC YARDS	ESTIMATED TONS	ANALYTICAL RESULTS
D-41	23.96	35.9	
D-42	48.02	72.03	Ba(b),Cd(a),Cr(b),Pb(c)
D-43	22.75	34.13	Pb(a)
D-44	35.18	52.8	Cr(a),Pb(b)
D-45	19.67	29.5	
D-46	23.22	34.8	
D-47	4.8	7.2	
D-48	To be removed by Li Tungsten per Bob		
D-49	" " "	" "	"
D-50	8.42	12.6	
D-51*	7.1	10.7	Ba(b),Cd(a),Cr(b),Pb(d)
D-52	30.35	45.5	Ba(b),Cd(a),Cr(b),Pb(a)
D-53	23.72	35.6	As(a)
D-54	7.64	11.5	
D-55	29.52	44.3	Ba(a),Pb(a)
D-56	16.81	25.2	Ba(a)
D-57	6.19	9.3	
D-58	5.82	8.7	
D-59	13.06	19.6	Cr(a),Pb(a)
D-60	11.76	17.6	
D-61	23.44	35.2	
D-62	14.11	21.2	pH 6.7 Pb(a)
D-63	35.28	52.9	Cr(b),
D-64	16.22	24.3	Cr(a), Pb(a)
D-65	28.98	43.5	
D-66	Will be removed		Cr(a)
D-67	7.69	11.5	
D-68	21.13	31.7	
D-69	8.0	12.0	
D-70	2.32	3.5	Cr(a)
D-71	46.53	69.8	Ba(a)
D-72	Carbon Black will be removed		
D-73	20.0	30.0	
D-74	5.12	7.7	
D-75	2.94	4.4	
D-76	14.55	21.8	
D-77	6.19	9.3	
D-78	17.19	25.8	Cr(a),Pb(b)
D-79*	14.38	21.6	Cd(b),Pb(b)
D-80	24.5	36.7	Cr(a),Pb(a)

TABLE 2 (continued)

AREA "D" (CONTINUED)

AREAS	ESTIMATED CUBIC YARDS	ESTIMATED TONS	ANALYTICAL RESULTS
D-81	71.21	106.8	
D-82	16.71	25.1	
D-83	Carbon Black will be removed		Ag(a)
D-84	30.62	45.9	Cr(a),Pb(b)
D-85	Misc. boxes with equipment will be removed		
D-86	40.0	60.0	
D-87	18.73	28.1	
D-88	18.32	27.5	Ag(a),Ba(b),Cd(a),Cr(d),Pb(b)
D-89	9.7	14.5	Pb(a)
D-90	36.16	54.2	Cr(a),Pb(a)
D-91	28.73	43.1	Cd(b),Pb(b),Cr(a)
D-92	21.17	31.7	Cr(a),Pb(a)
D-93(Rep.)	35.28	52.9	Cr(a),Pb(a)
D-94	33.98	50.9	Cr(a),Pb(a)
D-95	5.12	7.7	Cr(a)
D-96	28.31	42.5	
D-97	6.74	10.1	
D-98	11.23	16.8	
D-99	Drums contain oils. Need to be repacked and disposed		
D-100	8.2	12.3	Pb(a)
D-101	3.53	5.3	Cd(a)
D-102	Sodium sulfide will be removed by owner		
D-103	15.09	22.6	
D-104	25.87	38.8	Cr(a),Pb(c)
D-105	29.05	43.6	Cr(a),Pb(d)
D-106	18.05	27.1	Pb(a)
D-107	12.45	18.7	
D-108	3.69	5.5	
D-109	22.0	33.0	Cr(a),Pb(d)
D-110	10.55	15.8	Pb(a),
D-111	21.82	32.7	Cr(a)
D-112	14.82	22.2	Ag(b),Ba(c),Cd(a),Cr(b),Pb(d)
D-113	3.23	4.85	Pb(c),Cr(a)

TABLE 3

AREA "B"

TOTAL QUANITY OF SOLID MATERIALS AND ANALYTICAL RESULTS

AREAS	CUBIC YARDS	TONS	ANALYTICAL RESULTS
Landfill	6000.00	9000.0	
B-1			Cr(a),Pb(c)
B-2			Cr(a),Pb(a)
B-3	165.0		Pb(a),Pr(a)
B-4			Pb(c),Cr(a)
B-5			Pb(a),Cr(b)
B-6	80.0		Pb(b),Cr(a)
B-7	80.0		Pb(c),Cr(a)
B-9			Pb(a),Cr(a)
B-10			Cr(a),Pb(b)

TABLE 4

AREA "C"

TOTAL QUANTITY OF SOLID MATERIAL AND ANALYTICAL RESULTS

AREAS	ESTIMATED CUBIC YARDS	ESTIMATED TONS	ANALYTICAL RESULTS
C-15	39.85	59.8	Cr(a),Pb(b)
C-16	238.50	357.8	Cr(a),Pb(a)
C-20	50.69	76.0	Pb(a),Cr(a)
Land Fill Area	2000.00	3000.0	
C-2			Cr(a),Pb(b)
C-3			CR(a),Pb(b)
C-4			Cr(a),Pb(a)
C-6			Pb(c)
C-7			Pb(a),Cr(a)
C-8			P(b),Cr(a)
C-9			Pb(b),Cr(a)
C-11			Pb(a),Cr(a)
C-12			Pb(a),Cr(a)
C-13			Pb(a),Cr(a)
C-14			Pb(c),Cr(a)
C-15			Cr(a),Pb(b)
C-16			Pb(a),Cr(a)
C-17		Ag<.5	Pb(b),Cr(a)
C-18			Pr(a),Pb(a)
C-19			Pb(d),Cr(a)
C-20			Cr(a),Pb(a)
C-22		(CN <1)	Pb(d),Cr(a)

TABLE 5

TANK QUANTITIES AND CONTENTS

CONTENTS	TANK #'S	GALLONS
NH4WO4	L9-E	unknown
APT Mother Liquid	L-6, L-5	15,000
ACR Leachate Sol.	L-13A, L-13B, 246	27,000
Water	L550, L550-A, 1332, 244	19,500
Spent Hcl. Acid	233, 231, 232, 1213-1. 1213-2, 1334	48,250 min
Aqua NH3	235, 1302	3,700 est
Water $ Sheelite	1333	5,500 est
FM Residue	245	15,000
NH3 Solution	1306, 1307, 1308	unknown
ACR Residue	1336	4,500
PD Residue	248	2,500
PD Leachate Sol.	249	23,000
NaOh Solution	242, 35	3,100 est
Stathetic Sheelite	262, 263, 264, 265, 266	280 min
Tungsten Acid	285	unknown
PD Solution & Residue	287, 56, 58	13,000
CaC12	36	2,000
Cobalt Chloride	M-4	1,800
Sodium Tungstate	M-11, K-1, K-2, K-3, K-4, K-6	46,000
NF Residue	K-5, K-7	6,500
Cobalt Sulfate	C-3, C-4, C-5, C-7, C-10, C-11, C-12, C-13	25,200
Water & Lime Mixer	237	8,500

TANK QUANTITIES AND CONTENTS continued

Miscellaneous Items

Unknown Solid	L611, L-568	3,000
Sol. & precipitation from neutraliz.	1328	dirt..8,000
Unknown	1340	2,200
Residue & Leach.	M-1	500
Unknown	M-2	1,100
Unknown	M-5	1,800
Unknown	K-9	7,000
Unknown	W-2	600
Unknown	W-3	12,000
Unknown	832	2,000
Unknown	C-6	700
Unknown	C-14	3,000

Current Quantities Unknown in the Following

1330 (Lime Silo), L-8, L-9A, L-9B, L-9C, L-11, L-9R2, 32, 33, W-1, W-4, 1*, 2*, 3*, 4*, 5*, 6*, 16*, 18*, 20, 21, 24, 25, 26, 78*, C, D, the Water Reservoir and the Oil Change Pit.

Tanks with Unknown Capacities, Contents & Current Capacities.

9, 17*, 19*, 41, 56, 57, 58, 59, 59A, 79*, 80*, 83, 84, 85, 86, 89A, 120, 121, 255, 268, 269, 270, 274, 286, 1342, 1343, 616, 620, 667*, 1303, 1337, 1338, 1339, P-1, A, B, L-101* & K-8.

* = Unable to open.

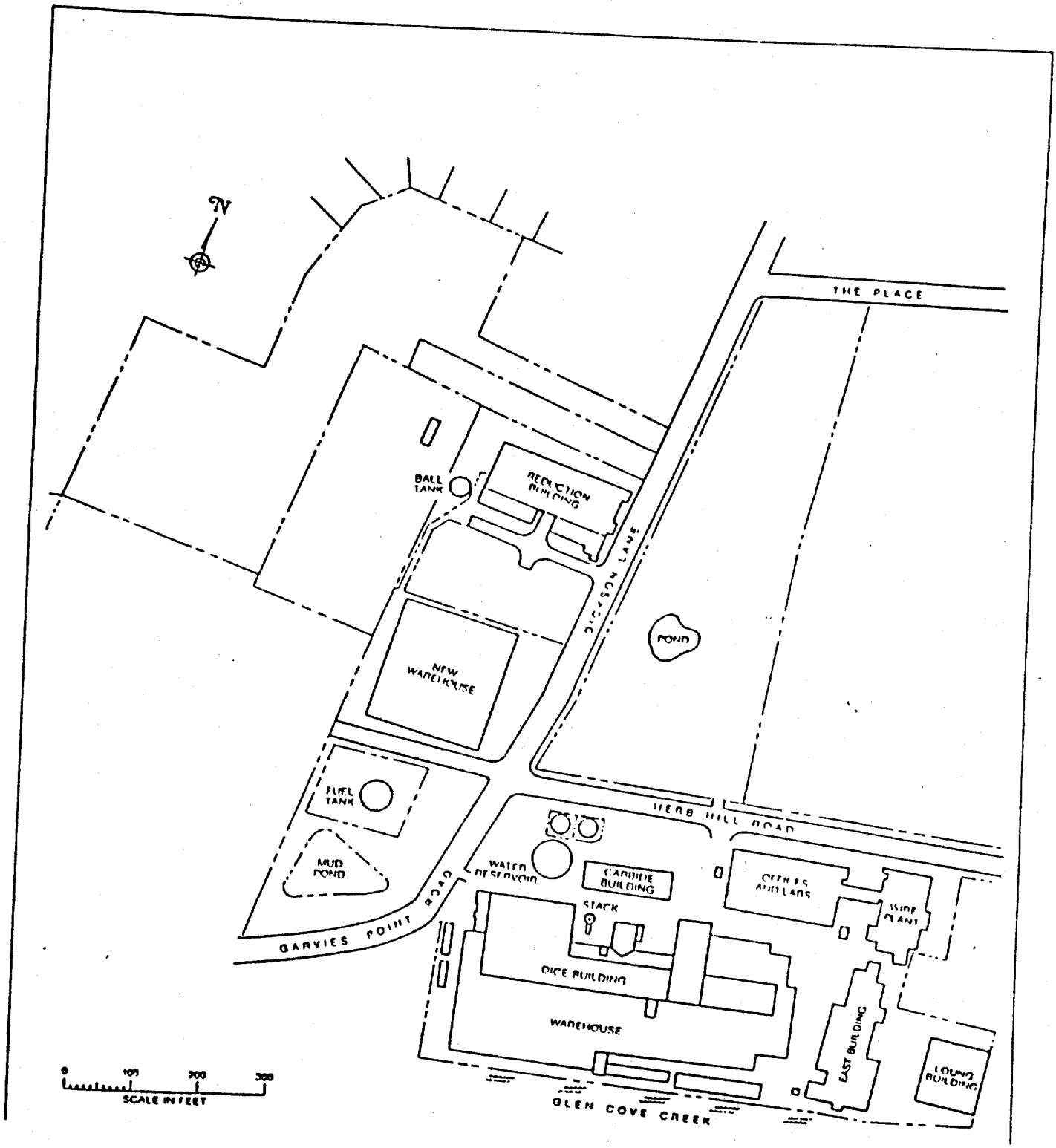
TABLE 6

QUANTITIES & LOCATIONS OF DRUMS CONTAINING LIQUIDS

AREA	QUANTITY
A-50	4 DRUMS
A-56	7 DRUMS
A-57	6 DRUMS
A-8	35 DRUMS
A-10	8 DRUMS
A-14	2 DRUMS
A-24	2 DRUMS

INSIDE THE DICE BUILDING

AREA	QUANTITY
111	4 DRUMS
91	3 DRUMS
40	6 DRUMS
47	2 DRUMS
84	1 DRUM
60	3 DRUMS
55	1 DRUM
54	6 DRUMS
Between 32 & 33	11 DRUMS
99	30 30 GAL. DRUMS



ENVIROPACT

TITLE: SITE MAP

SCALE: N/A

DRAWN BY: RTP

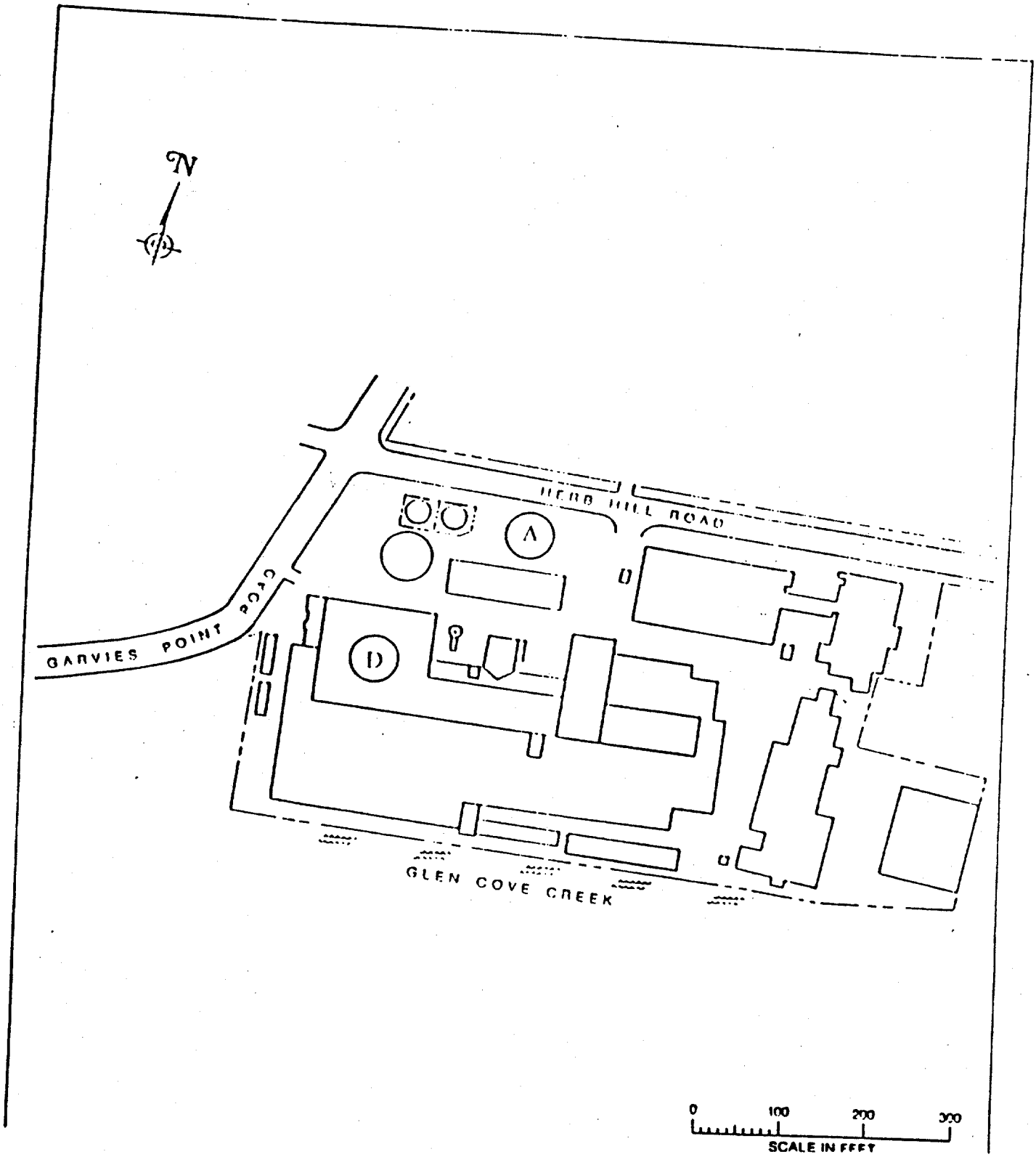
DATE: 4/25/88

PROJECT #4190-01

REVISED: -

DRAWING # 1

101276



ENVIROPACT

TITLE: AREA A & D

SCALE: N/A

DRAWN BY: RTP

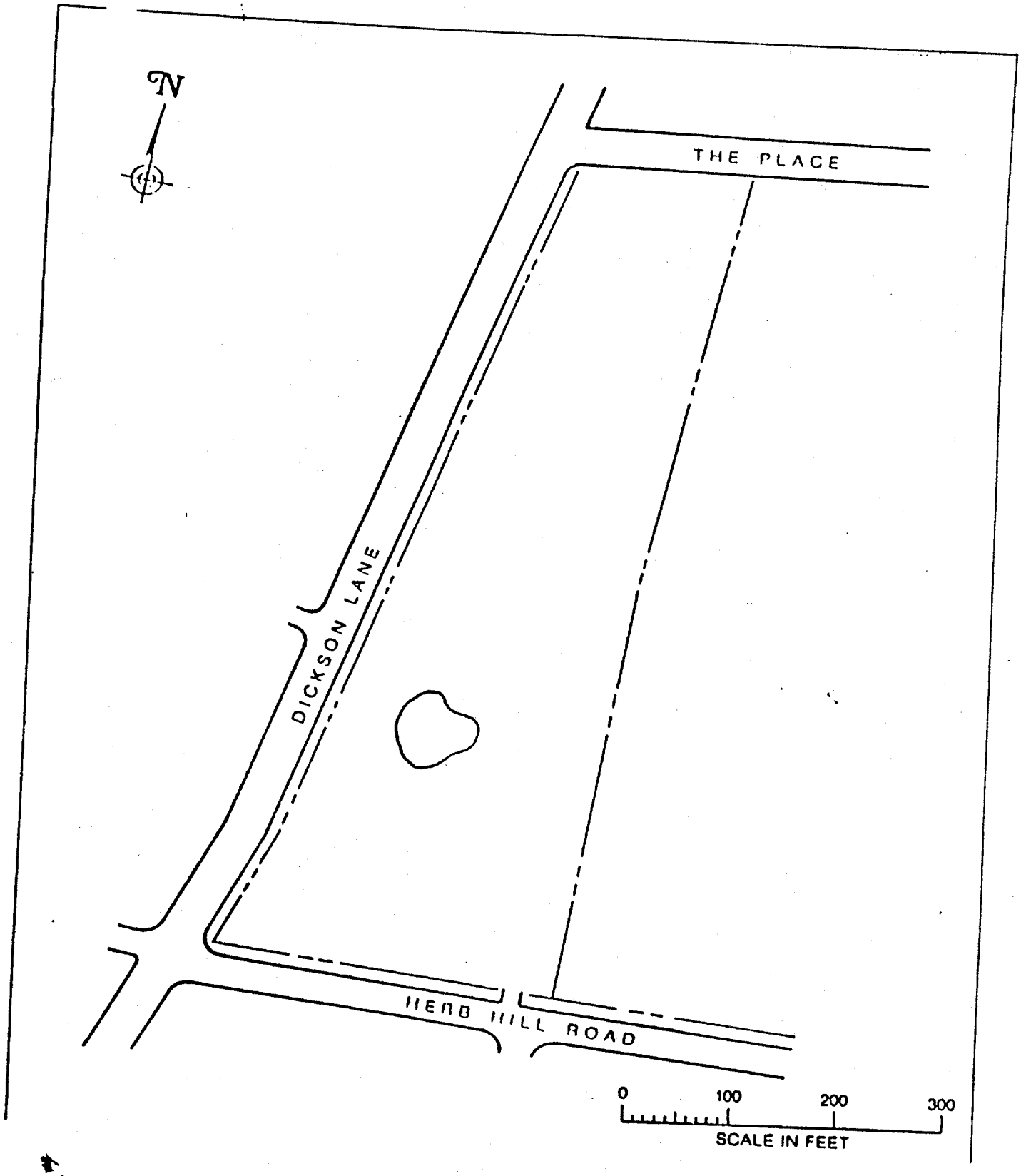
DATE: 4/25/88

PROJECT 4190-01

REVISED: -

DRAWING #2

101277



ENVIROPACT

TITLE: AREA B

SCALE: N/A

DATE: 4/25/88

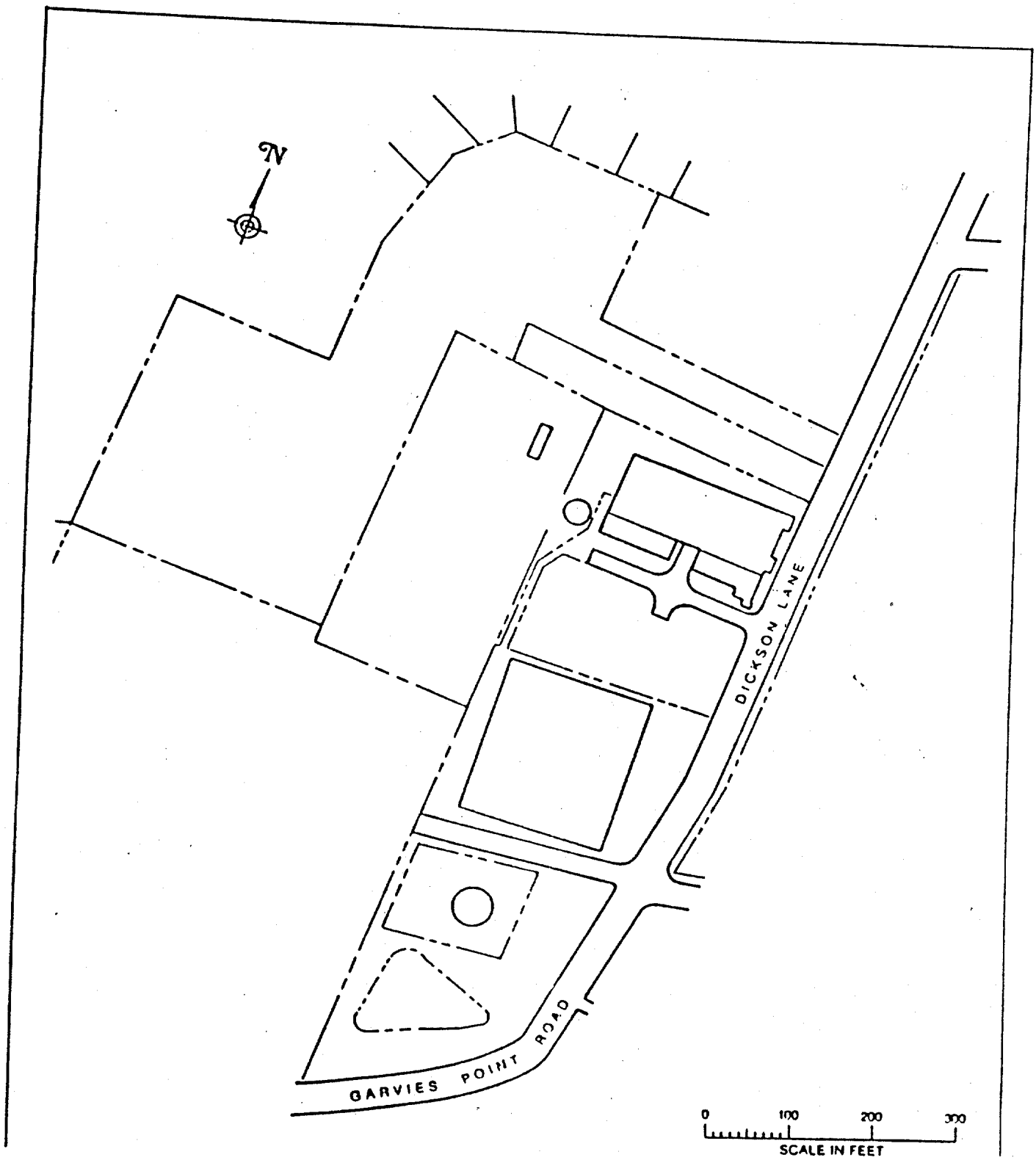
REVISED: -

DRAWN BY: RTP

PROJECT 4190-01

DRAWING # 3

101278



ENVIROTACT

TITLE: AREA C

SCALE: N/A

DRAWN BY: RTP

DATE: 4/25/88

PROJECT 4190-01

REVISED: -

DRAWING #4

101279

ANALYTICAL RESULTS

FOR

FIRST ROUND METALS

ENVIROPACT

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB I.D. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-1		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	120	ppm	4/07/88
CADMIUM	1.5	ppm	4/06/88
CHROMIUM, TOTAL	49	ppm	4/07/88
LEAD	88	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	< 1	ppm	4/06/88

101281

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-3

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	155	ppm	4/07/88
CADMIUM	8.4	ppm	4/06/88
CHROMIUM, TOTAL	48	ppm	4/07/88
LEAD	4,735	ppm	4/06/88
MERCURY	2.4	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.3	ppm	4/06/88

101282

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-5

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/8
BARIUM	189	ppm	4/07/
CADMIUM	< 1	ppm	4/06/
CHROMIUM, TOTAL	5.1	ppm	4/07/
LEAD	19	ppm	4/06/
MERCURY	< 0.1	ppm	4/08/
SELENIUM	< 0.5	ppm	4/13/8
SILVER	2.3	ppm	4/06/

101283

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-9A		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	111	ppm	4/07/88
CADMIUM	12	ppm	4/06/88
CHROMIUM, TOTAL	83	ppm	4/07/88
LEAD	372	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.4	ppm	4/06/88

101284

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-9C		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	226	ppm	4/07/88
CADMIUM	7.0	ppm	4/06/88
CHROMIUM, TOTAL	124	ppm	4/07/88
CYANIDE, TOTAL	< 1	ppm	4/06/88
LEAD	162	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.7	ppm	4/06/88

101285

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-12B

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	131	ppm	4/07/88
CADMIUM	15	ppm	4/06/88
CHROMIUM, TOTAL	83	ppm	4/07/88
LEAD	214	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.6	ppm	4/06/88

101286

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pentoumis
Michael Pentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-12D

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	99	ppm	4/07/88
CADMIUM	18	ppm	4/06/88
CHROMIUM, TOTAL	85	ppm	4/07/88
LEAD	434	ppm	4/06/88
MERCURY	0.11	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.6	ppm	4/06/88

101287

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-13

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	100	ppm	4/07/88
CADMIUM	8.8	ppm	4/06/88
CHROMIUM, TOTAL	66	ppm	4/07/88
LEAD	245	ppm	4/06/88
MERCURY	0.24	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.8	ppm	4/06/88

101288

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
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April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-16

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	618	ppm	4/07/88
CADMIUM	4.3	ppm	4/06/88
CHROMIUM, TOTAL	47	ppm	4/07/88
LEAD	202	ppm	4/06/88
MERCURY	0.11	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.6	ppm	4/06/88

101289

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-18

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	867	ppm	4/07/88
CADMIUM	8.9	ppm	4/06/88
CHROMIUM, TOTAL	229	ppm	4/07/88
CYANIDE, TOTAL	< 1	ppm	4/06/88
LEAD	234	ppm	4/06/88
MERCURY	0.38	ppm	4/08/88
pH	8.9		4/06/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	2.1	ppm	4/06/88

101290

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-24B

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	344	ppm	4/07/88
CADMIUM	1.9	ppm	4/06/88
CHROMIUM, TOTAL	57	ppm	4/07/88
LEAD	442	ppm	4/06/88
MERCURY	0.11	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	3.0	ppm	4/06/88

101291

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-24D

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	126	ppm	4/07/88
CADMIUM	3.0	ppm	4/06/88
CHROMIUM, TOTAL	24	ppm	4/07/88
LEAD	146	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.2	ppm	4/06/88

101292

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-1		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	1,059	ppm	4/07/88
CADMIUM	64	ppm	4/06/88
CHROMIUM, TOTAL	294	ppm	4/07/88
LEAD	434	ppm	4/06/88
MERCURY	0.11	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	2.3	ppm	4/06/88

101293

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description:4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-5		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	1,238	ppm	4/07/88
CADMIUM	45	ppm	4/06/88
CHROMIUM, TOTAL	191	ppm	4/07/88
LEAD	362	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.3	ppm	4/06/88

101294

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-8		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	581	ppm	4/07/88
CADMIUM	50	ppm	4/06/88
CHROMIUM, TOTAL	320	ppm	4/07/88
CYANIDE, TOTAL	< 1	ppm	4/06/88
LEAD	184	ppm	4/06/88
MERCURY	0.91	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.2	ppm	4/06/88

101295

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

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April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-10

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	308	ppm	4/07/88
CADMIUM	28	ppm	4/06/88
CHROMIUM, TOTAL	1,224	ppm	4/07/88
LEAD	131	ppm	4/06/88
MERCURY	0.68	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.2	ppm	4/06/88

101296

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
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OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-12

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	1.3	ppm	4/07/88
CADMIUM	9.2	ppm	4/06/88
CHROMIUM, TOTAL	19	ppm	4/07/88
LEAD	180	ppm	4/06/88
MERCURY	0.13	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	580	ppm	4/06/88

101297

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-14

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	271	ppm	4/07/88
CADMIUM	64	ppm	4/06/88
CHROMIUM, TOTAL	2,980	ppm	4/07/88
LEAD	137	ppm	4/06/88
MERCURY	1.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	4.4	ppm	4/06/88

101298

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-15

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	56	ppm	4/07/88
CADMIUM	10	ppm	4/06/88
CHROMIUM, TOTAL	253	ppm	4/07/88
LEAD	198	ppm	4/06/88
MERCURY	1.0	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.0	ppm	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101299

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-19

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	1.8	ppm	4/07/88
CADMIUM	9.2	ppm	4/06/88
CHROMIUM, TOTAL	3.2	ppm	4/07/88
CYANIDE, TOTAL	< 1	ppm	4/06/88
LEAD	3.0	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
pH	5.0		4/06/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	< 1	ppm	4/06/88

101300

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-22

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	30	ppm	4/07/88
CADMIUM	14	ppm	4/06/88
CHROMIUM, TOTAL	39	ppm	4/07/88
LEAD	317	ppm	4/06/88
MERCURY	0.20	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	300	ppm	4/06/88

101301

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-34

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	85	ppm	4/07/88
CADMIUM	7.3	ppm	4/06/88
CHROMIUM, TOTAL	221	ppm	4/07/88
LEAD	233	ppm	4/06/88
MERCURY	1.4	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.8	ppm	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101302

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-42		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	463	ppm	4/07/88
CADMIUM	11	ppm	4/06/88
CHROMIUM, TOTAL	199	ppm	4/07/88
LEAD	970	ppm	4/06/88
MERCURY	0.22	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	2.0	ppm	4/06/88

101303

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-43

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	2.2	ppm	4/07/88
CADMIUM	< 1	ppm	4/06/88
CHROMIUM, TOTAL	3.2	ppm	4/07/88
LEAD	12	ppm	4/06/88
MERCURY	0.11	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.7	ppm	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

101304

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-51

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	101	ppm	4/07/88
CADMIUM	17	ppm	4/06/88
CHROMIUM, TOTAL	143	ppm	4/07/88
CYANIDE, TOTAL	< 1	ppm	4/06/88
LEAD	6,391	ppm	4/06/88
MERCURY	8.8	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	2.3	ppm	4/06/88

101305

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
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OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-52

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	125	ppm	4/07/88
CADMIUM	18	ppm	4/06/88
CHROMIUM, TOTAL	197	ppm	4/07/88
LEAD	56	ppm	4/06/88
MERCURY	0.11	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	2.3	ppm	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

101306

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-53

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	< 1	ppm	4/07/88
CADMIUM	< 1	ppm	4/06/88
CHROMIUM, TOTAL	< 1	ppm	4/07/88
LEAD	< 1	ppm	4/06/88
MERCURY	0.11	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	< 1	ppm	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101307

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-55		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	83	ppm	4/07/88
CADMIUM	< 1	ppm	4/06/88
CHROMIUM, TOTAL	1.2	ppm	4/07/88
LEAD	55	ppm	4/06/88
MERCURY	0.12	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	3.3	ppm	4/06/88

101308

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
63 BARRY LANE EAST
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April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-56

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	1.8	ppm	4/07/88
CADMIUM	< 1	ppm	4/06/88
CHROMIUM, TOTAL	< 1	ppm	4/07/88
LEAD	< 1	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.5	ppm	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101309

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-62		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	< 1	ppm	4/07/88
CADMIUM	< 1	ppm	4/06/88
CHROMIUM, TOTAL	< 1	ppm	4/07/88
CYANIDE, TOTAL	< 1	ppm	4/06/88
LEAD	< 1	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
pH	6.7		4/06/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	< 1	ppm	4/06/88

101310

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact S...

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-63

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	7.6	ppm	4/07/88
CADMIUM	< 1	ppm	4/06/88
CHROMIUM, TOTAL	232	ppm	4/07/88
LEAD	2.4	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	2.7	ppm	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101311

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-66

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	63	ppm	4/07/88
CADMIUM	16	ppm	4/06/88
CHROMIUM, TOTAL	72	ppm	4/07/88
LEAD	43	ppm	4/06/88
MERCURY	0.58	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	2.4	ppm	4/06/88

101312

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-70

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	4.1	ppm	4/07/88
CADMIUM	< 1	ppm	4/06/88
CHROMIUM, TOTAL	26	ppm	4/07/88
LEAD	< 1	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.6	ppm	4/06/88

101313

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-71

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	39	ppm	4/07/88
CADMIUM	< 1	ppm	4/06/88
CHROMIUM, TOTAL	14	ppm	4/07/88
LEAD	20	ppm	4/06/88
MERCURY	0.57	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.0	ppm	4/06/88

101314

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-79

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	2.8	ppm	4/07/88
CADMIUM	130	ppm	4/06/88
CHROMIUM, TOTAL	4.1	ppm	4/07/88
CYANIDE, TOTAL	< 1	ppm	4/06/88
LEAD	42	ppm	4/06/88
MERCURY	0.61	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	4.5	ppm	4/06/88

101315

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-83

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	1.7	ppm	4/07/88
CADMIUM	< 1	ppm	4/06/88
CHROMIUM, TOTAL	< 1	ppm	4/07/88
LEAD	< 1	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.4	ppm	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101316

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-88		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	450	ppm	4/07/88
CADMIUM	47	ppm	4/06/88
CHROMIUM, TOTAL	1,195	ppm	4/07/88
LEAD	169	ppm	4/06/88
MERCURY	0.21	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	45	ppm	4/06/88

101317

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-89

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	3.3	ppm	4/07/88
CADMIUM	18	ppm	4/06/88
CHROMIUM, TOTAL	3.3	ppm	4/07/88
LEAD	23	ppm	4/06/88
MERCURY	0.11	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	3.5	ppm	4/06/88

101318

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 P.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-91		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	2.6	ppm	4/07/88
CADMIUM	122	ppm	4/06/88
CHROMIUM, TOTAL	21	ppm	4/07/88
LEAD	392	ppm	4/06/88
MERCURY	6.4	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.6	ppm	4/06/88

101319

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 P.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-93

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	5.2	ppm	4/07/88
CADMIUM	36	ppm	4/06/88
CHROMIUM, TOTAL	3.2	ppm	4/07/88
CYANIDE, TOTAL	< 1	ppm	4/06/88
LEAD	24	ppm	4/06/88
MERCURY	3.9	ppm	4/08/88
pH	5.4		4/06/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.6	ppm	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101320

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-95		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	8.9	ppm	4/07/88
CADMIUM	1.1	ppm	4/06/88
CHROMIUM, TOTAL	25	ppm	4/07/88
LEAD	14	ppm	4/06/88
MERCURY	0.41	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	1.4	ppm	4/06/88

101321

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-100		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	22	ppm	4/07/88
CADMIUM	2.1	ppm	4/06/88
CHROMIUM, TOTAL	1.3	ppm	4/07/88
LEAD	35	ppm	4/06/88
MERCURY	1.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	< 1	ppm	4/06/88

101322

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-101		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	3.3	ppm	4/07/88
CADMIUM	38	ppm	4/06/88
CHROMIUM, TOTAL	9.3	ppm	4/07/88
LEAD	20	ppm	4/06/88
MERCURY	0.21	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	< 1	ppm	4/06/88

101323

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor, MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-106

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	20	ppm	4/07/88
CADMIUM	3.0	ppm	4/06/88
CHROMIUM, TOTAL	7.8	ppm	4/07/88
LEAD	86	ppm	4/06/88
MERCURY	3.2	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	< 1	ppm	4/06/88

101324

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-110

		UNITS	DATE
ARSENIC	< 0.5	ppm	4/13/88
BARIUM	3.9	ppm	4/07/88
CADMIUM	21	ppm	4/06/88
CHROMIUM, TOTAL	31	ppm	4/07/88
CYANIDE, TOTAL	< 1	ppm	4/06/88
LEAD	45	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	< 1	ppm	4/06/88

101325

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-111		UNITS	DATE
ARSENIC	< 0.5	ppm	4/14/88
BARIUM	< 1	ppm	4/07/88
CADMIUM	< 1	ppm	4/06/88
CHROMIUM, TOTAL	6.0	ppm	4/07/88
LEAD	< 1	ppm	4/06/88
MERCURY	< 0.1	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	5.8	ppm	4/06/88

101326

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25328
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 4/04/88
Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-112		UNITS	DATE
ARSENIC	< 0.5	ppm	4/14/88
BARIUM	615	ppm	4/07/88
CADMIUM	43	ppm	4/06/88
CHROMIUM, TOTAL	133	ppm	4/07/88
LEAD	2,700	ppm	4/06/88
MERCURY	0.13	ppm	4/08/88
SELENIUM	< 0.5	ppm	4/13/88
SILVER	170	ppm	4/06/88

101327

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

ANALYTICAL RESULTS

FOR

PROMINENT METALS

ENVIROPACT

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB I.D. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-19

		UNITS	DATE
CHROMIUM, TOTAL	4.3	ppm	4/25/88
LEAD	3,500	ppm	4/26/88

101329

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

ENVIROPACT SERVICES INC
MIAMI DIVISION
4700 N.W. 157th STREET
MIAMI, FL 33014-6421
305 620 1700

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-20

		UNITS	DATE
CHROMIUM, TOTAL	19	ppm	4/25/88
LEAD	76	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101330

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-22

		UNITS	DATE
CHROMIUM, TOTAL	1.0	ppm	4/25/88
CYANIDE, TOTAL	< 1	ppm	4/25/88
LEAD	5,028	ppm	4/26/88

101331

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-2

		UNITS	DATE
LEAD	300	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101332

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-4

		UNITS	DATE
CADMIUM	3.1	ppm	4/26/88
CHROMIUM, TOTAL	15	ppm	4/25/88
LEAD	908	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101333

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-7 (BLACK SOIL)

		UNITS	DATE
CHROMIUM, TOTAL	251	ppm	4/25/88
LEAD	644	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101334

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-10

		UNITS	DATE
CHROMIUM, TOTAL	27	ppm	4/25/88
LEAD	112	ppm	4/26/88

101335

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-11

		UNITS	DATE
CHROMIUM, TOTAL	41	ppm	4/25/88
LEAD	451	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101336

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-12-A

		UNITS	DATE
CHROMIUM, TOTAL	47	ppm	4/25/88
LEAD	220	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101337

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-12-C

		UNITS	DATE
CHROMIUM, TOTAL	18	ppm	4/25/88
LEAD	633	ppm	4/26/88

101338

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
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April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-19

		UNITS	DATE
CHROMIUM, TOTAL	3.9	ppm	4/25/88
LEAD	13	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101339

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : A-24-A		UNITS	DATE
CHROMIUM, TOTAL	23	ppm	4/25/88
LEAD	168	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101340

2533
NVIROPACT NORTHEAST
540 PALMER ROAD
ONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

TT : MR. UGO P. PERZAN
ample Collected: 3/28/88
mple Received: 3/28/88 Collected By: YOUR REP.
mple Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

PORT OF ANALYSIS : A-24-C		UNITS	DATE
OMIUM, TOTAL	37	ppm	4/25/88
D	112	ppm	4/26/88

performed in accordance with E.P.A., A.S.T.M., Standard
r other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101341

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-7

		UNITS	DATE
BARIUM	7.8	ppm	4/26/88
CHROMIUM, TOTAL	45	ppm	4/25/88
LEAD	5,356	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101342

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-24

		UNITS	DATE
CHROMIUM, TOTAL	40	ppm	4/25/88
LEAD	171	ppm	4/26/88
SILVER	1.6	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101343

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : D-31		UNITS	DATE
CHROMIUM, TOTAL	311	ppm	4/25/88
LEAD	388	ppm	4/26/88

101344

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ACT NORTHEAST
MER ROAD
, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

. UGO P. PERZAN
Collected: 3/28/88
Received: 3/28/88 Collected By: YOUR REP.
scription:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

ANALYSIS : D-37		UNITS	DATE
TOTAL	114	ppm	4/25/88
	400	ppm	4/26/88

in accordance with E.P.A., A.S.T.M., Standard
pproved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : D-44		UNITS	DATE
CHROMIUM, TOTAL	36	ppm	4/25/88
LEAD	418	ppm	4/26/88

101346

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : D-59		UNITS	DATE
CHROMIUM, TOTAL	43	ppm	4/25/88
LEAD	33	ppm	4/26/88

s performed in accordance with E.P.A., A.S.T.M., Standard
s or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-64

		UNITS	DATE
CHROMIUM, TOTAL	10	ppm	4/25/88
LEAD	14	ppm	4/26/88

101348

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-78

		UNITS	DATE
CHROMIUM, TOTAL	24	ppm	4/25/88
LEAD	181	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101349

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description:R.T.F. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : D-80		UNITS	DATE
CHROMIUM, TOTAL	29	ppm	4/25/88
LEAD	59	ppm	4/26/88

101350

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-84

		UNITS	DATE
CHROMIUM, TOTAL	31	ppm	4/25/88
LEAD	322	ppm	4/26/88

101351

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
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April 26, 1988
Report 25623
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ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
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Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : D-90

		UNITS	DATE
CHROMIUM, TOTAL	12	ppm	4/25/88
LEAD	74	ppm	4/26/88

101352

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

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April 26, 1988
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ATT : MR. UGO P. PERZAN
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Collected By: YOUR REP.

REPORT OF ANALYSIS : D-92

		UNITS	DATE
CHROMIUM, TOTAL	2.8	ppm	4/25/88
LEAD	18	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

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Laboratory Supervisor
Enviropact Services, Inc.

101353

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ENVIROPACT NORTHEAST
540 PALMER ROAD
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April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
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Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-93

		UNITS	DATE
CHROMIUM, TOTAL	1.0	ppm	4/25/88
LEAD	33	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101354

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

Collected By: YOUR REP.

REPORT OF ANALYSIS : D-94

		UNITS	DATE
CHROMIUM, TOTAL	1.2	ppm	4/25/88
LEAD	32	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101355

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : D-104		UNITS	DATE
CHROMIUM, TOTAL	3.7	ppm	4/25/88
LEAD	951	ppm	4/26/88

101356

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
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Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-105

		UNITS	DATE
CHROMIUM, TOTAL	3.6	ppm	4/25/88
LEAD	2,972	ppm	4/26/88

101357

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
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April 26, 1988
Report 25623
LAB.ID. 86119

ATT : MR. UGO P. PERZAN
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Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : D-109		UNITS	DATE
CHROMIUM, TOTAL	4.2	ppm	4/25/88
LEAD	1,575	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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April 26, 1988
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ATT : MR. UGO P. PERZAN
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Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : D-113		UNITS	DATE
CHROMIUM, TOTAL	50	ppm	4/25/88
LEAD	25	ppm	4/26/88

101359

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

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ATT : MR. UGO P. PERZAN
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Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : B-1		UNITS	DATE
CHROMIUM, TOTAL	13	ppm	4/25/8[illegible]
LEAD	926	ppm	4/26/8[illegible]

101360

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : B-2

		UNITS	DATE
CHROMIUM, TOTAL	10	ppm	4/25/88
LEAD	35	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101361

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : B-3

		UNITS	DATE
CHROMIUM, TOTAL	15	ppm	4/25/88
LEAD	56	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101362

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : B-4

		UNITS	DATE
CHROMIUM, TOTAL	97	ppm	4/25/88
LEAD	782	ppm	4/26/88

101363

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : B-5

		UNITS	DATE
CHROMIUM, TOTAL	102	ppm	4/25/88
LEAD	70	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101364

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. FERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : B-6		UNITS	DATE
CHROMIUM, TOTAL	19	ppm	4/25/88
LEAD	226	ppm	4/26/88

101365

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : R-7		UNITS	DATE
CHROMIUM, TOTAL	13	ppm	4/25/88
LEAD	511	ppm	4/26/88

101366

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

Collected By: YOUR REP.

REPORT OF ANALYSIS : B-9

		UNITS	DATE
CHROMIUM, TOTAL	1.9	ppm	4/25/88
LEAD	28	ppm	4/26/88

101367

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : B-10		UNITS	DATE
CHROMIUM, TOTAL	7.5	ppm	4/25/88
LEAD	368	ppm	4/26/88

101368

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-2

		UNITS	DATE
CHROMIUM, TOTAL	1.0	ppm	4/25/88
LEAD	371	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101369

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : C-3

		UNITS	DATE
CHROMIUM, TOTAL	1.0	ppm	4/25/88
LEAD	537	ppm	4/26/88

101370

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-4

		UNITS	DATE
CHROMIUM, TOTAL	< 1	ppm	4/25/88
LEAD	5,822	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101371

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-5

		UNITS	DATE
CHROMIUM, TOTAL	< 1	ppm	4/25/88
LEAD	937	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101372

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-7

		UNITS	DATE
CHROMIUM, TOTAL	4.2	ppm	4/25/88
LEAD	97	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101373

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

Collected By: YOUR REP.

REPORT OF ANALYSIS : C-8

		UNITS	DATE
CHROMIUM, TOTAL	< 1	ppm	4/25/88
LEAD	299	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101374

2533
NVIROPACT NORTHEAST
0 PALMER ROAD
NKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

T : MR. UGO P. PERZAN
mple Collected: 3/28/88
mple Received: 3/28/88 Collected By: YOUR REP.
mple Description:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

ORT OF ANALYSIS : C-9		UNITS	DATE
ROMIUM, TOTAL	< 1	ppm	4/25/88
D	351	ppm	4/26/88

ses performed in accordance with E.P.A., A.S.T.M., Standard
s or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-11

		UNITS	DATE
CHROMIUM, TOTAL	2.7	ppm	4/25/88
LEAD	8.7	ppm	4/26/88

101376

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : C-12		UNITS	DATE
CHROMIUM, TOTAL	3.5	ppm	4/25/88
LEAD	29	ppm	4/26/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101377

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-13

		UNITS	DATE
CHROMIUM, TOTAL	13	ppm	4/25/88
LEAD	72	ppm	4/26/88

101378

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-14

		UNITS	DATE
CHROMIUM, TOTAL	1.8	ppm	4/25/88
LEAD	678	ppm	4/26/88

101379

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

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ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : C-15		UNITS	DATE
CHROMIUM, TOTAL	13	ppm	4/25/88
LEAD	200	ppm	4/26/88

101380

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : C-16		UNITS	DATE
CHROMIUM, TOTAL	6.6	ppm	4/25/88
LEAD	61	ppm	4/26/88

101381

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : C-17		UNITS	DATE
ARSENIC	< 0.5	ppm	4/25/88
CHROMIUM, TOTAL	12	ppm	4/25/88
LEAD	131	ppm	4/26/88

101382

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88
Collected By: YOUR REP.
Sample Description: R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : C-18

		UNITS	DATE
CHROMIUM, TOTAL	2.7	ppm	4/25/88
LEAD	85	ppm	4/26/88

101383

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS, NY 10701-5207

April 26, 1988
Report 25623
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Description: R.P.T. ENVIRONMENTAL PROJECT# 004190-01

REPORT OF ANALYSIS : A-7 (RED SOIL)		UNITS	DATE
CHROMIUM, TOTAL	35	ppm	4/26/88
LEAD	4,096	ppm	4/26/88

101384

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

ENVIROPACT

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS ,NY 10701-5207

April 26, 1988
Report 25623
LAB I.D. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/28/88
Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : ARSENIC		UNITS	DATE
C-17	< 0.5	ppm	4/25/88

Analyses made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101385

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS ,NY 10701-5207

April 26, 1988
Report 25623
LAB I.D. 86119

ATT : MR. UGO P. PERZAN

Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : BARIUM		UNITS	DATE
D-7	7.8	ppm	4/26/88

Analyses made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101386

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS ,NY 10701-5207

April 26, 1988
Report 25623
LAB I.D. 86119

ATT : MR. UGO P. PERZAN

Sample Received: 3/28/88
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : CADMIUM

		UNITS	DATE
A-4	3.1	ppm	4/26/88

Analyses made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101387

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS ,NY 10701-5207

April 26, 1988
Report 25623
LAB I.D. 86119

ATT : MR. UGO P. PERZAN

Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : CHROMIUM, TOTAL		UNITS	DATE
C-19	4.3	ppm	4/25/88
C-20	19	ppm	4/25/88
C-22	1.0	ppm	4/25/88
A-4	15	ppm	4/25/88
A-7 (BLACK SOIL)	251	ppm	4/25/88
A-10	27	ppm	4/25/88
A-11	41	ppm	4/25/88
A-12-A	47	ppm	4/25/88
A-12-C	18	ppm	4/25/88
A-19	3.9	ppm	4/25/88
A-24-A	23	ppm	4/25/88
A-24-C	37	ppm	4/25/88
D-7	45	ppm	4/25/88
D-24	40	ppm	4/25/88
D-31	311	ppm	4/25/88
D-37	114	ppm	4/25/88
D-44	36	ppm	4/25/88
D-59	43	ppm	4/25/88
D-64	10	ppm	4/25/88
D-78	24	ppm	4/25/88
D-80	29	ppm	4/25/88
D-84	31	ppm	4/25/88
D-90	12	ppm	4/25/88
D-92	2.8	ppm	4/25/88
D-93	1.0	ppm	4/25/88

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April 26, 1988
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ATT : MR. UGO P. PERZAN

Sample Received: 3/28/88
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : CHROMIUM, TOTAL

		UNITS	DATE
D-94	1.2	ppm	4/25/88
D-104	3.7	ppm	4/25/88
D-105	3.6	ppm	4/25/88
D-109	4.2	ppm	4/25/88
D-113	50	ppm	4/25/88
B-1	13	ppm	4/25/88
B-2	10	ppm	4/25/88
B-3	15	ppm	4/25/88
B-4	97	ppm	4/25/88
B-5	102	ppm	4/25/88
B-6	19	ppm	4/25/88
B-7	13	ppm	4/25/88
B-9	1.9	ppm	4/25/88
B-10	7.5	ppm	4/25/88
C-2	1.0	ppm	4/25/88
C-3	1.0	ppm	4/25/88
C-4	< 1	ppm	4/25/88
C-5	< 1	ppm	4/25/88
C-7	4.2	ppm	4/25/88
C-8	< 1	ppm	4/25/88
C-9	< 1	ppm	4/25/88
C-11	2.7	ppm	4/25/88
C-12	3.5	ppm	4/25/88
C-13	13	ppm	4/25/88
C-14	1.8	ppm	4/25/88
C-15	13	ppm	4/25/88

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS ,NY 10701-5207

April 26, 1988
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ATT : MR. UGO P. PERZAN

Sample Received: 3/28/88
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : CHROMIUM, TOTAL

		UNITS	DATE
C-16	6.6	ppm	4/25/88
C-17	12	ppm	4/25/88
C-18	2.7	ppm	4/25/88
A-7 (RED SOIL)	35	ppm	4/26/88

Analyses made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101390

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS ,NY 10701-5207

April 26, 1988
Report 25623
LAB I.D. 86119

ATT : MR. UGO P. PERZAN

Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : CYANIDE, TOTAL		UNITS	DATE
C-22	< 1	ppm	4/25/88

Analyses made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101391

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS ,NY 10701-5207

April 26, 1988
Report 25623
LAB I.D. 86119

ATT : MR. UGO P. PERZAN

Sample Received: 3/28/88
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01
Collected By: YOUR REP.

REPORT OF ANALYSIS : LEAD

		UNITS	DATE
C-19	3,500	ppm	4/26/88
C-20	76	ppm	4/26/88
C-22	5,028	ppm	4/26/88
A-2	300	ppm	4/26/88
A-4	908	ppm	4/26/88
A-7 (BLACK SOIL)	644	ppm	4/26/88
A-10	112	ppm	4/26/88
A-11	451	ppm	4/26/88
A-12-A	220	ppm	4/26/88
A-12-C	633	ppm	4/26/88
A-19	13	ppm	4/26/88
A-24-A	168	ppm	4/26/88
A-24-C	112	ppm	4/26/88
D-7	5,356	ppm	4/26/88
D-24	171	ppm	4/26/88
D-31	388	ppm	4/26/88
D-37	400	ppm	4/26/88
D-44	418	ppm	4/26/88
D-59	33	ppm	4/26/88
D-64	14	ppm	4/26/88
D-78	181	ppm	4/26/88
D-80	59	ppm	4/26/88
D-84	322	ppm	4/26/88
D-90	74	ppm	4/26/88
D-92	18	ppm	4/26/88

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS ,NY 10701-5207

April 26, 1988
Report 25623
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ATT : MR. UGO P. PERZAN

Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : LEAD		UNITS	DATE
D-93	33	ppm	4/26/88
D-94	32	ppm	4/26/88
D-104	951	ppm	4/26/88
D-105	2,972	ppm	4/26/88
D-109	1,575	ppm	4/26/88
D-113	25	ppm	4/26/88
B-1	926	ppm	4/26/88
B-2	35	ppm	4/26/88
B-3	56	ppm	4/26/88
B-4	782	ppm	4/26/88
B-5	70	ppm	4/26/88
B-6	226	ppm	4/26/88
B-7	511	ppm	4/26/88
B-9	28	ppm	4/26/88
B-10	368	ppm	4/26/88
C-2	371	ppm	4/26/88
C-3	537	ppm	4/26/88
C-4	5,822	ppm	4/26/88
C-5	937	ppm	4/26/88
C-7	97	ppm	4/26/88
C-8	299	ppm	4/26/88
C-9	351	ppm	4/26/88
C-11	8.7	ppm	4/26/88
C-12	29	ppm	4/26/88
C-13	72	ppm	4/26/88
C-14	678	ppm	4/26/88

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS ,NY 10701-5207

April 26, 1988
Report 25623
LAB I.D. 86119

ATT : MR. UGO P. PERZAN

Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : LEAD		UNITS	DATE
C-15	200	ppm	4/26/88
C-16	61	ppm	4/26/88
C-17	131	ppm	4/26/88
C-18	85	ppm	4/26/88
A-7 (RED SOIL)	4,096	ppm	4/26/88

Analyses made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101394

2533
ENVIROPACT NORTHEAST
540 PALMER ROAD
YONKERS ,NY 10701-5207

April 26, 1988
Report 25623
LAB I.D. 86119

ATT : MR. UGO P. PERZAN

Sample Received: 3/28/88 Collected By: YOUR REP.
Sample Designation:R.T.P. ENVIRONMENTAL PROJECT # 004190-01

REPORT OF ANALYSIS : SILVER		UNITS	DATE
D-24	1.6	ppm	4/26/88

Analyses made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101395

ANALYTICAL RESULTS

FOR

E. P. TOX METALS

ENVIROPACT

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB I.D. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : A-24B

		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/8[illegible]
E.P. TOXIC, CADMIUM	< 0.1	mg/l	4/26/8[illegible]
E.P. TOXIC, SILVER	< 0.1	mg/l	4/26/88
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/8[illegible]

101397

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis

ENVIROPACT SERVICES INC
MIAMI DIVISION
4790 N.W. 157th STREET
MIAMI FL 33[illegible]
305 620 [illegible]

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : A-12B

		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/8
E.P. TOXIC, CADMIUM	< 0.1	mg/l	4/26/8
E.P. TOXIC, SILVER	< 0.1	mg/l	4/26/8
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/8

101398

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pantaleo

Michael Pantaleo

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSK

REPORT OF ANALYSIS : A-9A

		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/8
E.P. TOXIC, CADMIUM	< 0.1	mg/l	4/26/8
E.P. TOXIC, SILVER	< 0.1	mg/l	4/26/8
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/8

101399

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis

12533

ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI

April 26, 1988
Report 25667

LAB ID. 86119

Sample Collected: 3/31/88
Sample Received: 4/04/88
Collected By: JOHN TOSTANOSKI
Sample Description: R.P.T. PROJECT #004190-01

REPORT OF ANALYSIS : B-3		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/88
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/88

101400

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pantorno

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : B-4

		UNITS	DATE
E.P. TOXIC, CHROME	0.19	mg/l	4/26/88
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/88

101401

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pantoumi

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description:R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : B-10		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/88
E.P. TOXIC, CADMIUM	< 0.1	mg/l	4/26/88
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/88

101402

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pantoumi

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSK

REPORT OF ANALYSIS : C-3

		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/8

101403

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentomis

Michael Rentomis

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : C-7

		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/88
E.P. TOXIC, LEAD	2.8	mg/l	4/26/88

101404

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pantoumis

Michael Pantoumis

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : C-8

		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/88
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/88

101405

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Bartolomeo

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : C-19

		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/88
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/88

101406

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pantorno

12533

ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description:R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : D-12		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/88
E.P. TOXIC, SILVER	< 0.1	mg/l	4/26/88
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/88

101407

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pantoumis

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : D-14

		UNITS	DATE
E.P. TOXIC, CHROME	0.20	mg/l	4/26/88

101408

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : D-51		UNITS	DATE
E.P. TOXIC, CHROME	0.25	mg/l	4/26/88
E.P. TOXIC, LEAD	0.77	mg/l	4/26/88

101409

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pantoum

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description:R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : D-79

		UNITS	DATE
E.P. TOXIC, CADMIUM	< 0.1	mg/l	4/26/8

101410

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pantoum

Michael Pantoumis

12533
ENVIROPACT NORTHEAST
540 PALMER ROAD
2ND FLOOR
YONKERS, NY 10701-5207
ATT : JOHN TOSTANOSKI
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: R.P.T. PROJECT #004190-01

April 26, 1988
Report 25667

LAB ID. 86119

Collected By: JOHN TOSTANOSKI

REPORT OF ANALYSIS : C-16

		UNITS	DATE
E.P. TOXIC, CHROME	< 0.1	mg/l	4/26/8
E.P. TOXIC, CADMIUM	< 0.1	mg/l	4/26/8
E.P. TOXIC, LEAD	< 0.05	mg/l	4/26/8

101411

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pentoumis

Michael Pentoumis

ANALYTICAL RESULTS

FOR

VOLATILE ORGANICS & PCB'S

ENVIROPACT

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB I.D. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description:4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-50		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-50

		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101414

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-51		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-51		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101416

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-53		UNITS	DATE
POLYCHLORINATED BIPHENYLS	< 0.3	ppm	4/12/88
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description:4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-53		UNITS	DATE
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101418

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533

ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-54		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-54

		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101420

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-55		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	302	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	12	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	17	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	24	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	494	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	661	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-55

		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101422

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-56		UNITS	DATE
TOLUENE	< 1	ppb	4/06/88
XYLENE, TOTAL	< 1	ppb	4/06/88
CHLOROMETHANE	< 1	ppb	4/06/88
BROMOMETHANE	< 1	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 1	ppb	4/06/88
VINYL CHLORIDE	< 1	ppb	4/06/88
CHLOROETHANE	< 1	ppb	4/06/88
METHYLENE CHLORIDE	< 1	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 1	ppb	4/06/88
1,1-DICHLOROETHENE	< 1	ppb	4/06/88
1,1-DICHLOROETHANE	10.2	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 1	ppb	4/06/88
CHLOROFORM	< 1	ppb	4/06/88
1,2-DICHLOROETHANE	< 1	ppb	4/06/88
1,1,1-TRICHLOROETHANE	50.6	ppb	4/06/88
CARBON TETRACHLORIDE	< 1	ppb	4/06/88
BROMODICHLOROMETHANE	< 1	ppb	4/06/88
1,2-DICHLOROPROPANE	< 1	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 1	ppb	4/06/88
TRICHLOROETHENE	65.4	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 1	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 1	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 1	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 1	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-56

		UNITS	DATE
BROMOFORM	< 1	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 1	ppb	4/06/88
TETRACHLOROETHENE	< 1	ppb	4/06/88
CHLOROBENZENE	< 1	ppb	4/06/88
1,3-DICHLOROBENZENE	< 1	ppb	4/06/88
1,2-DICHLOROBENZENE	< 1	ppb	4/06/88
1,4-DICHLOROBENZENE	< 1	ppb	4/06/88
BENZENE	< 1	ppb	4/06/88
ETHYL BENZENE	< 1	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 1	ppb	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101424

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description:4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-57		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-57

		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101426

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-58

		UNITS	DATE
POLYCHLORINATED BIPHENYLS	< 0.4	ppm	4/12/88
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOPOPROPENE	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

Collected By: YOUR REP.

REPORT OF ANALYSIS : A-58

		UNITS	DATE
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101428

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-59		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533

ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-59		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101430

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533

ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-61		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-61

		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101432

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533

ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : R-62		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-62		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101434

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533

ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-63		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-63

		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101436

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

Collected By: YOUR REP.

REPORT OF ANALYSIS : A-64

		UNITS	DATE
POLYCHLORINATED BIPHENYLS	< 1	ppm	4/14/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor, MR
Enviropact Services, Inc.

101437

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-52		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description:4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-52		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101439

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-60		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

Collected By: YOUR REP.

REPORT OF ANALYSIS : A-60

		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101441

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Collected By: YOUR REP.
Sample Description:4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : A-8		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : A-8

		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/8
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/8
TETRACHLOROETHENE	< 10	ppb	4/06/8
CHLOROBENZENE	< 10	ppb	4/06/8
1,3-DICHLOROBENZENE	< 10	ppb	4/06/8
1,2-DICHLOROBENZENE	< 10	ppb	4/06/8
1,4-DICHLOROBENZENE	< 10	ppb	4/06/8
BENZENE	< 10	ppb	4/06/8
ETHYL BENZENE	< 10	ppb	4/06/8
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/8

101443

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : B-9		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLOPODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOPOETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description:4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : B-9		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101445

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Pentoumis

Michael Pentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533

ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : B-10		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : B-10		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101447

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-1		UNITS	DATE
TOLUENE	< 10	ppb	4/06/88
XYLENE, TOTAL	< 10	ppb	4/06/88
CHLOROMETHANE	< 10	ppb	4/06/88
BROMOMETHANE	< 10	ppb	4/06/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/06/88
VINYL CHLORIDE	< 10	ppb	4/06/88
CHLOROETHANE	< 10	ppb	4/06/88
METHYLENE CHLORIDE	< 10	ppb	4/06/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/06/88
1,1-DICHLOROETHENE	< 10	ppb	4/06/88
1,1-DICHLOROETHANE	< 10	ppb	4/06/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/06/88
CHLOROFORM	< 10	ppb	4/06/88
1,2-DICHLOROETHANE	< 10	ppb	4/06/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/06/88
CARBON TETRACHLORIDE	< 10	ppb	4/06/88
BROMODICHLOROMETHANE	< 10	ppb	4/06/88
1,2-DICHLOROPROPANE	< 10	ppb	4/06/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
TRICHLOROETHENE	< 10	ppb	4/06/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/06/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/06/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/06/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/06/88

2533
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63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-1		UNITS	DATE
BROMOFORM	< 10	ppb	4/06/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/06/88
TETRACHLOROETHENE	< 10	ppb	4/06/88
CHLOROBENZENE	< 10	ppb	4/06/88
1,3-DICHLOROBENZENE	< 10	ppb	4/06/88
1,2-DICHLOROBENZENE	< 10	ppb	4/06/88
1,4-DICHLOROBENZENE	< 10	ppb	4/06/88
BENZENE	< 10	ppb	4/06/88
ETHYL BENZENE	< 10	ppb	4/06/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/06/88

101449

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533

ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-5		UNITS	DATE
TOLUENE	< 10	ppb	4/07/88
XYLENE, TOTAL	< 10	ppb	4/07/88
CHLOROMETHANE	< 10	ppb	4/07/88
BROMOMETHANE	< 10	ppb	4/07/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/07/88
VINYL CHLORIDE	< 10	ppb	4/07/88
CHLOROETHANE	< 10	ppb	4/07/88
METHYLENE CHLORIDE	< 10	ppb	4/07/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/07/88
1,1-DICHLOROETHENE	< 10	ppb	4/07/88
1,1-DICHLOROETHANE	< 10	ppb	4/07/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/07/88
CHLOROFORM	< 10	ppb	4/07/88
1,2-DICHLOROETHANE	< 10	ppb	4/07/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/07/88
CARBON TETRACHLORIDE	< 10	ppb	4/07/88
BROMODICHLOROMETHANE	< 10	ppb	4/07/88
1,2-DICHLOROPROPANE	< 10	ppb	4/07/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
TRICHLOROETHENE	< 10	ppb	4/07/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/07/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/07/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/07/88

2533

ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-5		UNITS	DATE
BROMOFORM	< 10	ppb	4/07/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/07/88
TETRACHLOROETHENE	< 10	ppb	4/07/88
CHLOROBENZENE	< 10	ppb	4/07/88
1,3-DICHLOROBENZENE	< 10	ppb	4/07/88
1,2-DICHLOROBENZENE	< 10	ppb	4/07/88
1,4-DICHLOROBENZENE	< 10	ppb	4/07/88
BENZENE	< 10	ppb	4/07/88
ETHYL BENZENE	< 10	ppb	4/07/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/07/88

101451

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-11

		UNITS	DATE
TOLUENE	< 10	ppb	4/07/88
XYLENE, TOTAL	< 10	ppb	4/07/88
CHLOROMETHANE	< 10	ppb	4/07/88
BROMOMETHANE	< 10	ppb	4/07/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/07/88
VINYL CHLORIDE	< 10	ppb	4/07/88
CHLOROETHANE	< 10	ppb	4/07/88
METHYLENE CHLORIDE	< 10	ppb	4/07/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/07/88
1,1-DICHLOROETHENE	< 10	ppb	4/07/88
1,1-DICHLOROETHANE	< 10	ppb	4/07/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/07/88
CHLOROFORM	< 10	ppb	4/07/88
1,2-DICHLOROETHANE	< 10	ppb	4/07/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/07/88
CARBON TETRACHLORIDE	< 10	ppb	4/07/88
BROMODICHLOROMETHANE	< 10	ppb	4/07/88
1,2-DICHLOROPROPANE	< 10	ppb	4/07/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
TRICHLOROETHENE	< 10	ppb	4/07/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/07/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/07/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/07/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-11

		UNITS	DATE
BROMOFORM	< 10	ppb	4/07/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/07/88
TETRACHLOROETHENE	< 10	ppb	4/07/88
CHLOROBENZENE	< 10	ppb	4/07/88
1,3-DICHLOROBENZENE	< 10	ppb	4/07/88
1,2-DICHLOROBENZENE	< 10	ppb	4/07/88
1,4-DICHLOROBENZENE	< 10	ppb	4/07/88
BENZENE	< 10	ppb	4/07/88
ETHYL BENZENE	< 10	ppb	4/07/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/07/88

101453

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description:4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-12		UNITS	DATE
TOLUENE	< 10	ppb	4/07/88
XYLENE, TOTAL	< 10	ppb	4/07/88
CHLOROMETHANE	< 10	ppb	4/07/88
BROMOMETHANE	< 10	ppb	4/07/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/07/88
VINYL CHLORIDE	< 10	ppb	4/07/88
CHLOROETHANE	< 10	ppb	4/07/88
METHYLENE CHLORIDE	< 10	ppb	4/07/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/07/88
1,1-DICHLOROETHENE	< 10	ppb	4/07/88
1,1-DICHLOROETHANE	< 10	ppb	4/07/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/07/88
CHLOROFORM	< 10	ppb	4/07/88
1,2-DICHLOROETHANE	< 10	ppb	4/07/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/07/88
CARBON TETRACHLORIDE	< 10	ppb	4/07/88
BROMODICHLOROMETHANE	< 10	ppb	4/07/88
1,2-DICHLOROPROPANE	< 10	ppb	4/07/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
TRICHLOROETHENE	< 10	ppb	4/07/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/07/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/07/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/07/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-12		UNITS	DATE
BROMOFORM	< 10	ppb	4/07/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/07/88
TETRACHLOROETHENE	30	ppb	4/07/88
CHLOROBENZENE	< 10	ppb	4/07/88
1,3-DICHLOROBENZENE	< 10	ppb	4/07/88
1,2-DICHLOROBENZENE	< 10	ppb	4/07/88
1,4-DICHLOROBENZENE	< 10	ppb	4/07/88
BENZENE	< 10	ppb	4/07/88
ETHYL BENZENE	< 10	ppb	4/07/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/07/88

101455

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor, MR
Enviropact Services, Inc.

2533

ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-18		UNITS	DATE
TOLUENE	< 100	ppb	4/07/88
XYLENE, TOTAL	< 100	ppb	4/07/88
CHLOROMETHANE	< 100	ppb	4/07/88
BROMOMETHANE	< 100	ppb	4/07/88
DICHLORODIFLUOROMETHANE	< 100	ppb	4/07/88
VINYL CHLORIDE	< 100	ppb	4/07/88
CHLOROETHANE	< 100	ppb	4/07/88
METHYLENE CHLORIDE	< 100	ppb	4/07/88
TRICHLOROFLUOROMETHANE	< 100	ppb	4/07/88
1,1-DICHLOROETHENE	< 100	ppb	4/07/88
1,1-DICHLOROETHANE	< 100	ppb	4/07/88
TRANS-1,2-DICHLOROETHENE	< 100	ppb	4/07/88
CHLOROFORM	< 100	ppb	4/07/88
1,2-DICHLOROETHANE	< 100	ppb	4/07/88
1,1,1-TRICHLOROETHANE	< 100	ppb	4/07/88
CARBON TETRACHLORIDE	< 100	ppb	4/07/88
BROMODICHLOROMETHANE	< 100	ppb	4/07/88
1,2-DICHLOROPROPANE	< 100	ppb	4/07/88
TRANS-1,3-DICHLOROPROPENE	< 100	ppb	4/07/88
TRICHLOROETHENE	< 100	ppb	4/07/88
DIBROMOCHLOROMETHANE	< 100	ppb	4/07/88
1,1,2-TRICHLOROETHANE	< 100	ppb	4/07/88
CIS-1,3-DICHLOROPROPENE	< 100	ppb	4/07/88
2-CHLOROETHYLVINYL ETHER	< 100	ppb	4/07/88

101456

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-18		UNITS	DATE
BROMOFORM	< 100	ppb	4/07/88
1,1,2,2-TETRACHLOROETHANE	< 100	ppb	4/07/88
TETRACHLOROETHENE	< 100	ppb	4/07/88
CHLOROBENZENE	< 100	ppb	4/07/88
1,3-DICHLOROBENZENE	< 100	ppb	4/07/88
1,2-DICHLOROBENZENE	< 100	ppb	4/07/88
1,4-DICHLOROBENZENE	< 100	ppb	4/07/88
BENZENE	< 100	ppb	4/07/88
ETHYL BENZENE	< 100	ppb	4/07/88
METHYL TERT BUTYL ETHER	< 100	ppb	4/07/88

101457

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor mR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-19		UNITS	DATE
TOLUENE	< 10	ppb	4/07/88
XYLENE, TOTAL	< 10	ppb	4/07/88
CHLOROMETHANE	< 10	ppb	4/07/88
BROMOMETHANE	< 10	ppb	4/07/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/07/88
VINYL CHLORIDE	< 10	ppb	4/07/88
CHLOROETHANE	< 10	ppb	4/07/88
METHYLENE CHLORIDE	< 10	ppb	4/07/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/07/88
1,1-DICHLOROETHENE	< 10	ppb	4/07/88
1,1-DICHLOROETHANE	< 10	ppb	4/07/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/07/88
CHLOROFORM	< 10	ppb	4/07/88
1,2-DICHLOROETHANE	< 10	ppb	4/07/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/07/88
CARBON TETRACHLORIDE	< 10	ppb	4/07/88
BROMODICHLOROMETHANE	< 10	ppb	4/07/88
1,2-DICHLOROPROPANE	< 10	ppb	4/07/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
TRICHLOROETHENE	< 10	ppb	4/07/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/07/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/07/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/07/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : C-19

		UNITS	DATE
BROMOFORM	< 10	ppb	4/07/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/07/88
TETRACHLOROETHENE	< 10	ppb	4/07/88
CHLOROBENZENE	< 10	ppb	4/07/88
1,3-DICHLOROBENZENE	< 10	ppb	4/07/88
1,2-DICHLOROBENZENE	< 10	ppb	4/07/88
1,4-DICHLOROBENZENE	< 10	ppb	4/07/88
BENZENE	< 10	ppb	4/07/88
ETHYL BENZENE	< 10	ppb	4/07/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/07/88

101459

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-21		UNITS	DATE
POLYCHLORINATED BIPHENYLS	21.9	ppm	4/12/88
TOLUENE	< 10	ppb	4/07/88
XYLENE, TOTAL	< 10	ppb	4/07/88
CHLOROMETHANE	< 10	ppb	4/07/88
BROMOMETHANE	< 10	ppb	4/07/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/07/88
VINYL CHLORIDE	< 10	ppb	4/07/88
CHLOROETHANE	< 10	ppb	4/07/88
METHYLENE CHLORIDE	< 10	ppb	4/07/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/07/88
1,1-DICHLOROETHENE	< 10	ppb	4/07/88
1,1-DICHLOROETHANE	< 10	ppb	4/07/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/07/88
CHLOROFORM	< 10	ppb	4/07/88
1,2-DICHLOROETHANE	< 10	ppb	4/07/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/07/88
CARBON TETRACHLORIDE	< 10	ppb	4/07/88
BROMODICHLOROMETHANE	< 10	ppb	4/07/88
1,2-DICHLOROPROPANE	< 10	ppb	4/07/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
TRICHLOROETHENE	< 10	ppb	4/07/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/07/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/07/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : C-21		UNITS	DATE
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/07/88
BROMOFORM	< 10	ppb	4/07/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/07/88
TETRACHLOROETHENE	< 10	ppb	4/07/88
CHLOROBENZENE	< 10	ppb	4/07/88
1,3-DICHLOROBENZENE	< 10	ppb	4/07/88
1,2-DICHLOROBENZENE	< 10	ppb	4/07/88
1,4-DICHLOROBENZENE	< 10	ppb	4/07/88
BENZENE	< 10	ppb	4/07/88
ETHYL BENZENE	< 10	ppb	4/07/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/07/88

101461

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-9		UNITS	DATE
TOLUENE	< 10	ppb	4/07/88
XYLENE, TOTAL	< 10	ppb	4/07/88
CHLOROMETHANE	< 10	ppb	4/07/88
BROMOMETHANE	< 10	ppb	4/07/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/07/88
VINYL CHLORIDE	< 10	ppb	4/07/88
CHLOROETHANE	< 10	ppb	4/07/88
METHYLENE CHLORIDE	< 10	ppb	4/07/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/07/88
1,1-DICHLOROETHENE	< 10	ppb	4/07/88
1,1-DICHLOROETHANE	< 10	ppb	4/07/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/07/88
CHLOROFORM	< 10	ppb	4/07/88
1,2-DICHLOROETHANE	< 10	ppb	4/07/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/07/88
CARBON TETRACHLORIDE	< 10	ppb	4/07/88
BROMODICHLOROMETHANE	< 10	ppb	4/07/88
1,2-DICHLOROPROPANE	< 10	ppb	4/07/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
TRICHLOROETHENE	< 10	ppb	4/07/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/07/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/07/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/07/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-9

		UNITS	DATE
BROMOFORM	< 10	ppb	4/07/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/07/88
TETPACHLOROETHENE	< 10	ppb	4/07/88
CHLOROBENZENE	< 10	ppb	4/07/88
1,3-DICHLOROBENZENE	< 10	ppb	4/07/88
1,2-DICHLOROBENZENE	< 10	ppb	4/07/88
1,4-DICHLOROBENZENE	< 10	ppb	4/07/88
BENZENE	< 10	ppb	4/07/88
ETHYL BENZENE	< 10	ppb	4/07/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/07/88

101463

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 P.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : D-94		UNITS	DATE
TOLUENE	< 10	ppb	4/07/88
XYLENE, TOTAL	< 10	ppb	4/07/88
CHLOROMETHANE	< 10	ppb	4/07/88
BROMOMETHANE	< 10	ppb	4/07/88
DICHLORODIFLUOROMETHANE	< 10	ppb	4/07/88
VINYL CHLORIDE	< 10	ppb	4/07/88
CHLOROETHANE	< 10	ppb	4/07/88
METHYLENE CHLORIDE	< 10	ppb	4/07/88
TRICHLOROFLUOROMETHANE	< 10	ppb	4/07/88
1,1-DICHLOROETHENE	< 10	ppb	4/07/88
1,1-DICHLOROETHANE	< 10	ppb	4/07/88
TRANS-1,2-DICHLOROETHENE	< 10	ppb	4/07/88
CHLOROFORM	< 10	ppb	4/07/88
1,2-DICHLOROETHANE	< 10	ppb	4/07/88
1,1,1-TRICHLOROETHANE	< 10	ppb	4/07/88
CARBON TETRACHLORIDE	< 10	ppb	4/07/88
BROMODICHLOROMETHANE	< 10	ppb	4/07/88
1,2-DICHLOROPROPANE	< 10	ppb	4/07/88
TRANS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
TRICHLOROETHENE	< 10	ppb	4/07/88
DIBROMOCHLOROMETHANE	< 10	ppb	4/07/88
1,1,2-TRICHLOROETHANE	< 10	ppb	4/07/88
CIS-1,3-DICHLOROPROPENE	< 10	ppb	4/07/88
2-CHLOROETHYLVINYL ETHER	< 10	ppb	4/07/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.
Collected By: YOUR REP.

REPORT OF ANALYSIS : D-94

		UNITS	DATE
BROMOFORM	< 10	ppb	4/07/88
1,1,2,2-TETRACHLOROETHANE	< 10	ppb	4/07/88
TETRACHLOROETHENE	< 10	ppb	4/07/88
CHLOROBENZENE	< 10	ppb	4/07/88
1,3-DICHLOROBENZENE	< 10	ppb	4/07/88
1,2-DICHLOROBENZENE	< 10	ppb	4/07/88
1,4-DICHLOROBENZENE	< 10	ppb	4/07/88
BENZENE	< 10	ppb	4/07/88
ETHYL BENZENE	< 10	ppb	4/07/88
METHYL TERT BUTYL ETHER	< 10	ppb	4/07/88

101465

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
BARRY LANE EAST
BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

: MR. UGO P. PERZAN
ple Collected: 3/31/88
ple Received: 4/04/88
le Description: 4190-01 R.T.P. ENVIRONMENTAL.

Collected By: YOUR REP.

OF ANALYSIS : D-99		UNITS	DATE
LORINATED BIPHENYLS	530	ppm	4/14/88

accordance with E.P.A., A.S.T.M., Standard
roved methods.

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

101466

2533

ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : FB 2-A		UNITS	DATE
TOLUENE	< 1	µg/l	4/07/88
XYLENE, TOTAL	< 1	µg/l	4/07/88
CHLOROMETHANE	< 1	µg/l	4/07/88
BROMOMETHANE	< 1	µg/l	4/07/88
DICHLORODIFLUOROMETHANE	< 1	µg/l	4/07/88
VINYL CHLORIDE	< 1	µg/l	4/07/88
CHLOROETHANE	< 1	µg/l	4/07/88
METHYLENE CHLORIDE	< 1	µg/l	4/07/88
TRICHLOROFLUOROMETHANE	< 1	µg/l	4/07/88
1,1-DICHLOROETHENE	< 1	µg/l	4/07/88
1,1-DICHLOROETHANE	< 1	µg/l	4/07/88
TRANS-1,2-DICHLOROETHENE	< 1	µg/l	4/07/88
CHLOROFORM	< 1	µg/l	4/07/88
1,2-DICHLOROETHANE	< 1	µg/l	4/07/88
1,1,1-TRICHLOROETHANE	< 1	µg/l	4/07/88
CARBON TETRACHLORIDE	< 1	µg/l	4/07/88
BROMODICHLOROMETHANE	< 1	µg/l	4/07/88
1,2-DICHLOROPROPANE	< 1	µg/l	4/07/88
TRANS-1,3-DICHLOROPROPENE	< 1	µg/l	4/07/88
TRICHLOROETHENE	< 1	µg/l	4/07/88
DIBROMOCHLOROMETHANE	< 1	µg/l	4/07/88
1,1,2-TRICHLOROETHANE	< 1	µg/l	4/07/88
CIS-1,3-DICHLOROPROPENE	< 1	µg/l	4/07/88
2-CHLOROETHYLVINYL ETHER	< 1	µg/l	4/07/88

2533
ENVIROPACT NORTHEAST
63 BAPRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

Collected By: YOUR REP.

REPORT OF ANALYSIS : FB 2-A

		UNITS	DATE
BROMOFORM	< 1	µg/l	4/07/88
1,1,2,2-TETRACHLOROETHANE	< 1	µg/l	4/07/88
TETRACHLOROETHENE	< 1	µg/l	4/07/88
CHLOROBENZENE	< 1	µg/l	4/07/88
1,3-DICHLOROBENZENE	< 1	µg/l	4/07/88
1,2-DICHLOROBENZENE	< 1	µg/l	4/07/88
1,4-DICHLOROBENZENE	< 1	µg/l	4/07/88
BENZENE	< 1	µg/l	4/07/88
ETHYL BENZENE	< 1	µg/l	4/07/88
METHYL TERT BUTYL ETHER	< 1	µg/l	4/07/88

Analyses performed in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

101468

Respectfully Submitted,

Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : FB 3-A		UNITS	DATE
TOLUENE	< 1	µg/l	4/07/88
XYLENE, TOTAL	< 1	µg/l	4/07/88
CHLOROMETHANE	< 1	µg/l	4/07/88
BROMOMETHANE	< 1	µg/l	4/07/88
DICHLORODIFLUOROMETHANE	< 1	µg/l	4/07/88
VINYL CHLORIDE	< 1	µg/l	4/07/88
CHLOROETHANE	< 1	µg/l	4/07/88
METHYLENE CHLORIDE	< 1	µg/l	4/07/88
TRICHLOROFLUOROMETHANE	< 1	µg/l	4/07/88
1,1-DICHLOROETHENE	< 1	µg/l	4/07/88
1,1-DICHLOROETHANE	< 1	µg/l	4/07/88
TRANS-1,2-DICHLOROETHENE	< 1	µg/l	4/07/88
CHLOROFORM	< 1	µg/l	4/07/88
1,2-DICHLOROETHANE	< 1	µg/l	4/07/88
1,1,1-TRICHLOROETHANE	< 1	µg/l	4/07/88
CARBON TETRACHLORIDE	< 1	µg/l	4/07/88
BROMODICHLOROMETHANE	< 1	µg/l	4/07/88
1,2-DICHLOROPROPANE	< 1	µg/l	4/07/88
TRANS-1,3-DICHLOROPROPENE	< 1	µg/l	4/07/88
TRICHLOROETHENE	< 1	µg/l	4/07/88
DIBROMOCHLOROMETHANE	< 1	µg/l	4/07/88
1,1,2-TRICHLOROETHANE	< 1	µg/l	4/07/88
CIS-1,3-DICHLOROPROPENE	< 1	µg/l	4/07/88
2-CHLOROETHYLVINYL ETHER	< 1	µg/l	4/07/88

2533
ENVIROPACT NORTHEAST
63 BARRY LANE EAST
OLD BETH PAGE, NY 11804

April 15, 1988
Report 25330
LAB ID. 86119

ATT : MR. UGO P. PERZAN
Sample Collected: 3/31/88
Sample Received: 4/04/88 Collected By: YOUR REP.
Sample Description: 4190-01 R.T.P. ENVIRONMENTAL.

REPORT OF ANALYSIS : FB 3-A		UNITS	DATE
BROMOFORM	< 1	µg/l	4/07/88
1,1,2,2-TETRACHLOROETHANE	< 1	µg/l	4/07/88
TETRACHLOROETHENE	< 1	µg/l	4/07/88
CHLOROBENZENE	< 1	µg/l	4/07/88
1,3-DICHLOROBENZENE	< 1	µg/l	4/07/88
1,2-DICHLOROBENZENE	< 1	µg/l	4/07/88
1,4-DICHLOROBENZENE	< 1	µg/l	4/07/88
BENZENE	< 1	µg/l	4/07/88
ETHYL BENZENE	< 1	µg/l	4/07/88
METHYL TERT BUTYL ETHER	< 1	µg/l	4/07/88

lyses performed in accordance with E.P.A., A.S.T.M., Standard
thods or other approved methods.

Respectfully Submitted,

Michael Rentoumis
Michael Rentoumis
Laboratory Supervisor MR
Enviropact Services, Inc.

ANALYTICAL RESULTS

FOR

PRIORITY POLLUTANTS

101471

ENVIROPACT

Client: ENVIROPACT SERVICES, INC.
Northeast Division
540 Palmer Road
Yonkers, NY 10701

April 19, 1988

Report # J 2202
Lab I.D.# 82223
E82101

Date Sampled: 3/29/88
Collected by: Your Rep.
Sample Designation: RTP Environmental Sludge Samples as noted.

REPORT OF ANALYSIS

METHOD 624

	WEST SUMP	E.DRAINAGE AREA	
Benzene	< 0.01	< 0.01	ug/g
Bromodichloromethane	< 0.01	< 0.01	ug/g
Bromoform	< 0.01	< 0.01	ug/g
Bromomethane	< 0.01	< 0.01	ug/g
Carbon Tetrachloride	< 0.01	< 0.01	ug/g
Chlorobenzene	< 0.01	< 0.01	ug/g
Chloroethane	< 0.01	< 0.01	ug/g
2-Chloroethylvinyl Ether	< 0.01	< 0.01	ug/g
Chloroform	< 0.01	< 0.01	ug/g
Chloromethane	< 0.01	< 0.01	ug/g
Dibromochloromethane	< 0.01	< 0.01	ug/g
1,2-Dichlorobenzene	< 0.01	< 0.01	ug/g
1,4-Dichlorobenzene	< 0.01	< 0.01	ug/g
1,3-Dichlorobenzene	< 0.01	< 0.01	ug/g
1,1-Dichloroethane	< 0.01	< 0.01	ug/g
1,2-Dichloroethane	< 0.01	< 0.01	ug/g
1,1-Dichloroethene	< 0.01	< 0.01	ug/g
Trans-1,2-Dichloroethene	< 0.01	< 0.01	ug/g
1,2-Dichloropropane	< 0.01	< 0.01	ug/g
Cis-1,3-Dichloropropene	< 0.01	< 0.01	ug/g
Trans-1,3-Dichldropropene	< 0.01	< 0.01	ug/g
Ethyl Benzene	< 0.01	< 0.01	ug/g
Methylene Chloride	< 0.01	< 0.01	ug/g
1,1,2,2-Tetrachloroethane	< 0.01	< 0.01	ug/g
Tetrachloroethene	< 0.01	< 0.01	ug/g
Toluene	< 0.01	< 0.01	ug/g
1,1,1-Trichloroethane	< 0.01	< 0.01	ug/g
1,1,2-Trichloroethane	< 0.01	< 0.01	ug/g
Trichloroethene	< 0.01	< 0.01	ug/g

ENVIROPACT SERVICES INC
JACKSONVILLE DIVISION
1627 EAST 8th STREET
JACKSONVILLE FL 32206-5407
904 354 6755

101472

Client: ENVIROPACT NORTHEAST
Report # J 2202
Page 2

Report of analysis continued...

	WEST SUMP	E. DRAINAGE AREA	
Trichlorofluoromethane	< 0.01	< 0.01	ug/g
Vinyl Chloride	< 0.01	< 0.01	ug/g
Acrolein	< 0.25	< 0.25	ug/g
Acrylonitrile	< 0.25	< 0.25	ug/g
Xylenes	< 0.01	< 0.01	ug/g
Dichlorodifluoromethane	< 0.01	< 0.01	ug/g

BASE/NEUTRAL EXTRACTABLES (EPA METHOD 625)

Acenaphthene	< 330	< 1650	ug/kg
Acenaphthylene	< 330	< 1650	ug/kg
Anthracene	< 330	< 1650	ug/kg
Aldrin	< 330	< 1650	ug/kg
Benzo(a)Anthracene	< 330	< 1650	ug/kg
Benzo(b)Fluoranthene	< 330	< 1650	ug/kg
Benzo(k)Fluoranthene	< 330	< 1650	ug/kg
Benzo(a)Pyrene	< 330	< 1650	ug/kg
Benzo(g,h,i)Perylene	< 330	< 1650	ug/kg
Benzyl Butyl Phthlate	< 330	< 1650	ug/kg
b-BHC	< 330	< 1650	ug/kg
d-BHC	< 330	< 1650	ug/kg
Bis(2-chloroethyl)Ether	< 330	< 1650	ug/kg
Bis(2-chloroethoxy)Methane	< 330	< 1650	ug/kg
Bis(2-ethylhexyl)Phthalate	3800	< 1650	ug/kg
Bis(2-chloroisopropyl)Ether	< 330	< 1650	ug/kg
4-Bromophenyl Phenyl Ether	< 330	< 1650	ug/kg
Chlordane	< 1600	< 8000	ug/kg
2-Chloronaphthalene	< 330	< 1650	ug/kg
4-Chlorophenyl Phenyl Ether	< 330	< 1650	ug/kg
Chrysene	< 330	< 1650	ug/kg
4,4'-DDD	< 330	< 1650	ug/kg
4,4'-DDE	< 330	< 1650	ug/kg
4,4'-DDT	< 330	< 1650	ug/kg

101473

Client: ENVIROPACT NORTHEAST
Report # J 2202
Page 3

Report of analysis continued...

	WEST SUMP	E. DRAINAGE AREA	
Dibenzo(a,h)Anthracene	< 330	< 1650	ug/kg
Di-n-butylphthalate	< 330	< 1650	ug/kg
1,3-Dichlorobenzene	< 330	< 1650	ug/kg
1,2-Dichlorobenzene	< 330	< 1650	ug/kg
1,4-Dichlorobenzene	< 330	< 1650	ug/kg
3,3-Dichlorobenzidine	< 330	< 1650	ug/kg
Dieldrin	< 330	< 1650	ug/kg
Diethyl Phthalate	< 330	< 1650	ug/kg
Dimethyl Phthalate	< 330	< 1650	ug/kg
2,4-Dinitrotoluene	< 330	< 1650	ug/kg
2,6-Dinitrotoluene	< 330	< 1650	ug/kg
Di-n-Octylphthalate	< 330	< 1650	ug/kg
Endosulfan Sulfate	< 330	< 1650	ug/kg
Endrin Aldehyde	< 330	< 1650	ug/kg
Fluoranthene	430	< 1650	ug/kg
Fluorene	< 330	< 1650	ug/kg
Heptachlor	< 330	< 1650	ug/kg
Heptachlor Epoxide	< 330	< 1650	ug/kg
Hexachlorobenzene	< 330	< 1650	ug/kg
Hexachlorobutadiene	< 330	< 1650	ug/kg
Hexachloroethane	< 330	< 1650	ug/kg
Indeno(1,2,3-cd)Pyrene	< 330	< 1650	ug/kg
Isophorone	< 330	< 1650	ug/kg
Naphthalene	< 330	< 1650	ug/kg
Nitrobenzene	< 330	< 1650	ug/kg
N-Nitrosodi-n-Propylamine	< 330	< 1650	ug/kg
PCB-1016	< 1600	< 8000	ug/kg
PCB-1221	< 1600	< 8000	ug/kg
PCB-1232	< 1600	< 8000	ug/kg
PCB-1242	< 1600	< 8000	ug/kg
PCB-1248	< 1600	< 8000	ug/kg
PCB-1254	< 1600	< 8000	ug/kg
PCB-1260	< 1600	< 8000	ug/kg

Client: ENVIROPACT NORTHEAST
Report # J 2202
Page 4

Report of analysis continued...

	WEST SUMP	E.DRAINAGE AREA	
Phenanthrene	< 330	< 1650	
Pyrene	< 330	< 1650	
Toxaphene	< 1600	< 8000	
1,2,4-Trichlorobenzene	< 330	< 1650	
Benzidine	< 330	< 1650	ug
a-BHC	< 330	< 1650	ug
g-BHC	< 330	< 1650	ug/
Endosulfan I	< 330	< 1650	ug/
Endosulfan II	< 330	< 1650	ug/k
Endrin	< 330	< 1650	ug/k
Hexachlorocyclopentadiene	< 330	< 1650	ug/kg
N-Nitrosodimethylamine	< 330	< 1650	ug/kg
N-Nitrosodiphenylamine	< 330	< 1650	ug/kg
Bischloromethyl Ether	< 330	< 1650	ug/kg
1,2-Diphenylhydrazine			
Dioxin	< 33	< 165	ug/kg
ACID EXTRACTABLES			
4-Chloro-3-Methylphenol	< 330	< 1650	ug/kg
2-Chlorophenol	< 330	< 165	ug/kg
2,4-Dichlorophenol	< 330	< 1650	ug/kg
2,4-Dimethylphenol	< 330	< 1650	ug/kg
2,4-Dinitrophenol	< 1600	< 8000	ug/kg
2-Methyl-4,6-Dinitrophenol	< 1600	< 8000	ug/kg
2-Nitrophenol	< 330	< 1650	ug/kg
4-Nitrophenol	< 1600	< 8000	ug/kg
Pentachlorophenol	< 1600	< 8000	ug/kg
Phenol	< 330	< 1650	ug/kg
2,4,6-Trichlorophenol	< 330	< 1650	ug/kg

Client: ENVIROPACT SERVICES, INC.
Northeast Division
Report # J 2202
Page 5.

Report of Analysis continued. . .

	WEST SUMP	E. DRAINAGE AREA	
Antimony	< 5.0	< 5.0	mg/kg
Arsenic	< 0.5	< 0.5	mg/kg
Berylium	0.26	0.29	mg/kg
Cadmium	1.31	8.98	mg/kg
Chromium	< 0.5	< 0.5	mg/kg
Copper	212	102	mg/kg
Lead	104	87.6	mg/kg
Mercury	< 0.10	< 0.10	mg/kg
Nickel	220	67.8	mg/kg
Selenium	< 0.5	< 0.5	mg/kg
Silver	< 1.0	7.17	mg/kg
Thallium	< 1.0	< 1.0	mg/kg
Zinc	165	111	mg/kg
Cyanide	< 0.25	< 0.25	mg/kg
Total Phenol	0.016	0.024	mg/kg

Analysis made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully submitted,

Chris Given
Laboratory Manager

101476

ENVIROPACT

Client: ENVIROPACT SERVICES, INC.
Northeast Division
540 Palmer Road
Yonkers, NY 10701

April 19, 1988

Report # J 2202
Lab I.D.# 82223
E82101

Date Sampled: 3/29/88 Collected by: Your Rep.
Sample Designation: RTP Environmental Sludge Samples as noted.

REPORT OF ANALYSIS

METHOD 624

	S.DRAINAGE AREA	FILL AREA	
Benzene	< 0.01	< 0.01	ug/g
Bromodichloromethane	< 0.01	< 0.01	ug/g
Bromoform	< 0.01	< 0.01	ug/g
Bromomethane	< 0.01	< 0.01	ug/g
Carbon Tetrachloride	< 0.01	< 0.01	ug/g
Chlorobenzene	< 0.01	< 0.01	ug/g
Chloroethane	< 0.01	< 0.01	ug/g
2-Chloroethylvinyl Ether	< 0.01	< 0.01	ug/g
Chloroform	< 0.01	< 0.01	ug/g
Chloromethane	< 0.01	< 0.01	ug/g
Dibromochloromethane	< 0.01	< 0.01	ug/g
1,2-Dichlorobenzene	< 0.01	< 0.01	ug/g
1,4-Dichlorobenzene	< 0.01	< 0.01	ug/g
1,3-Dichlorobenzene	< 0.01	< 0.01	ug/g
1,1-Dichloroethane	< 0.01	< 0.01	ug/g
1,2-Dichloroethane	< 0.01	< 0.01	ug/g
1,1-Dichloroethene	< 0.01	< 0.01	ug/g
Trans-1,2-Dichloroethene	< 0.01	< 0.01	ug/g
1,2-Dichloropropane	< 0.01	< 0.01	ug/g
Cis-1,3-Dichloropropene	< 0.01	< 0.01	ug/g
Trans-1,3-Dichloropropene	< 0.01	< 0.01	ug/g
Ethyl Benzene	< 0.01	< 0.01	ug/g
Methylene Chloride	< 0.01	< 0.01	ug/g
1,1,2,2-Tetrachloroethane	< 0.01	< 0.01	ug/g
Tetrachloroethene	< 0.01	< 0.01	ug/g
Toluene	< 0.01	< 0.01	ug/g
1,1,1-Trichloroethane	< 0.01	< 0.01	ug/g
1,1,2-Trichloroethane	< 0.01	< 0.01	ug/g
Trichloroethene	< 0.01	< 0.01	ug/g

ENVIROPACT SERVICES INC
JACKSONVILLE DIVISION
[illegible]
JACKSONVILLE FL [illegible]
[illegible]

101477

Client: ENVIROPACT SERVICES, INC
Northeast Division
Report # J 2202
Page 3

Report of analysis continued...

	S.DRAINAGE AREA	FILL AREA	
Dibenzo(a,h)Anthracene	< 330	< 330	ug/kg
Di-n-butylphthalate	< 330	< 330	ug/kg
1,3-Dichlorobenzene	< 330	< 330	ug/kg
1,2-Dichlorobenzene	< 330	< 330	ug/kg
1,4-Dichlorobenzene	< 330	< 330	ug/kg
3,3-Dichlorobenzidine	< 330	< 330	ug/kg
Dieldrin	< 330	< 330	ug/kg
Diethyl Phthalate	< 330	< 330	ug/kg
Dimethyl Phthalate	< 330	< 330	ug/kg
2,4-Dinitrotoluene	< 330	< 330	ug/kg
2,6-Dinitrotoluene	< 330	< 330	ug/kg
Di-n-Octylphthalate	< 330	< 330	ug/kg
Endosulfan Sulfate	< 330	< 330	ug/kg
Endrin Aldehyde	< 330	< 330	ug/kg
Fluoranthene	< 330	< 330	ug/kg
Fluorene	< 330	< 330	ug/kg
Heptachlor	< 330	< 330	ug/kg
Heptachlor Epoxide	< 330	< 330	ug/kg
Hexachlorobenzene	< 330	< 330	ug/kg
Hexachlorobutadiene	< 330	< 330	ug/kg
Hexachloroethane	< 330	< 330	ug/kg
Indeno(1,2,3-cd)Pyrene	< 330	< 330	ug/kg
Isophorone	< 330	< 330	ug/kg
Naphthalene	< 330	< 330	ug/kg
Nitrobenzene	< 330	< 330	ug/kg
N-Nitrosodi-n-Propylamine	< 330	< 330	ug/kg
PCB-1016	< 1600	< 1600	ug/kg
PCB-1221	< 1600	< 1600	ug/kg
PCB-1232	< 1600	< 1600	ug/kg
PCB-1242	< 1600	< 1600	ug/kg
PCB-1248	< 1600	< 1600	ug/kg
PCB-1254	< 1600	< 1600	ug/kg
PCB-1260	< 1600	< 1600	ug/kg

Client: ENVIROPACT SERVICES, INC.
Northeast Division
Report # J 2202
Page 4

Report of analysis continued...

	G. DRAINAGE AREA	FILL AREA	
Phenanthrene	< 330	< 330	ug/kg
Pyrene	< 330	< 330	ug/kg
Toxaphene	< 1600	< 1600	ug/kg
1,2,4-Trichlorobenzene	< 330	< 330	ug/kg
Benzidine	< 330	< 330	ug/kg
a-BHC	< 330	< 330	ug/kg
g-BHC	< 330	< 330	ug/kg
Endosulfan I	< 330	< 330	ug/kg
Endosulfan II	< 330	< 330	ug/kg
Endrin	< 330	< 330	ug/kg
Hexachlorocyclopentadiene	< 330	< 330	ug/kg
N-Nitrosodimethylamine	< 330	< 330	ug/kg
N-Nitrosodiphenylamine	< 330	< 330	ug/kg
Bischloromethyl Ether	< 330	< 330	ug/kg
1,2-Diphenylhydrazine	< 330	< 330	ug/kg
		< 330	ug/kg
Dioxin	< 33	< 33	ug/kg
ACID EXTRACTABLES			
4-Chloro-3-Methylphenol	< 330	< 330	ug/kg
2-Chlorophenol	< 330	< 330	ug/kg
2,4-Dichlorophenol	< 330	< 330	ug/kg
2,4-Dimethylphenol	< 330	< 330	ug/kg
2,4-Dinitrophenol	< 1600	< 1600	ug/kg
2-Methyl-4,6-Dinitrophenol	< 1600	< 1600	ug/kg
2-Nitrophenol	< 330	< 330	ug/kg
4-Nitrophenol	< 1600	< 1600	ug/kg
Pentachlorophenol	< 1600	< 1600	ug/kg
Phenol	< 330	< 330	ug/kg
2,4,6-Trichlorophenol	< 330	< 330	ug/kg

Client: ENVIROPACT NORTHEAST
Report # J 2202
Page 5.

Report of Analysis continued. . .

	S. DRAINAGE AREA	FILL AREA	
Antimony	43.4	< 5.0	mg/kg
Arsenic	< 0.5	< 0.5	mg/kg
Berylium	41.9	0.29	mg/kg
Cadmium	8.19	1.59	mg/kg
Chromium	< 0.5	< 0.5	mg/kg
Copper	1360	917	mg/kg
Lead	11600	556	mg/kg
Mercury	< 0.10	< 0.10	mg/kg
Nickel	343	4000	mg/kg
Selenium	< 0.5	< 0.5	mg/kg
Silver	6.30	24.1	mg/kg
Thallium	< 1.0	< 1.0	mg/kg
Zinc	1010	204	mg/kg
Cyanide	< 0.25	< 0.25	mg/kg
Total Phenol	0.055	0.063	mg/kg

Analysis made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully submitted,

Chris Gimen
Laboratory Manager

Enviropact, Inc.

Environmental Consulting and Analysis

Requested By: Audrey Pastorowski

Emp. #

FIELD SERVICE ACTION ORDER

DATE: March 30, 1988

DATE REQUIRED:

BILL TO: Enviropact Northeast
540 Palmer Rd
Yonkers NY 10701

JOB SITE: RTP Environmental
(Li Tungsten)

JOB CONTACT:

JOB PHONE (914) 963-4346

PROJECT #: 004190-01

CLIENT P.O.

DESCRIPTION OF WORK: Priority Pollutant analyses on four (4) samples marked: WEST SUMP
E. DRAINAGE AREA
S. DRAINAGE POND
FILL AREA

Also included is one (1) Field Blank (1-A) + one (1) trip blank

SPECIAL INSTRUCTIONS: Follow Chain of Custody procedures + return with report

INVOICE: LIST "RUSH" _____ HRS. DISCOUNT _____ %

EXPLAIN:

FIELD CHARGES:

SAMPLE LABEL:

SAMPLE DESCRIPTION:

WORK PERFORMED BY: _____ DATE COMPLETED:

(CIRCLE ONE) OFFICE: MIA JAX TAM WPB STL NY

COMMENTS:

HAZARDOUS: (Circle One) YES NO

WHITE - FIELD SERVICE -- YELLOW - ORIGINATOR

101481

ENVIROPACT OF JACKSONVILLE, INCORPORATED

CLIENT WORK ORDER FORM

) COMPLETED BY: L. McGan 2) LOG #: J2202 3) CLIENT #:

4a) CLIENT: Enviropact - Yonkers, N.Y.

4b) ADDRESS:

CITY STATE Z.

4c) TELEPHONE #:

5) SEND/ATTENTION OF:

6a) INVOICE AMOUNT 6b) P.O. #: -

7a) # OF SAMPLES 4 7b) COLL'D BY: Their Rep

8a) DATE SAMPLED: 3/29/88 8b) TIME SAMPLED:

9a) DATE RECEIVED: 3/31/88 9b) TIME RECEIVED: 1420

10) DATE REQUIRED: 4/14/88 11) # OF REPORT COPIES:

12) COMMENTS/SPECIAL PRECAUTIONS:

13) ANALYSIS REQUIRED: Priority Pollutants

Enviropact NE billing

RTP

4 $3600.00

bill Enviropact $2,520.00

4) AUTHORIZED BY:

SIGNATURE DATE

101482

Due 4/12

ENVIROPACT, INC. - WORK SHEET

Client: Enviropact - Yonkers NY **Type Analysis:** _____

Date In: _____ **Date Sampled:** _____ **Date Completed:** _____

Designation: METHOD 624 (page 1)

Sampled By: Sludge Samples

	West Sump (ug/g)	E. Drainage Area (ug/g)	S Drainage Area (ug/g)	Fill Area (ug/g)	F.B. (ug/L)	T.B (ug/L)				
Benzene	<	<	<	<	<	<				
Bromodichloromethane										
Bromoform										
Bromomethane										
Carbon Tetrachloride										
Chlorobenzene										
Chloroethane										
2-Chloroethylvinyl Ether										
Chloroform										
Chloromethane										
Dibromochloromethane										
1,2-Dichlorobenzene										
1,4-Dichlorobenzene										
1,3-Dichlorobenzene										
1,1-Dichloroethane										
1,2-Dichloroethane										
1,1-Dichloroethene										
Trans-1,2-Dichloroethene										
1,2-Dichloropropane										
Cis-1,3-Dichloropropene										
Trans-1,3-Dichloropropene										

101483

ENVIROPACT, INC. - WORK SHEET

Client: _____ Type Analysis: _____

Date In: _____ Date Sampled: _____ Date Completed: _____

Designation: METHOD 624 (page 2)

Sampled By: _____

Ethyl Benzene	<	<	<	<	<	<			
Methylene Chloride									
1,1,2,2-Tetrachloroethane									
Tetrachloroethene									
Toluene									
1,1,1-Trichloroethane									
1,1,2-Trichloroethane									
Trichloroethene									
Trichlorofluoromethane									
Vinyl Chloride									
Acrolein									
Acrylonitrile									
Xylene									
Dichlorodifluoromethane	<	<	<	<	<	<			

101484

ENVIROPACT, INC. - WORK SHEET

Client: _____ Type Analysis: _____

Date In: _____ Date Sampled: _____ Date Completed: _____

Designation: BASE/NEUTRAL EXTRACTABLES (page 1)

Sampled By: _____

Acenaphthene	<	<	<	<					
Acenaphthylene									
Anthracene									
Aldrin									
Benzo (a) Anthracene									
Benzo (b) Fluoranthene									
Benzo (k) Fluoranthene									
Benzo (a) Pyrene									
Benzo (g,h,i,) Perylene									
Benzyl Butyl Phthlate									
b-BHC									
d-BHC									
Bis (2-chloroethyl) Ether									
Bis(2-chloroethoxy)Methane									
Bis(2-ethyl hexyl)Phthalate	3810		1050	550					
Bis(2-chloroisopropyl)Ether	<		<	<					
4-Bromophenyl Phenyl Ether									
Chlordane									
2-Chloronaphthalene									
4-Chlorophenyl Phenyl Ether									
Chrysene									

101485

ENVIROPACT, INC. - WORK SHEET

Client: _____ Type Analysis: _____

Date In: _____ Date Sampled: _____ Date Completed: _____

Designation: BASE/NEUTRAL EXTRACTABLES (page 2)

Sampled By: _____

4,4'-DDD	<	<	<	<					
4,4'-DDE									
4,4'-DDT									
Dibenzo(a.h.)Anthracene									
Di-n-butylphthalate									
1,3-Dichlorobenzene									
1,2-Dichlorobenzene									
1,4-Dichlorobenzene									
3,3-Dichlorobenzidine									
Dieldrin									
Diethyl Phthalate									
Dimethyl Phthalate									
2,4-Dinitrotoluene									
2,6-Dinitrotoluene									
Di-n-octylphthalate									
Endosulfan Sulfate									
Endrin Aldehyde									
Fluoranthene	430								
Fluorene	<								
Heptachlor									
Heptachlor Epoxide									

101486

ENVIROPACT, INC. - WORK SHEET

Client: _____ Type Analysis: _____

Date In: _____ Date Sampled: _____ Date Completed: _____

Designation: BASE/NEUTRAL EXTRACTABLES (page 3)

Sampled By: _____

Hexachlorobenzene	<	<	<	<					
Hexachlorobutadiene									
Hexachloroethane									
Indeno(1,2,3-cd)Pyrene									
Isophorone									
Naphthalene									
Nitrobenzene									
N-Nitrosodi-n-Propylamine									
PCB-1016									
PCB-1221									
PCB-1232									
PCB-1242									
PCB-1248									
PCB-1254									
PCB 1260									
Phenanthrene									
Pyrene									
Toxaphene									
1,2,4-Trichlorobenzene									
		(D.L.x5)							
		-							

101487

ENVIROPACT, INC. - WORK SHEET

Client: _____ Type Analysis: _____

Date In: _____ Date Sampled: _____ Date Completed: _____

Designation: BASE/NEUTRAL EXTRACTABLES (page 4)

Sampled By: _____

Benzidine	<	<	<	<						
a-BHC	↓	↓	↓	↓						
g-BHC	↓	↓	↓	↓						
Endosulfan I	↓	↓	↓	↓						
Endosulfan II	↓	↓	↓	↓						
Endrin	↓	↓	↓	↓						
Hexachlorocyclopentadine	↓	↓	↓	↓						
N-Nitrosodimethylamine	↓	↓	↓	↓						
N-Nitrosodiphenylamine	↓	↓	↓	↓						
		(0.2.5)								
Dioxin, us/kg	<33	<165	<33	<33						

101488

ENVIROPACT, INC. - WORK SHEET

Client: _____

Date In: _____ Type Analysis: _____

Date Sampled: _____

Designation: ACID EXTRACTABLES

Date Completed: _____

Sampled By: _____

(ug/kg)

	West Surp	E. Drainage Area	S. Drainage Area	Fill Area						
4-Chloro-3-Methylphenol	<	<	<	<						
2-Chlorophenol										
2,4-Dichlorophenol										
2,4-Dimethylphenol										
2,4-Dinitrophenol										
2-Methyl-4,6-Dinitrophenol										
2-Nitrophenol										
4-Nitrophenol										
Pentachlorophenol										
Phenol										
2,4,6-Trichlorophenol										
		(D.L. x 5)								
Bis Chloromethyl Ether	<	<	<	<	<					
~~Bis Chloroethyl Ether~~										
1,2-Diphenylhydrazine	<	<	<	<	<					

101489

ANALYTICAL RESULTS

FOR

RADIOCHEMISTRY

101490

ENVIROPACT

Enviropact Northeast, Inc.
540 Palmer Road, 2nd Floor
Yonkers, N.Y. 10701

Attn: John Tostanoski

April 1, 1988
Report T-6187
LAB ID #84271
E84060
Page 1 of 1

Samples Received: 3/23/88
Sample Designation: Analysis as Noted
Collected By: Your Rep.

REPORT OF ANALYSIS	LI-RAD 1	LI-RAD 2	LI-RAD 3	UNITS
Gross Alpha	64	114	251	nCi/g

Analyses made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully submitted,

Michael T. Osinski

Michael T. Osinski
Laboratory Manager

ENVIROPACT SERVICES INC
TAMPA DIVISION
[illegible] AVENUE NORTH
CLEARWATER FL [illegible]
[illegible]

101491

ANALYTICAL RESULTS

FOR

OUTFALL SAMPLES

101492

Enviropact Northeast, Inc.
540 Palmer Road
Yonkers, New York 10701
Attn: John Tostanoski

April 27, 1988
Report #25647
Lab ID #86119

Samples Collected: 4/19/88
Samples Received: 4/20/88
Sample Designations: As Noted Below

Collected by: Your Rep

REPORT OF ANALYSIS	EAST OUTFALL		WEST OUTFALL	
Cis-1,3-Dichloropropene	< 10	ppb	< 10	ppb
2-Chloroethylvinyl Ether	< 10	ppb	< 10	ppb
Bromoform	< 10	ppb	< 10	ppb
1,1,2,2-Tetrachloroethane	< 10	ppb	< 10	ppb
Tetrachloroethene	< 10	ppb	< 10	ppb
Chlorobenzene	< 10	ppb	< 10	ppb
1,3-Dichlorobenzene	< 10	ppb	< 10	ppb
1,2-Dichlorobenzene	< 10	ppb	< 10	ppb
1,4-Dichlorobenzene	< 10	ppb	< 10	ppb
Benzene	< 10	ppb	< 10	ppb
Ethyl Benzene	< 10	ppb	< 10	ppb
Methyl Tert Butyl Ether	< 10	ppb	< 10	ppb
Chromium	7.2	ppb	4.4	ppb
Nickel	9.9	ppb	11	ppb
Lead	58	ppb	56	ppb

Analyses made in accordance with E.P.A., A.S.T.M., Standard Methods or other approved methods.

Respectfully Submitted,

Michael Rentoumis (A.)

Michael Rentoumis
Laboratory Supervisor
Enviropact Services, Inc.

101493

REFERENCE NO. 50

101494

ATTACHMENT 1
SOP NO. HW-6

PAGE__OF__

DATA ASSESSMENT:

10. OTHER QC DATA OUT OF SPECIFICATION:

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT (continued on next page if necessary):

12. CONTRACT PROBLEMS____NON-COMPLIANCE:

VOA - Transcription errors on form SA (BFB) for 5/7/90 18:56 & 5/3/90 7:18 also bad copy of Raw data 5/7/90 11:49. Lab was called for resubmittals.

All Fractions - MS/MSD analysis was performed on the wrong sample. BDK66 was designated & analysis was run on BDK67.

13. This package contains re-extraction, re-analysis or dilution. Upon reviewing the QA results, the following form I(s) are identified to be used.

Region 2

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO. 14115

SDG NO. ~~SDG6~~ BDX63

LABORATORY Centy

SOW 788

DATA USER FIT2

NO. OF SAMPLES 8 WATER 2 SOIL ____ OTHER ____

REVIEW COMPLETION DATE 6/29/90

REVIEWER [ ] ESD [ ] ESAT [X] OTHER, CONTRACT/CONTRACTOR FIT2

	VOA	BNA	PEST	OTHER
1. HOLDING TIMES	O	M	M	
2. GC-MS TUNE/ GC PERFORMANCE	O	O	O	
3. INITIAL CALIBRATIONS	X	O	O	
4. CONTINUING CALIBRATIONS	O	O	O	
5. FIELD BLANKS ("F" = not applicable)	F	O	O	
6. LABORATORY BLANKS	O	O	O	
7. SURROGATES	O	O	O	
8. MATRIX SPIKE/DUPLICATES	O	O	O	
9. REGIONAL QC ("F" = not applicable)	F	F	F	
10. INTERNAL STANDARDS	O	O		
11. COMPOUND IDENTIFICATION	O	O	O	
12. COMPOUND QUANTITATION	O	O	O	
13. SYSTEM PERFORMANCE	O	O	O	
14. OVERALL ASSESSMENT	X ~~O~~	M	M	

O = No problems or minor problems that do not affect data usability.
X = No more than *about* 5% of the data points are qualified as either estimated or unusable.
M = More than *about* 5% of the data points are qualified as estimated.
Z = More than *about* 5% of the data points are qualified as unusable.

DPO ACTION ITEMS:

AREAS OF CONCERN:

101496

Type of Review: total

Date: 6/29/90

Case #: 14115

Project: hi Tungsten

Lab Name: Century

Reviewer's Initials: JS

Number of Samples: 8w, 2s

Analytes Rejected Due to Exceeding Review Criteria:

	Surrogates	Holding Time	Calibration	Contamination	ID	Other	Total # Samples	Total # Rejected/ Total # in all Samples
Acids (15)							9	0/135
B/N (50)							9	0/450
VOA (35)			2/2				10	2/350
PEST (20)		40/2					9	40/180
PCB (7)		14/2					9	14/63
TCDD (1)							0	0/0

Analytes Estimated Due to Exceeding Review Criteria for:

Acids (15)		30/2					9	30/135
B/N (50)		100/2					9	100/450
VOA (35)							10	0/350
PEST (20)							9	0/180
PCB (7)							9	0/63
TCDD (1)							0	0/0

101497

RECEIVED

REPORT NARRATIVE

The following report contains the results for samples submitted to NET Atlantic, Inc. by EPA for case 14115. The samples were received by the laboratory on April 15, 1990. This report contains volatile, semivolatile, and pesticides/pcb analysis. The samples associated with this report are BDK63, BDK64, BDK65, BDK66, BDK67, BDK68, BDK69, BDK72, BDK73, and BDP03.

Samples were specified on the traffic report for MS/MSD analysis. The volatile soil QC was performed on the wrong sample. BDK66 was designated the QC sample and QC was performed on BDK67. All other QC was performed on the designated samples.

The soil blank for the pesticide analysis had hits above the CRQL. As per the SOW these samples were reextracted along with another blank. The reextracts were performed out of hold times. The reextracted blank met contract requirements and the results for samples BDK66 and BDK67 were taken from the reextracted samples. The original soil blank has been included in the report to show the contamination that was present and has been designated PBLK02.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the lab manager or his designee, as verified by the following signature.

Doug Weiler Date

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report
(For CLP Use Only)

Case Number: 14115
SAS No. (if applicable):

1. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate SDG # BDK63
5. Soil/Sediment
6. Oil (SAS)
7. Waste (SAS)
8. Other (SAS) (Specify)

2. Region Number: 2
Sampling Co.: MS-FIT
Sampler (Name): R. Scerbo
3. Ship To: NET Mid-Atlantic, Inc. 100 Grove Rd. Thorofare, NJ 08086 Patricia Will

4. Date Shipped: 5/15/90
Airbill Number: 6625946471
Carrier: Fed-Ex

Triple volume required for matrix spike/duplicate aqueous sample.
Ship medium and high concentration samples in paint cans.
See reverse for additional instructions.

5. Date Received: 5/16/90 Received by: Sharon Salvatini
Laboratory Contract Number: 68-W8-0078
Unit Price: 930.00
6. Transfer to
Date Received
Received by
Contract Number
Price

CLP Sample Number (From labels)	(A) Sample Description (From box 1)	(B) Concentration L=low M=med H=high	(C) RAS Analysis VOA	BNA	Pest/PCB	(D) Special Handling	(E) Station Location	(F) Date/Time of Sample Collection	(G) Corresponding CLP Inorganic Sample Number	(H) Sample Condition on Receipt	(I) High Conc. Phases (Check below) Solid	Water—MIS Liq.	Non Water—MIS Liq.
BDK 63	1	L	X	X	X		NYJL-SW1	5/15/90 1005	MBCP 89				
BDK 64	1	L	X	X	X	ms/msD	NYJL-SW2	5/16/90 1315	MBCP 90				
BDK 65	1	L	X	X	X		NYJL-SW3	5/15/90 1015	MBCP 91				
BDK 66	5	L	X	X	X	ms/msD	NYJL-SED1	1205	MBCP 92				
BDK 67	5	L	X	X	X		NYJL-SED2	1210	MBCP 93				
BDK 68	4	L	X	X	X	rinsate-scoop	-Rin 1	1005	MBCP 94				
BDK 69	4	L	X	X	X	rinsate dredge	-Rin2	0935	MBCP 95				
BDK 72	4	L	X	X	X	rinsate bowl	-Rin 3	1025	MBCP 96				
BDK 73	4	L	X	X	X	rinsate trowel	-Rin 4	1045	MBCJ 65				
BDP 03	3	L	X			trip blank	TBLK1	0900					

FINAL SDG # BDP03

101499

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK63

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8479

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK64

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8470

Level: (low/med) LOW Date Received: 5/15/90

Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK64

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8470

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	7.	
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	36.	
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

DATA ASSESSMENT:

9. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for some additional qualification of the data.

DATA ASSESSMENT:

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT (continued):

02-9003-01-STR2
Rev. No. 0

SAMPLING TRIP REPORT

SITE NAME: Li Tungsten

TDD NO: 02-9003-01

SAMPLING DATE: May 15, 1990

EPA CASE NO: 14115

1. Site Location: Refer to Figure 1

2. Sampling Locations: Refer to Figure 2

3. Sample Descriptions: Refer to Table 1

4. Laboratories Receiving Samples:

Sample Type	Name and Address of Laboratory
Organics	NET Mid-Atlantic, Inc. 100 Grove Road Thorofare, NJ 08086
Inorganics	Betz Laboratories 4636 Somerton Road Trevose, PA 19047

5. Sample Dispatch Data:

A total of 8 aqueous and 2 sediment samples for organic analysis were shipped by FIT 2 personnel via Federal Express under Airbill No. 6625946471 to NET Mid-Atlantic, Inc. on May 15, 1990 at 1530 hours.

A total of 7 aqueous and 2 sediment samples for inorganic analysis were shipped by FIT 2 personnel via Federal Express under Airbill No. 6625946460 to Betz Laboratories, Inc. on May 15, 1990 at 1530 hours.

A total of 3 aqueous and 2 sediment samples for special analytical services (Radiological Parameters) were deposited by FIT 2 Personnel in the Archive Room of the U.S. EPA, Edison, NJ, on May 16, 1990 at 0930 hours. A total of 2 aqueous samples of decontamination and well purge water for RCRA characterization were also deposited by FIT 2 Personnel in the Archive Room of the U.S. EPA, Edison, NJ on May 16, 1990 at 0930 hours. These Archive Room samples are awaiting the assignment to a contract laboratory.

6. Sampling Personnel:

Name	Organization	Duties on Site
Steven Okulewicz	NUS Corporation, FIT 2	Site Manager
Joseph Filosa	NUS Corporation, FIT 2	Sampler
Phillip Cicolello	NUS Corporation, FIT 2	Sampler
Robert Scerbo	NUS Corporation, FIT 2	Sample Management Officer
Richard Feinberg	NUS Corporation, FIT 2	Health and Safety Officer

Other On-Site Personnel:

Farrokh Jahandari	Hart Environmental Management Corp.	Consultant for Li Tungsten
Michael O. Flynn, Jr.	Direct Environmental Inc.	Contractor for Li Tungsten

7. Weather Conditions:

Sunny, clear, temp 70°F, light wind from Northwest at 5 mph.

8. Additional Comments:

This second sampling event at Li Tungsten was necessary since these samples could not be collected or screened for Health and Safety considerations during the initial sampling, due to the failure of air monitoring equipment.

All samples except the trip blank will be analyzed for Target Compound List (TCL) organic and inorganic compounds, including cyanide. The trip blank will be analyzed for volatile organic compounds only.

All planned samples were collected. There were no air readings above background on the organic vapor analyzer (OVA) and on the HNu photoionization detector during sampling of surface waters. During the collection of SED1 and SED 2, a reading of 0.05 mr/hr was recorded on the Victoreen Radiation Meter and no air readings above background were detected on the OVA and the HNu.

Aqueous samples were also taken from decontamination and well purge water drummed during a NUS Corp., Region 2 FIT sampling trip on April 18-19, 1990. One sample from each drum was collected. An air reading of 100 ppm on the OVA and 15 ppm on the HNu was detected from the drum containing decontamination water. An air reading of 15-20 ppm was recorded on the OVA from the drum containing well purge water. No readings above background were recorded on the Victoreen Radiation Meter from either of the drums.

9. Report Prepared By: Steven Okulewicz Date: 05/18/90

10. Approved By: Charles [illegible] Date: 6/4/90

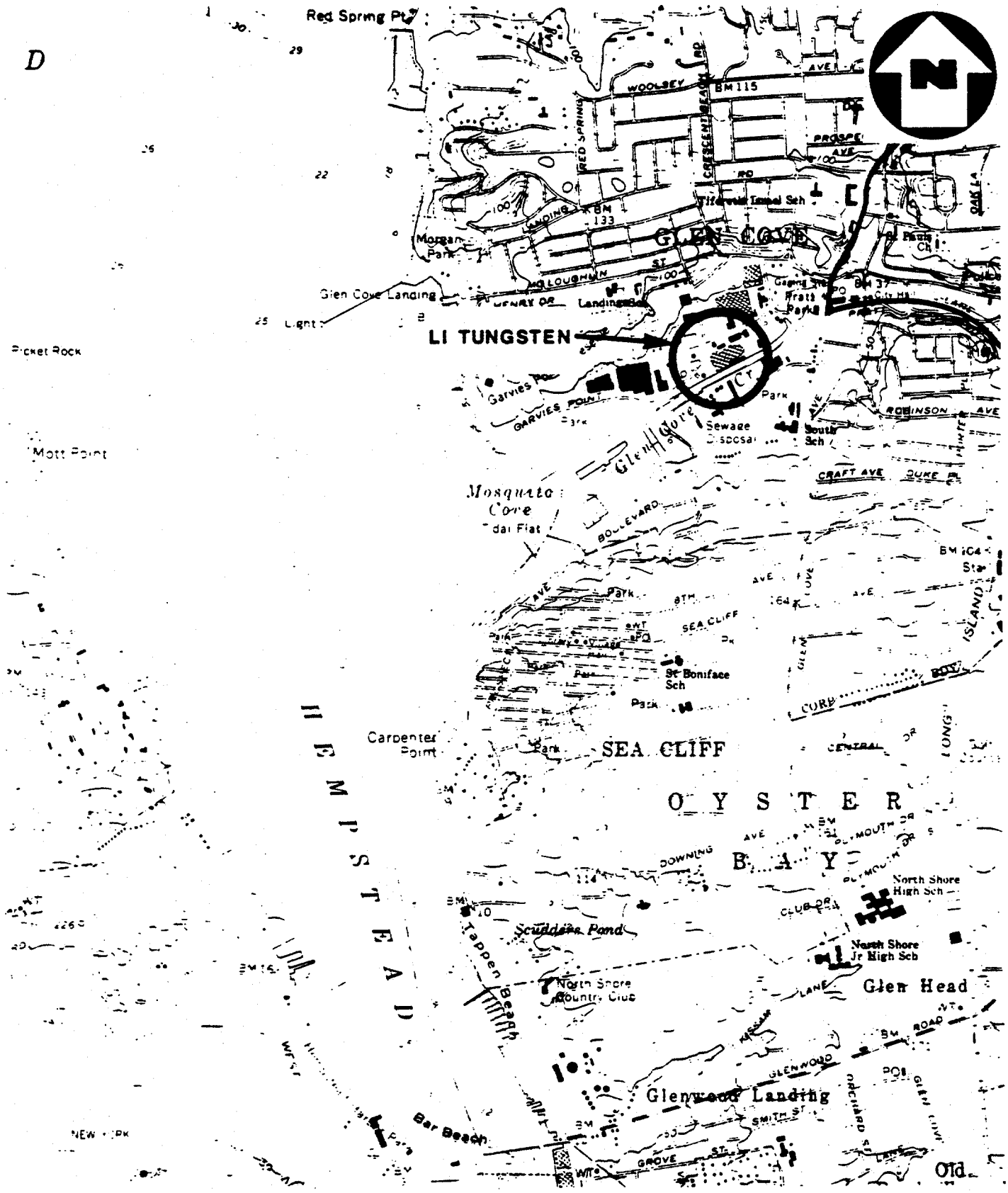
TABLE I
SAMPLE DESCRIPTIONS
LI TUNGSTEN
GLEN COVE, NEW YORK
CASE NO. 14115
MAY 15, 1990

Sample ID Number	Organic CLP Number	Inorganic CLP Number	Time Hours	Sample Type	Sample Location
NYJL-SW1	BDK63	MBCP89	1005	Aqueous	Surface water sample collected from oil recovery sump west of the Dice Building.
NYJL-SW2**	BDK64	MBCP90	1315	Aqueous	Surface water sample collected from flooded floor at entrance doorway of East Building.
NYJL-SW3*	BDK65	MBCP91	1015	Aqueous	Same location as NYJL-SW1
NYJL-SED1**	BDK66	MBCP92	1205	Sediment	Sediment sample collected from oil recovery sump west of the Dice Building.
NYJL-SED2*	BDK67	MBCP93	1210	Sediment	Same location as NYJL-SED1.
NYJL-RIN1	BDK68	MBCP94	1005	Aqueous	Scoop rinsate blank collected in the field.
NYJL-RIN2	BDK69	MBCP95	0935	Aqueous	Dredge rinsate blank collected in the field.
NYJL-RIN3	BDK72	MBCP96	1025	Aqueous	Bowl rinsate blank collected in the field.
NYJL-RIN4	BDK73	MBCJ65	1045	Aqueous	Trowel rinsate blank collected in the field.
NYJL-TBLK1	BDP03	NA	0900	Aqueous Trip Blank	Trip Blank; demonstrated analyte-free water obtained from NUS Corp., Region 2 FIT, Edison, NJ.

NOTE:

* Indicates that this sample was designated as an environmental duplicate sample.

** Indicates that additional volume was collected and shipped to the laboratory for matrix spike (MS) and matrix spike duplicate (MSD) analysis.



(QUAD) SEA CLIFF, N.Y.

SITE LOCATION MAP

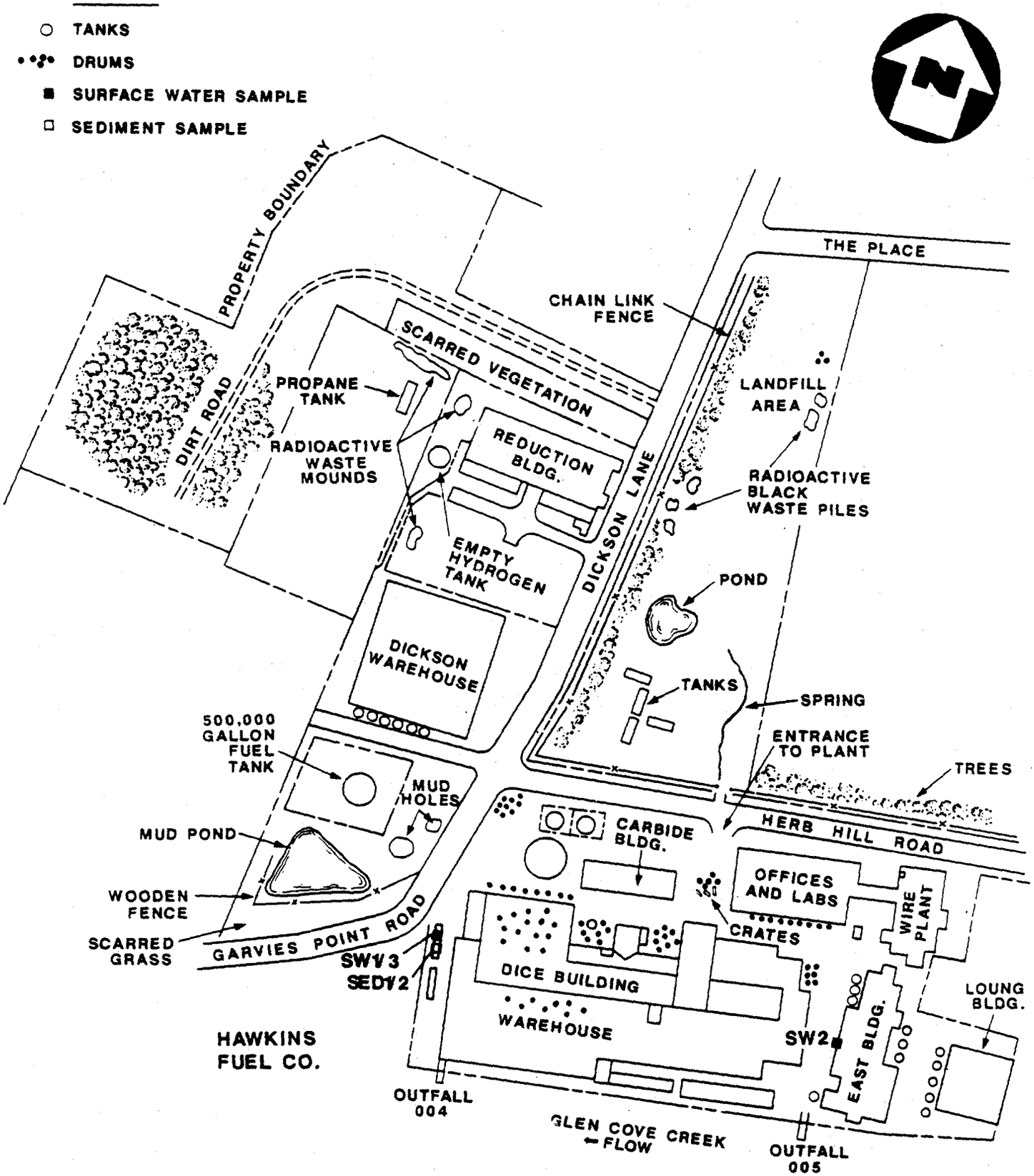
FIGURE 1 101508

LI TUNGSTEN, GLEN COVE, N.Y.

SCALE: 1" = 2000'

NUS CORPORATION

02-9003-01-ST
Rev.No.0



NOTE: ALL SAMPLE NUMBERS ARE PRECEDED BY NYJL

FIGURE 2

SAMPLE LOCATION MAP

LI TUNGSTEN, GLEN COVE, LONG ISLAND, N.Y.

NOT TO SCALE

NUS CORPORATION

101509

1 of 2

- COPY OF CLP DATA

(REDLINED AND MARKED)

- COMPUTER QA'd PRINTOUT

SITE NAME: Li Tungsten

CASE# AND/OR SAS#: 14115

BRICS#: NYJL

TDD#: 02-9003-01

101510

SITE NAME: LI TUNGST
TDD#: 02-9003-01
SAMPLING DATE: 5/15/90
EPA CAS NO.: 14115 LAB: NET MID-ATLANTIC

VOLATILES										
Sample ID No.	NYJL-SW1	NYJL-SW2(MS/MSD)	NYJL-SW3(DUP)	NYJL-SED1(MS/MSD)	NYJL-SED2(DUP)	NYJL-RIN1	NYJL-RIN2	NYJL-RIN3	NYJL-RIN4	NYJL-TBLK1
Traffic Report No.	BDK63	BDK64	BDK65	BDK66	BDK67	BDK68	BDK69	BDK72	BDK73	BDP03
Matrix	WATER	WATER	WATER	SEDIMENT	SEDIMENT	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor	1	1	1	1	1	1	1	1	1	1
Percent Moisture	--	--	--	44	45	--	--	--	--	--
Chloromethane										
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride				J						
Acetone										
Carbon Disulfide										
1,1-Dichloroethene										
1,1-Dichloroethane										
Trans-1,2-Dichloroethene (total)										
Chloroform										
1,2-Dichloroethane										
2-Butanone				R	R					
1,1,1-Trichloroethane										
Carbon Tetrachloride										
Vinyl Acetate										
Bromodichloromethane										
1,2-Dichloropropane										
cis-1,3-Dichloropropene										
Trichloroethene		7								
Dibromochloromethane										
1,1,2-Trichloroethane		36								
Benzene										
trans-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-Pentanone										
2-Hexanone										
Tetrachloroethene										
Toluene										
,1,2,2-Tetrachloroethane										
hlorobenzene										
thylbenzene										
tyrene										
ylenes (Total)										

OTES:
lank space - compound analyzed for but not detected
- compound found in lab blank as well as sample, indicates possible/probable blank contamination
- estimated value
- estimated value, compound present below CRQL but above IDL
- analysis did not pass EPA QA/QC
- Presumptive evidence of the presence of the material
- analysis not required
tection limits elevated if Dilution

101511

SITE NAME: LI TUNGST.
TDD#: 02-9003-01
SAMPLING DATE: 5/15/90
EPA CASE NO.: 14115 LAB: NET MID-ATLANTIC

SEMI-VOLATILES										
Sample ID No.	NYJL-SW1	NYJL-SW2(MS/MSD)	NYJL-SW3(DUP)	NYJL-SED1(MS/MSD)	NYJL-SED2(DUP)	NYJL-RIN1	NYJL-RIN2	NYJL-RIN3	NYJL-RIN4	NYJL-TBLK1
Traffic Report No.	BDK63	BDK64	BDK65	BDK66	BDK67	BDK68	BDK69	BDK72	BDK73	BDP03
Matrix	WATER	WATER	WATER	SEDIMENT	SEDIMENT	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1	N/A
Percent Moisture	--	--	--	44	45	--	--	--	--	N/A
Phenol										NR
bis(2-Chloroethyl)ether										NR
2-Chlorophenol										NR
1,3-Dichlorobenzene										NR
1,4-Dichlorobenzene										NR
Benzyl alcohol										NR
1,2-Dichlorobenzene										NR
2-Methylphenol										NR
bis(2-Chloroisopropyl)ether										NR
4-Methylphenol										NR
N-Nitroso-di-n-dipropylamine										NR
Hexachloroethane										NR
Nitrobenzene										NR
Isophorone										NR
2-Nitrophenol										NR
2,4-Dimethylphenol										NR
Benzoic acid					J					NR
bis(2-Chloroethoxy)methane										NR
2,4-Dichlorophenol										NR
1,2,4-Trichlorobenzene										NR
laphthalene										NR
4-Chloroaniline										NR
lexachlorobutadiene										NR
4-Chloro-3-Methylphenol										NR
-Methylnaphthalene										NR
exachlorocyclopentadiene										NR
,4,6-Trichlorophenol										NR
,4,5-Trichlorophenol										NR
-Chloronaphthalene										NR
-Nitroaniline										NR
imethylphthalate										NR
cenaphthylene										NR
,6-Dinitrotoluene										NR
-Nitroaniline										NR
cenaphthene										NR
,4-Dinitrophenol										NR
Nitrophenol										NR
benzofuran										NR
4-Dinitrotoluene										NR
ethylphthalate										NR
Chlorophenyl-phenyl ether										NR
uorene										NR
Nitroaniline										NR
6-Dinitro-2-methylphenol										NR
nitrosodiphenylamine										NR
Bromophenyl-phenyl ether										NR
xachlorobenzene										NR

101512

SITE NAME: LI TUNG
TOD#: 02-9003-01
SAMPLING DATE: 5/15/90
EPA CASE NO.: 14115 LAB: NET MID-ATLANTIC

SEMI-VOLATILES										
Sample ID No.	NYJL-SW1	NYJL-SW2(MS/MSD)	NYJL-SW3(DUP)	NYJL-SED1(MS/MSD)	NYJL-SED2(DUP)	NYJL-RIN1	NYJL-RIN2	NYJL-RIN3	NYJL-RIN4	NYJL-TBLK1
Traffic Report No.	BDK63	BDK64	BDK65	BDK66	BDK67	BDK68	BDK69	BDK72	BDK73	BDP03
Matrix	WATER	WATER	WATER	SEDIMENT	SEDIMENT	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1	N/A
Percent Moisture	--	--	--	44	45	--	--	--	--	N/A
Pentachlorophenol										NR
Phenanthrene										NR
Anthracene										NR
Di-n-butylphthalate					J					NR
Fluoranthene										NR
Pyrene										NR
Butylbenzylphthalate										NR
3,3'-Dichlorobenzidine										NR
Benzo(a)anthracene										NR
Chrysene										NR
bis(2-Ethylhexyl)phthalate				J	J					NR
Di-n-octylphthalate										NR
Benzo(b)fluoranthene										NR
Benzo(k)fluoranthene										NR
Benzo(a)pyrene										NR
Indeno(1,2,3-cd)pyrene										NR
Dibenz(a,h)anthracene										NR
Benzo(g,h,i)perylene										NR

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
J - estimated value
J - estimated value, compound present below CRQL but above IDL
- analysis did not pass EPA QA/QC
- Presumptive evidence of the presence of the material
R - analysis not required
etection limits elevated if Dilution actor >1 and/or percent moisture >0%

SITE NAME: LI TUNGSTEN
TDD#: 02-9003-01
SAMPLING DATE: 5/15/
EPA CASE NO.: 14115 LAB: NET MID-ATLANTIC

PESTICIDES										
Sample ID No.	NYJL-SW1	NYJL-SW2(MS/MSD)	NYJL-SW3(DUP)	NYJL-SED1(MS/MSD)	NYJL-SED2(DUP)	NYJL-RIN1	NYJL-RIN2	NYJL-RIN3	NYJL-RIN4	NYJL-TBLK1
Traffic Report No.	BDK63	BDK64	BDK65	BDK66	BDK67	BDK68	BDK69	BDK72	BDK73	BDP03
Matrix	WATER	WATER	WATER	SEDIMENT	SEDIMENT	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1	N/A
Percent Moisture	--	--	--	44	45	--	--	--	--	N/A
alpha-BHC										NR
beta-BHC										NR
delta-BHC										NR
gamma-BHC (Lindane)										NR
Heptachlor										NR
Aldrin										NR
Heptachlor epoxide										NR
Endosulfan I										NR
Dieldrin										NR
4,4'-DDE										NR
Endrin										NR
Endosulfan II										NR
4,4'-DDD										NR
Endosulfan sulfate										NR
4,4'-DDT										NR
Methoxychlor										NR
Endrin ketone										NR
alpha-Chlordane										NR
gamma-Chlordane										NR
Toxaphene										NR
Aroclor-1016										NR
Aroclor-1221										NR
Aroclor-1232										NR
Aroclor-1242										NR
Aroclor-1248										NR
Aroclor-1254										NR
Aroclor-1260										NR

OTES:
lank space - compound analyzed for but not detected
- compound found in lab blank as well as sample, indicates possible/probable blank contamination
- estimated value
- estimated value, compound present below CRQL but above IDL
- analysis did not pass EPA QA/QC
- Presumptive evidence of the presence of the material
- analysis not required
tection limits elevated if Dilution tor >1 and/or percent moisture >0%

SITE NAME: LI TUNGSTEN
TDD#: 02-9003-01
SAMPLING DATE: 5/15/90
EPA CASE NO.: 14115
LAB NAME: BETZ

INORGANICS	NYJL-SW1	NYJL-SW2(MS/MSD)	NYJL-SW3(DUP)	NYJL-SED1(MS/MSD)	NYJL-SED2(DUP)	NYJL-RIN1	NYJL-RIN2	NYJL-RIN3	NYJL-RIN4	NYJL-TBLK1
Sample ID No.	MBCP89	MBCP90	MBCP91	MBCP92	MBCP93	MBCP94	MBCP95	MBCP96	MBCJ65	N/A
Traffic Report No.	WATER	WATER	WATER	SEDIMENT	SEDIMENT	WATER	WATER	WATER	WATER	N/A
Matrix	ug/L	ug/L	ug/L	mg/kg	mg/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Units										
luminum	J	J	J	1350	610					NR
ntimony		J			R					NR
rsenic	J	11	J	72.1	37					NR
arium	J	J	J	J	J	J	J	J	J	NR
eryllium				J	J					NR
admium				2.7						NR
alcium	90700	53100	94100	202000	308000					NR
hromium				35.4 E	21.5 E					NR
obalt	51	366	53	3970	1530					NR
opper	25	504	25	610	293					NR
ron	J	1760	J	2780	1980	J	J			NR
ead	4.2 E	15.8 E	3.9 E	341	243					NR
agnesium	J	12500	J	J	J					NR
anganese	J	1640	J	1090	491		J			NR
ercury				0.23	0.21					NR
ickel	J	544	J	1110	450					NR
otassium	24900 E	22200 E	24700 E	J		J				NR
elenium		J								NR
ilver				14.3	7.6					NR
odium	919000	53100	867000	7720 E	12600 E	J			J	NR
hallium				R	R					NR
anadium	J		J	112 E	57.2 E					NR
inc	30.7	265 E	35.8	782 E	303 E					NR
yanide	J	11.7	11.4							NR

NOTES:
Blank space - compound analyzed for but not detected
J - estimated value
E - estimated value, compound present below CRDL but above IDL
R - analysis did not pass EPA QA/QC
NR - analysis not required

101515

ATTACHMENT 1
SOP NO. HW-6

PAGE __OF__

TOTAL REVIEW

CLP DATA ASSESSMENT

Functional Guidelines for Evaluating Organics Analysis

Case No. 14175 SDG No. BDR63 LABORATORY Centry SITE [illegible]

DATA ASSESSMENT:

The current functional guidelines (1988) for evaluating organic data have been applied.

All data are valid and acceptable except those analytes which have been qualified with a "J" (estimated), "U" (non-detects), "R" (unusable),or "JN" (presumptive evidence for the presence of the material at an estimated value). All action is detailed on the attached sheets.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Reviewer's Signature: [signature] Date: 6/29/1990

Verified By: Pamela D. Greenlaw Date: 6/29/1990

101516

DATA ASSESSMENT:

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following action was taken in the samples and analytes shown due to excessive holding time.

BN+A - All analytes in BDK66+67 were extracted 3 days out of holding time, therefore they were flagged estimated "J".

PEST - BDK66+67 were extracted 30 days out of holding time therefore all analytes were ~~rejected~~ estimated (J)

ATTACHMENT 1
SOP NO. HW-6

DATA ASSESSMENT:

2. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip field, rinse and water blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross- contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for the common contaminants), the analytes are qualified as non- detects, "U". The following analytes in the samples shown were qualified with "U" for these reasons:

A) Method blank contamination

B) Field or rinse blank contamination ("water blanks" or "distilled water blanks" are validated like any other sample)

C) Trip blank contamination

ATTACHMENT 1
SOP NO. HW-6

DATA ASSESSMENT:

3. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB) and for semi-volatiles is decafluorotriphenyl- phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable, "R".

DATA ASSESSMENT:

4. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) RESPONSE FACTOR:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be $\geq$ 0.05 in both the initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected ("R").

VOA - 2Butanone RRF <.05 in init. & cont. calib. therefore it was rejected in soil samples BDK66+67.

DATA ASSESSMENT:

5. CALIBRATION:

A) PERCENT RELATIVE STANDARD DEVIATION (%RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ" (if %D or RSD >50%). If there is a gross deviation of %RSD and %D, the non-detects may be rejected ("R").

For the PCB/PESTICIDE fraction, %RSD for aldrin, endrin, DDT, and dibutylchlorendate must not exceed 10%. Percent D must be within 15% on the quantitation column and 20% on the confirmation column.

DATA ASSESSMENT:

6. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

DATA ASSESSMENT:

7. INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction.

DATA ASSESSMENT:

8. COMPOUND IDENTIFICATION:

A) VOLATILE AND SEMI-VOLATILE FRACTIONS:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

B) PESTICIDE FRACTION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10 ng/ml in the final sample extract.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK63

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8479

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK65

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8473

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK65

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8473

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDK66

ab Name: CENTRY Contract: 68-W8-0078

ab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: PDK63

atrix: (soil/water) SOIL Lab Sample ID:

ample wt/vol: 5.0 (g/mL) G Lab File ID: D4365

evel: (low/med) LOW Date Received: 5/15/90

Moisture: not dec. 44. Date Analyzed: 5/18/90

olumn: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	18.	U
74-83-9	Bromomethane	18.	U
75-01-4	Vinyl Chloride	18.	U
75-00-3	Chloroethane	18.	U
75-09-2	Methylene Chloride	5.	J
67-64-1	Acetone	18.	U
75-15-0	Carbon Disulfide	9.	U
75-35-4	1,1-Dichloroethene	9.	U
75-34-3	1,1-Dichloroethane	9.	U
540-59-0	1,2-Dichloroethene (total)	9.	U
67-66-3	Chloroform	9.	U
107-06-2	1,2-Dichloroethane	9.	U
78-93-3	2-Butanone	18.	~~U~~
71-55-6	1,1,1-Trichloroethane	9.	U
56-23-5	Carbon Tetrachloride	9.	U
108-05-4	Vinyl Acetate	18.	U
75-27-4	Bromodichloromethane	9.	U
78-87-5	1,2-Dichloropropane	9.	U
10061-01-5	cis-1,3-Dichloropropene	9.	U
79-01-6	Trichloroethene	9.	U
124-48-1	Dibromochloromethane	9.	U
79-00-5	1,1,2-Trichloroethane	9.	U
71-43-2	Benzene	9.	U
10061-02-6	Trans-1,3-Dichloropropene	9.	U
75-25-2	Bromoform	9.	U
108-10-1	4-Methyl-2-Pentanone	18.	U
591-78-6	2-Hexanone	18.	U
127-18-4	Tetrachloroethene	9.	U
79-34-5	1,1,2,2-Tetrachloroethane	9.	U
108-88-3	Toluene	9.	U
108-90-7	Chlorobenzene	9.	U
100-41-4	Ethylbenzene	9.	U
100-42-5	Styrene	9.	U
1330-20-7	Xylene (total)	9.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK66

Lab Name: CENTRY Contract: 88-WB-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D4366

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 44. Date Analyzed: 5/18/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5DK67

Lab Name: CENTRY Contract: 68-W8-0076

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D4367

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 45. Date Analyzed: 5/18/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	18.	U
74-83-9	Bromomethane	18.	U
75-01-4	Vinyl Chloride	18.	U
75-00-3	Chloroethane	18.	U
75-09-2	Methylene Chloride	9.	U
67-64-1	Acetone	18.	U
75-15-0	Carbon Disulfide	9.	U
75-35-4	1,1-Dichloroethene	9.	U
75-34-3	1,1-Dichloroethane	9.	U
540-59-0	1,2-Dichloroethene (total)	9.	U
67-66-3	Chloroform	9.	U
107-06-2	1,2-Dichloroethane	9.	U
78-93-3	2-Butanone	18.	~~U~~ K
71-55-6	1,1,1-Trichloroethane	9.	U
56-23-5	Carbon Tetrachloride	9.	U
108-05-4	Vinyl Acetate	18.	U
75-27-4	Bromodichloromethane	9.	U
78-87-5	1,2-Dichloropropane	9.	U
10061-01-5	cis-1,3-Dichloropropene	9.	U
79-01-6	Trichloroethene	9.	U
124-48-1	Dibromochloromethane	9.	U
79-00-5	1,1,2-Trichloroethane	9.	U
71-43-2	Benzene	9.	U
10061-02-6	Trans-1,3-Dichloropropene	9.	U
75-25-2	Bromoform	9.	U
108-10-1	4-Methyl-2-Pentanone	18.	U
591-78-6	2-Hexanone	18.	U
127-18-4	Tetrachloroethene	9.	U
79-34-5	1,1,2,2-Tetrachloroethane	9.	U
108-88-3	Toluene	9.	U
108-90-7	Chlorobenzene	9.	U
100-41-4	Ethylbenzene	9.	U
100-42-5	Styrene	9.	U
1330-20-7	Xylene (total)	9.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK67

b Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D4367

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 45. Date Analyzed: 5/18/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK68

R/N

ab Name: CENTRY Contract: 68-W8-0078

ab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

atrix: (soil/water) WATER Lab Sample ID:

ample wt/vol: 5.0 (g/mL) ML Lab File ID: E8474

evel: (low/med) LOW Date Received: 5/15/90

Moisture: not dec. 100. Date Analyzed: 5/17/90

olumn: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK68

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8474

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK69

R/N

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: EB475

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK69

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8475

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK72

R,N

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8478

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK72

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8478

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK73

RIN

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8476

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK73

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8476

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDP03

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8477

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	Trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SDP03

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E8477

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. Date Analyzed: 5/17/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK63

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0749

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-Chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK63

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0749

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK63

b Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0749

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK64

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0752

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-Chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK64

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0752

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK64

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0752

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	36.25	10.	J
2.	- -	UNKNOWN	37.01	10.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK65

Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: A4662

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-Chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK65

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: A4662

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK65

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: A4662

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK66

Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F0779

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 44. dec. 44. Date Extracted: 5/25/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/30/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	590.	U
111-44-4	bis(2-Chloroethyl)ether	590.	U
95-57-8	2-Chlorophenol	590.	U
541-73-1	1,3-Dichlorobenzene	590.	U
106-46-7	1,4-Dichlorobenzene	590.	U
100-51-6	Benzyl alcohol	590.	U
95-50-1	1,2-Dichlorobenzene	590.	U
95-48-7	2-Methylphenol	590.	U
39638-32-9	bis(2-Chloroisopropyl)ether	590.	U
106-44-5	4-Methylphenol	590.	U
621-64-7	N-Nitroso-di-n-propylamine	590.	U
67-72-1	Hexachloroethane	590.	U
98-95-3	Nitrobenzene	590.	U
78-59-1	Isophorone	590.	U
88-75-5	2-Nitrophenol	590.	U
105-67-9	2,4-Dimethylphenol	590.	U
65-85-0	Benzoic acid	3000.	U
111-91-1	bis(2-Chloroethoxy)methane	590.	U
120-83-2	2,4-Dichlorophenol	590.	U
120-82-1	1,2,4-Trichlorobenzene	590.	U
91-20-3	Naphthalene	590.	U
106-47-8	4-Chloroaniline	590.	U
87-68-3	Hexachlorobutadiene	590.	U
59-50-7	4-Chloro-3-methylphenol	590.	U
91-57-6	2-Methylnaphthalene	590.	U
77-47-4	Hexachlorocyclopentadiene	590.	U
88-06-2	2,4,6-Trichlorophenol	590.	U
95-95-4	2,4,5-Trichlorophenol	3000.	U
91-58-7	2-Chloronaphthalene	590.	U
88-74-4	2-Nitroaniline	3000.	U
131-11-3	Dimethylphthalate	590.	U
208-96-8	Acenaphthylene	590.	U
606-20-2	2,6-Dinitrotoluene	590.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK66

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F0779

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 44. dec. 44. Date Extracted: 5/25/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/30/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3000.	U J
83-32-9	Acenaphthene	590.	U
51-28-5	2,4-Dinitrophenol	3000.	U
100-02-7	4-Nitrophenol	3000.	U
132-64-9	Dibenzofuran	590.	U
121-14-2	2,4-Dinitrotoluene	590.	U
84-66-2	Diethylphthalate	590.	U
7005-72-3	4-Chlorophenyl-phenylether	590.	U
86-73-7	Fluorene	590.	U
100-01-6	4-Nitroaniline	3000.	U
534-52-1	4,6-Dinitro-2-methylphenol	3000.	U
86-30-6	N-Nitrosodiphenylamine (1)	590.	U
101-55-3	4-Bromophenyl-phenylether	590.	U
118-74-1	Hexachlorobenzene	590.	U
87-86-5	Pentachlorophenol	3000.	U
85-01-8	Phenanthrene	590.	U
120-12-7	Anthracene	590.	U
84-74-2	Di-n-butylphthalate	590.	U
206-44-0	Fluoranthene	590.	U
129-00-0	Pyrene	590.	U
85-68-7	Butylbenzylphthalate	590.	U
91-94-1	3,3'-Dichlorobenzidine	1200.	U
56-55-3	Benzo(a)anthracene	590.	U
218-01-9	Chrysene	590.	U
117-81-7	bis(2-Ethylhexyl)phthalate	130.	J
117-84-0	Di-n-octylphthalate	590.	U
205-99-2	Benzo(b)fluoranthene	590.	U
207-08-9	Benzo(k)fluoranthene	590.	U
50-32-8	Benzo(a)pyrene	590.	U
193-39-5	Indeno(1,2,3-cd)pyrene	590.	U
53-70-3	Dibenz(a,h)anthracene	590.	U
191-24-2	Benzo(g,h,i)perylene	590.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK66

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F0779

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 44. dec. 44. Date Extracted: 5/25/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/30/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	762-63-0	2-PENTENE, 4, 4-DIMETHYL-	4.06	200.	J
2.	- -	UNKNOWN ALIPHATIC	4.99	6000.	J
3.	- -	UNKNOWN ALIPHATIC	23.04	300.	J
4.	7098-21-7	TRITETRACONTANE	32.68	400.	J
5.	- -	UNKNOWN ALIPHATIC	33.92	400.	J
6.	593-49-7	HEPTACOSANE	34.51	500.	J
7.	- -	UNKNOWN	36.20	400.	J
8.	- -	UNKNOWN	36.27	300.	J
9.	- -	UNKNOWN	36.94	300.	J
10.	- -	UNKNOWN	40.89	400.	J
11.	- -	UNKNOWN	41.48	500.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK67

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F0777

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 45. dec. 45. Date Extracted: 5/25/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/30/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	600.	U
111-44-4	bis(2-Chloroethyl)ether	600.	U
95-57-8	2-Chlorophenol	600.	U
541-73-1	1,3-Dichlorobenzene	600.	U
106-46-7	1,4-Dichlorobenzene	600.	U
100-51-6	Benzyl alcohol	600.	U
95-50-1	1,2-Dichlorobenzene	600.	U
95-48-7	2-Methylphenol	600.	U
39638-32-9	bis(2-Chloroisopropyl)ether	600.	U
106-44-5	4-Methylphenol	600.	U
621-64-7	N-Nitroso-di-n-propylamine	600.	U
67-72-1	Hexachloroethane	600.	U
98-95-3	Nitrobenzene	600.	U
78-59-1	Isophorone	600.	U
88-75-5	2-Nitrophenol	600.	U
105-67-9	2,4-Dimethylphenol	600.	U
65-85-0	Benzoic acid	1200.	J
111-91-1	bis(2-Chloroethoxy)methane	600.	U
120-83-2	2,4-Dichlorophenol	600.	U
120-82-1	1,2,4-Trichlorobenzene	600.	U
91-20-3	Naphthalene	600.	U
106-47-8	4-Chloroaniline	600.	U
87-68-3	Hexachlorobutadiene	600.	U
59-50-7	4-Chloro-3-methylphenol	600.	U
91-57-6	2-Methylnaphthalene	600.	U
77-47-4	Hexachlorocyclopentadiene	600.	U
88-06-2	2,4,6-Trichlorophenol	600.	U
95-95-4	2,4,5-Trichlorophenol	3000.	U
91-58-7	2-Chloronaphthalene	600.	U
88-74-4	2-Nitroaniline	3000.	U
131-11-3	Dimethylphthalate	600.	U
208-96-8	Acenaphthylene	600.	U
606-20-2	2,6-Dinitrotoluene	600.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK67

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F0777

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 45. dec. 45. Date Extracted: 5/25/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/30/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3000.	U
83-32-9	Acenaphthene	600.	U
51-28-5	2,4-Dinitrophenol	3000.	U
100-02-7	4-Nitrophenol	3000.	U
132-64-9	Dibenzofuran	600.	U
121-14-2	2,4-Dinitrotoluene	600.	U
84-66-2	Diethylphthalate	600.	U
7005-72-3	4-Chlorophenyl-phenylether	600.	U
86-73-7	Fluorene	600.	U
100-01-6	4-Nitroaniline	3000.	U
534-52-1	4,6-Dinitro-2-methylphenol	3000.	U
86-30-6	N-Nitrosodiphenylamine (1)	600.	U
101-55-3	4-Bromophenyl-phenylether	600.	U
118-74-1	Hexachlorobenzene	600.	U
87-86-5	Pentachlorophenol	3000.	U
85-01-8	Phenanthrene	600.	U
120-12-7	Anthracene	600.	U
84-74-2	Di-n-butylphthalate	51.	J
206-44-0	Fluoranthene	600.	U
129-00-0	Pyrene	600.	U
85-68-7	Butylbenzylphthalate	600.	U
91-94-1	3,3'-Dichlorobenzidine	1200.	U
56-55-3	Benzo(a)anthracene	600.	U
218-01-9	Chrysene	600.	U
117-81-7	bis(2-Ethylhexyl)phthalate	120.	J
117-84-0	Di-n-octylphthalate	600.	U
205-99-2	Benzo(b)fluoranthene	600.	U
207-08-9	Benzo(k)fluoranthene	600.	U
50-32-8	Benzo(a)pyrene	600.	U
193-39-5	Indeno(1,2,3-cd)pyrene	600.	U
53-70-3	Dibenz(a,h)anthracene	600.	U
191-24-2	Benzo(g,h,i)perylene	600.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK67

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F0777

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 45. dec. 45. Date Extracted: 5/25/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/30/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	565-62-8	3-PENTEN-2-ONE, 3-METHYL	4.07	300.	J N
2.	- -	UNKNOWN	5.09	8000.	J
3.	19812-64-7	1,14-TETRADECANEDIOL	23.06	400.	J
4.	629-99-2	PENTACOSANE	32.69	300.	J
5.	- -	UNKNOWN ALIPHATIC	33.93	400.	J
6.	- -	UNKNOWN ALIPHATIC	34.51	400.	J
7.	- -	UNKNOWN	36.21	300.	J
8.	- -	UNKNOWN	36.28	200.	J M
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK68

Name: CENTRY Contract: 68-W8-0078

ab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

atrix: (soil/water) WATER Lab Sample ID:

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: A4665

evel: (low/med) LOW Date Received: 5/15/90

Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

xtraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

PC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-Chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK68

Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: A4665

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK68

Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: A4665

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK69

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0755

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-Chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK69

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0755

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK69

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0755

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK72

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: A4664

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-Chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK72

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: A4664

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK72

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: A4664

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK73

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0756

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-Chloroisopropyl)etner	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK73

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0756

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BDK73

J Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: F0756

Level: (low/med) LOW Date Received: 5/15/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/18/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 5/25/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK63

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: . 1000. (g/mL)ML Lab File ID: C333A018

Level: (low/med) LOW Date Received: 5/16/90

% Moisture: not dec.100. dec. 0. Date Extracted: 5/17/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 6/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
5103-71-9	alpha-Chlordane	.50	U
5103-74-2	gamma-Chlordane	.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	.50	U
11104-28-2	Aroclor-1221	.50	U
11141-16-5	Aroclor-1232	.50	U
53469-21-9	Aroclor-1242	.50	U
12672-29-6	Aroclor-1248	.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK64

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000. (g/mL)ML Lab File ID: C333A019

Level: (low/med) LOW Date Received: 5/16/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/17/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 6/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.050	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.10	U
53494-70-5	Endrin ketone	.50	U
5103-71-9	alpha-Chlordane	.10	U
5103-74-2	gamma-Chlordane	.50	U
8001-35-2	Toxaphene	.50	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	.50	U
11141-16-5	Aroclor-1232	.50	U
53469-21-9	Aroclor-1242	.50	U
12672-29-6	Aroclor-1248	.50	U
11097-69-1	Aroclor-1254	.50	U
11096-82-5	Aroclor-1260	1.0	U
		1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK65

Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000. (g/mL)ML Lab File ID: C333A020

Level: (low/med) LOW Date Received: 5/16/90

% Moisture: not dec.100. dec. 0. Date Extracted: 5/17/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 6/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
5103-71-9	alpha-Chlordane	.50	U
5103-74-2	gamma-Chlordane	.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	.50	U
11104-28-2	Aroclor-1221	.50	U
11141-16-5	Aroclor-1232	.50	U
53469-21-9	Aroclor-1242	.50	U
12672-29-6	Aroclor-1248	.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK66 RE

Lab Name: CENTRY Contract: 11

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 30. (g/mL) G Lab File ID: C336A017

Level: (low/med) LOW Date Received: 5/16/90

% Moisture: not dec. 44. dec. 0. Date Extracted: 6/14/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/16/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	14.	U J
319-85-7	beta-BHC	14.	U
319-86-8	delta-BHC	14.	U
58-89-9	gamma-BHC (Lindane)	14.	U
76-44-8	Heptachlor	14.	U
309-00-2	Aldrin	14.	U
1024-57-3	Heptachlor epoxide	14.	U
959-98-8	Endosulfan I	14.	U
60-57-1	Dieldrin	28.	U
72-55-9	4,4'-DDE	28.	U
72-20-8	Endrin	28.	U
33213-65-9	Endosulfan II	28.	U
72-54-8	4,4'-DDD	28.	U
1031-07-8	Endosulfan sulfate	28.	U
50-29-3	4,4'-DDT	28.	U
72-43-5	Methoxychlor	140.	U
53494-70-5	Endrin ketone	28.	U
5103-71-9	alpha-Chlordane	140.	U
5103-74-2	gamma-Chlordane	140.	U
8001-35-2	Toxaphene	280.	U
12674-11-2	Aroclor-1016	140.	U
11104-28-2	Aroclor-1221	140.	U
11141-16-5	Aroclor-1232	140.	U
53469-21-9	Aroclor-1242	140.	U
12672-29-6	Aroclor-1248	140.	U
11097-69-1	Aroclor-1254	280.	U
11096-82-5	Aroclor-1260	280.	U J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK67 RE

ab Name: CENTRY Contract: 11

.b Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

atrix: (soil/water) SOIL Lab Sample ID:

ample wt/vol: 30. (g/mL) G Lab File ID: C336A01B

evel: (low/med) LOW Date Received: 5/16/90

Moisture: not dec. 45. dec. 0. Date Extracted: 6/14/90

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/16/90

PC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	14.	U
319-85-7	beta-BHC	14.	U
319-86-8	delta-BHC	14.	U
58-89-9	gamma-BHC (Lindane)	14.	U
76-44-8	Heptachlor	14.	U
309-00-2	Aldrin	14.	U
1024-57-3	Heptachlor epoxide	14.	U
959-98-8	Endosulfan I	14.	U
60-57-1	Dieldrin	29.	U
72-55-9	4,4'-DDE	29.	U
72-20-8	Endrin	29.	U
33213-65-9	Endosulfan II	29.	U
72-54-8	4,4'-DDD	29.	U
1031-07-8	Endosulfan sulfate	29.	U
50-29-3	4,4'-DDT	29.	U
72-43-5	Methoxychlor	140.	U
53494-70-5	Endrin ketone	29.	U
5103-71-9	alpha-Chlordane	140.	U
5103-74-2	gamma-Chlordane	140.	U
8001-35-2	Toxaphene	290.	U
12674-11-2	Aroclor-1016	140.	U
11104-28-2	Aroclor-1221	140.	U
11141-16-5	Aroclor-1232	140.	U
53469-21-9	Aroclor-1242	140.	U
12672-29-6	Aroclor-1248	140.	U
11097-69-1	Aroclor-1254	290.	U
11096-82-5	Aroclor-1260	290.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK68

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000. (g/mL)ML Lab File ID: C333A022

Level: (low/med) LOW Date Received: 5/16/90

% Moisture: not dec.100. dec. 0. Date Extracted: 5/17/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 6/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
5103-71-9	alpha-Chlordane	.50	U
5103-74-2	gamma-Chlordane	.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	.50	U
11104-28-2	Aroclor-1221	.50	U
11141-16-5	Aroclor-1232	.50	U
53469-21-9	Aroclor-1242	.50	U
12672-29-6	Aroclor-1248	.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK69

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000. (g/mL)ML Lab File ID: C333A023

Level: (low/med) LOW Date Received: 5/16/90

% Moisture: not dec. 100. dec. 0. Date Extracted: 5/17/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 6/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
5103-71-9	alpha-Chlordane	.50	U
5103-74-2	gamma-Chlordane	.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	.50	U
11104-28-2	Aroclor-1221	.50	U
11141-16-5	Aroclor-1232	.50	U
53469-21-9	Aroclor-1242	.50	U
12672-29-6	Aroclor-1248	.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK72

Lab Name: CENTRY Contract: 68-W8-0078

Lab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

Matrix: (soil/water) WATER Lab Sample ID:

Sample wt/vol: 1000. (g/mL)ML Lab File ID: C333A024

Level: (low/med) LOW Date Received: 5/16/90

% Moisture: not dec.100. dec. 0. Date Extracted: 5/17/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 6/ 5/90

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
5103-71-9	alpha-Chlordane	.50	U
5103-74-2	gamma-Chlordane	.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	.50	U
11104-28-2	Aroclor-1221	.50	U
11141-16-5	Aroclor-1232	.50	U
53469-21-9	Aroclor-1242	.50	U
12672-29-6	Aroclor-1248	.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BDK73

Name: CENTRY Contract: 68-W8-0078

ab Code: CENTRY Case No.: 14115 SAS No.: SDG No.: BDK63

atrix: (soil/water) WATER Lab Sample ID:

ample wt/vol: 1000. (g/mL)ML Lab File ID: C333A025

evel: (low/med) LOW Date Received: 5/16/90

Moisture: not dec.100. dec. 0. Date Extracted: 5/17/90

xtraction: (SepF/Cont/Sonc) CONT Date Analyzed: 6/ 5/90

PC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
5103-71-9	alpha-Chlordane	.50	U
5103-74-2	gamma-Chlordane	.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	.50	U
11104-28-2	Aroclor-1221	.50	U
11141-16-5	Aroclor-1232	.50	U
53469-21-9	Aroclor-1242	.50	U
12672-29-6	Aroclor-1248	.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

STANDARD OPERATING PROCEDURE

Evaluation of Metals Data for the
Contract Laboratory Program
Rev. 10, No. HW-2
October 1989

Appendix A.2: Data Assessment Narrative

Case No.: 14115 Site: LI Tungsten

SDG: MBCJ65 Laboratory: BETZPA

Contractor: NUS-FIT Reviewer: Valerie Mathers

Matrix: Soil 2 Water 7 Other

A.2.1. The case description and exceptions, if any, are noted below with reason(s) for rejection or qualification as estimated value(s) J.

1) Sb was rejected in MBCP92D, because ~~this~~ these sample~~s~~ were among the latter 50% of all samples preceding the Final CRI in which the %R of Sb was 48%, and the concentrations of Sb in MBCP92D, 92L & 93 ~~was~~ were <4xCRDL.

2) The following analytes were qualified as estimated (J) or rejected in the soil samples indicated because their %R's in the associated matrix spike, MBCP92S, were within a range that would be considered estimated or rejectable:

Sb (J for %R between 10 and 74%) -> MBCP92
Se and Zn ((J for %R's between 10 and 74%) -> MBCP92 and 93
Tl (Reject for %R <10%) -> MBCP92 and 93

omit

~~3) CN was qualified as estimated (J) in water samples MBCJ65, MBCP 89-91 and 94-96 because the absolute difference of CN concentrations between the associated Lab Duplicate Pair, MBCP90/90D, was >CRDL when the concentration of CN in both sample (S) and Duplicate (D) was <5xCRDL.~~

4) Ba, K and Zn were qualified as estimated (J) in the following water samples because their concentrations in these samples were >10xIDL when the %D's of Ba, K and Zn in the associated ICP Serial Dilutions, MBCP90/90L, were between 10 and 100% and their initial sample concentrations (in MBCP90) were >10xIDL:

Ba and Zn -> MBCP90; K -> MBCP89-91

5) Na and V were qualified as estimated (J) in soil samples MBCP92 and 93 because their concentrations in these samples were >10xIDL when the %D's of Na and V in the associated ICP Serial Dilution, MBCP92/92L, were between 10 and 100% and their initial sample concentrations (in MBCP92) were >10xIDL.

A.2.1. (Continued)

6) Cr and V were qualified as estimated in samples of the soil Field Duplicate Pair, MBCP92 and 93, because the concentrations of each analyte differed by >2xCRDL between S(MBCP92) and D(MBCP93) when S and/or D concentrations were <5xCRDL. Note: V was previously qualified in MBCP92 and 93 for QC criteria as specified in Note 5.

omit ~~7) Na and Ca were qualified as estimated (J) in the following samples because their concentrations exceeded the high linear range of ICP calibration without dilution:~~
~~Na (>99,131 ug/l) -> MBCP89 and 91~~
~~Ca (>606,893 ug/l) -> MBCP93~~

8) As, Pb, Se and Tl were qualified as estimated (J) in the following samples because their concentrations in these samples were within a range of standard calibration concentrations outside ± 10% of true value:

omit ~~As (Qualified concentrations between 0 and 50 ug/l) -> MBCJ65, MBCP89-91 and 94-96~~

Pb (Qualified concentrations between ~~3~~ 0 and 80 ug/l) -> MBCJ65 MBCP89-91 and 94-96.

omit ~~Se (Qualified concentrations between 0 and 40 ug/l) -> MBCJ65, MBCP89-96 (Note: Se was previously qualified in MBCP92 and 93 for QC criteria as specified in Note 2)~~

Tl (Qualified concentrations between 0 and 100 ug/l) -> MBCJ65 and MBCP89-91 and 94-96

U.S. EPA - CLP

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

[illegible]

[illegible]

[illegible] Lab Sample ID: [illegible]

Level (low/med): [illegible] Date Received: [illegible]/16/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	104.00	B		P
7440-36-0	Antimony	46.00	U		P
7440-38-2	Arsenic	5.60	B	~~X~~ VAM	F
7440-39-3	Barium	20.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	3.00	U		P
7440-70-2	Calcium	90700.00			P
7440-47-3	Chromium	5.00	U		P
7440-48-4	Cobalt	51.00			P
7440-50-8	Copper	25.00			P
7439-89-6	Iron	96.00	B		P
7439-92-1	Lead	4.20		W* J	F
7439-95-4	Magnesium	1140.00	B		P
7439-96-5	Manganese	12.00	B		P
7439-97-6	Mercury	.20	U		CV
7440-02-0	Nickel	35.00	B		P
7440-09-7	Potassium	24900.00		E J	P
7782-49-2	Selenium	1.00	U	W	F
7440-22-4	Silver	5.00	U		P
7440-23-5	Sodium	919000.00			P
7440-28-0	Thallium	1.00	U	W J	F
7440-62-2	Vanadium	7.00	B		P
7440-66-6	Zinc	30.70	B	VAM	P
	Cyanide	9.0 B ~~[illegible]~~	~~X~~	~~X~~ VAM	C

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLOUDY Artifacts:

Comments:

FORM I - IN 7/88

101580

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MECP90

Lab Name: BETZ LABORATORIES TREVOSE Contract: 68-D9-0082

Lab Code: BETZPA Case No.: 14115 SAS No.: SDG No.: MBCJ65

Matrix (soil/water): WATER Lab Sample ID: MBCP90

Level (low/med): LOW Date Received: 5/16/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	163.00	B		P
7440-36-0	Antimony	49.00	B		P
7440-38-2	Arsenic	11.00			F
7440-39-3	Barium	58.00	B	J	P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	3.00	U		P
7440-70-2	Calcium	53100.00			P
7440-47-3	Chromium	5.00	U		P
7440-48-4	Cobalt	366.00			P
7440-50-8	Copper	504.00			P
7439-89-6	Iron	1760.00			P
7439-92-1	Lead	15.80		*J	F
7439-95-4	Magnesium	12500.00			P
7439-96-5	Manganese	1640.00			P
7439-97-6	Mercury	.20	U		CV
7440-02-0	Nickel	544.00			P
7440-09-7	Potassium	22200.00		EJ	P
7782-49-2	Selenium	1.50	B		F
7440-22-4	Silver	5.00	U		P
7440-23-5	Sodium	53100.00			P
7440-28-0	Thallium	1.00	U	J	F
7440-62-2	Vanadium	7.00	U		P
7440-66-6	Zinc	265.00		J	P
	Cyanide	11.70		X VAN	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLOUDY Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBCP9

Lab Name: SETZ LABORATORIES TREVOSE Contract: 68-D9-C082

Lab Code: SETZPA Case No.: 14114 SAS No.: SDG No.: MBC365

Matrix (soil/water): WATER Lab Sample ID: MBCP91

Level (low/med): LOW Date Received: 5/16/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	88.00	B		P
7440-36-0	Antimony	46.00	U		P
7440-38-2	Arsenic	5.10	B	~~W~~ VAM	F
7440-39-3	Barium	20.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	3.00	U		P
7440-70-2	Calcium	94100.00			P
7440-47-3	Chromium	5.00	U		P
7440-48-4	Cobalt	53.00			P
7440-50-8	Copper	25.00			P
7439-89-6	Iron	88.00	B		P
7439-92-1	Lead	3.90		W*J	F
7439-95-4	Magnesium	1100.00	B		P
7439-96-5	Manganese	11.00	B		P
7439-97-6	Mercury	.20	U		CV
7440-02-0	Nickel	30.00	B		P
7440-09-7	Potassium	24700.00		E J	P
7782-49-2	Selenium	1.00	U	W	F
7440-22-4	Silver	5.00	U		P
7440-23-5	Sodium	867000.00			P
7440-28-0	Thallium	1.00	U	W J	F
7440-62-2	Vanadium	11.00	B		P
7440-66-6	Zinc	35.80			P
	Cyanide	11.40		X VAM	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLOUDY Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBCP92

Lab Name: BETZ LABORATORIES TREVOSE Contract: 68-D9-0082

Lab Code: BETCPA Case No.: 16113 SAS No.: SDG No.: MBCJ65

Matrix (soil/water): SOIL Lab Sample ID: MBCP92

Level (low/med): LOW Date Received: 5/16/90

% Solids: 44.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1350.00			P
7440-36-0	Antimony	20.60	U	NJ	P
7440-38-2	Arsenic	72.10			F
7440-39-3	Barium	58.20	B		P
7440-41-7	Beryllium	.90	B		P
7440-43-9	Cadmium	2.70			P
7440-70-2	Calcium	202000.00		*	P
7440-47-3	Chromium	35.40		J	P
7440-48-4	Cobalt	3970.00		*	P
7440-50-8	Copper	610.00			P
7439-89-6	Iron	2780.00			P
7439-92-1	Lead	341.00			P
7439-95-4	Magnesium	494.00	B		P
7439-96-5	Manganese	1090.00			P
7439-97-6	Mercury	.23			CV
7440-02-0	Nickel	1110.00		*	P
7440-09-7	Potassium	220.00	B		P
7782-49-2	Selenium	2.10	U	WNJ	F
7440-22-4	Silver	14.30			P
7440-23-5	Sodium	7720.00		EJ	P
7440-28-0	Thallium	~~[illegible]~~	~~U~~		F
7440-62-2	Vanadium	112.00		J	P
7440-66-6	Zinc	792.00		N*J	P
	Cyanide	1.05 CB ~~[illegible]~~	U		C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts: YES

Comments:
WATER:TWIGS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBCP93

Lab Name: BETZ LABORATORIES TREVOSE Contract: 68-D9-0082

Lab Code: BETZPA Case No.: 14113 SAS No.: SDG No.: MBCP3

Matrix (soil/water): SOIL Lab Sample ID: MBCP93

Level (low/med): LOW Date Received: 5/16/90

% Solids: 41.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	610.00			P
7440-36-0	Antimony	~~20.60~~	~~U~~	~~WN~~	P
7440-38-2	Arsenic	37.00			F
7440-39-3	Barium	39.40	B		P
7440-41-7	Beryllium	.45	B		P
7440-43-9	Cadmium	1.30	U		P
7440-70-2	Calcium	308000.00		*	P
7440-47-3	Chromium	21.50		J	P
7440-48-4	Cobalt	1530.00		*	P
7440-50-8	Copper	293.00			P
7439-89-6	Iron	1980.00			P
7439-92-1	Lead	243.00			P
7439-95-4	Magnesium	303.00	B		P
7439-96-5	Manganese	491.00			P
7439-97-6	Mercury	.21			CV
7440-02-0	Nickel	450.00		*	P
7440-09-7	Potassium	55.40	U		P
7782-49-2	Selenium	2.30	U	WN J	F
7440-22-4	Silver	7.60			P
7440-23-5	Sodium	12600.00		E J	P
7440-28-0	Thallium	~~.60~~	~~B~~	~~WN~~	F
7440-62-2	Vanadium	57.20		J	P
7440-66-6	Zinc	303.00		N* J	P
	Cyanide	1.10	~~U~~		C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts: YES

Comments:
WATER; TWIGS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBCP94

Lab Name: BETZ LABORATORIES TREVOSE Contract: 68-D9-0082

Lab Code: BETZPA Case No.: 14115 SAS No.: SDG No.: MBCJ55

Matrix (soil/water): WATER Lab Sample ID: MBCP94

Level (low/med): LOW Date Received: 5/16/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	46.00	U		P
7440-38-2	Arsenic	1.00	U	W	F
7440-39-3	Barium	2.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	3.00	U		P
7440-70-2	Calcium	93.00	U		P
7440-47-3	Chromium	5.00	U		P
7440-48-4	Cobalt	10.00	U		P
7440-50-8	Copper	4.00	U		P
7439-89-6	Iron	13.00	B		P
7439-92-1	Lead	2.00	U	*J	F
7439-95-4	Magnesium	120.00	U		P
7439-96-5	Manganese	1.00	U		P
7439-97-6	Mercury	.20	U		CV
7440-02-0	Nickel	17.00	U		P
7440-09-7	Potassium	274.00	B	E	P
7782-49-2	Selenium	1.00	U	W	F
7440-22-4	Silver	5.00	U		P
7440-23-5	Sodium	3520.00	B		P
7440-28-0	Thallium	1.00	U	J	F
7440-62-2	Vanadium	7.00	U		P
7440-66-6	Zinc	14.00	U		P
	Cyanide	-5.00 ~~10.00~~	U	X	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBCP95

Lab Name: BETZ LABORATORIES REVOSE Contract: 68-D9-0082

Lab Code: BETZFA Case No.: 14115 SAS No.: SDG No.: MBCJ63

Matrix (soil/water): WATER Lab Sample ID: MBCP95

Level (low/med): LOW Date Received: 5/16/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	46.00	U		P
7440-38-2	Arsenic	1.00	U	W	F
7440-39-3	Barium	2.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	3.00	U		P
7440-70-2	Calcium	93.00	U		P
7440-47-3	Chromium	5.00	U		P
7440-48-4	Cobalt	10.00	U		P
7440-50-8	Copper	4.00	U		P
7439-89-6	Iron	40.00	B		P
7439-92-1	Lead	2.00	U	* J	F
7439-95-4	Magnesium	120.00	U		P
7439-96-5	Manganese	3.00	B		P
7439-97-6	Mercury	.20	U		CV
7440-02-0	Nickel	17.00	U		P
7440-09-7	Potassium	124.00	U	E	P
7782-49-2	Selenium	1.00	U		F
7440-22-4	Silver	5.00	U		P
7440-23-5	Sodium	217.00	U		P
7440-28-0	Thallium	1.00	U	J	F
7440-62-2	Vanadium	7.00	U		P
7440-66-6	Zinc	14.00	U		P
-	Cyanide	5.00 ~~10.00~~ (AM)	U	X (AM)	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBCP96

Lab Name: BETZ LABORATORIES TREVOSE Contract: 68-D9-0082

Lab Code: BETZPA Case No.: 14113 SAS No.: SDG No.: MBCJ65

Matrix (soil/water): WATER Lab Sample ID: MBCP96

Level (low/med): LOW Date Received: 5/16/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	46.00	U		P
7440-38-2	Arsenic	1.00	U		F
7440-39-3	Barium	2.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	3.00	U		P
7440-70-2	Calcium	93.00	U		P
7440-47-3	Chromium	5.00	U		P
7440-48-4	Cobalt	10.00	U		P
7440-50-8	Copper	4.00	U		P
7439-89-6	Iron	10.00	U		P
7439-92-1	Lead	2.00	U	*J	F
7439-95-4	Magnesium	120.00	U		P
7439-96-5	Manganese	1.00	U		P
7439-97-6	Mercury	.20	U		CV
7440-02-0	Nickel	17.00	U		P
7440-09-7	Potassium	124.00	U	E	P
7782-49-2	Selenium	1.00	U	W	F
7440-22-4	Silver	5.00	U		P
7440-23-5	Sodium	217.00	U		P
7440-28-0	Thallium	1.00	U	J	F
7440-62-2	Vanadium	7.00	U		P
7440-66-6	Zinc	14.00	U		P
	Cyanide	~~10.00~~ 5.00	U	*	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBCJ65

Name: BETZ LABORATORIES TREVOSE Contract: 68-D9-0082

Code: BETZPA Case No.: 14113 SAS No.: SDG No.: MBCJ65

rix (soil/water): WATER Lab Sample ID: MBCJ65

el (low/med): LOW Date Received: 5/16/90

olids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	46.00	U		P
7440-38-2	Arsenic	1.00	U	W	F
7440-39-3	Barium	3.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	3.00	U		P
7440-70-2	Calcium	93.00	U		P
7440-47-3	Chromium	5.00	U		P
7440-48-4	Cobalt	10.00	U		P
7440-50-8	Copper	4.00	U		P
7439-89-6	Iron	10.00	U		P
7439-92-1	Lead	2.00	U	*J	F
7439-95-4	Magnesium	120.00	U		P
7439-96-5	Manganese	1.00	U		P
7439-97-6	Mercury	.20	U		CV
7440-02-0	Nickel	17.00	U		P
7440-09-7	Potassium	124.00	U	E	P
7782-49-2	Selenium	1.00	U	W	F
7440-22-4	Silver	5.00	U		P
7440-23-5	Sodium	382.00	B		P
7440-28-0	Thallium	1.00	U	X VAM J	F
7440-62-2	Vanadium	7.00	U		P
7440-66-6	Zinc	14.00	U		P
	Cyanide	5.01 ~~10.00~~ VAM	U	X VAM	C

e: COLORLESS Clarity Before: CLEAR Texture:

COLORLESS Clarity After: CLEAR Artifacts:

101588

FORM I - IN 7/87

2 of 2

- COPY OF CLP DATA

(REDLINED AND MARKED)

- COMPUTER QA'd PRINTOUT

SITE NAME: hi Tungsten

CASE# AND/OR SAS#: 13906

BRICS#: NYJL

TDD#: 02-9003-01

101589

SAMPLING TRIP REPORT

SITE NAME:	Li Tungsten
TDD NO.:	02-9003-01
SAMPLING DATE:	April 18 - 19, 1990
EPA CASE NO.:	13906

1. Site Location: Refer to Figure 1

2. Sampling Locations: Refer to Figure 2

3. Well Locations: Refer to Figure 3

4. Sample Descriptions: Refer to Table 1

5. Laboratories Receiving Samples:

Sample Type	Name and Address of Laboratory
Organic	Compuchem Laboratories 3308 Chapel Hill/Nelson Hwy. RTP, NC 27709
Inorganic	Enseco Rocky Mountain Analytical 4955 Yarrow Street Arvada, CO 80002

6. Sample Dispatch Data:

A total of 29 aqueous and 18 soil/sediment samples for organic analysis were shipped by FIT 2 personnel via Federal Express under Airbill No. 6097383390 to Compuchem Laboratories Inc. on April 19, 1990 at 1900 hours.

A total of 27 aqueous and 18 soil/sediment samples for inorganic analysis were shipped by FIT 2 personnel via Federal Express under Airbill No. 6097383294 to Enseco Rocky Mountain Analytical on April 19, 1990 at 1900 hours

7. Sampling Personnel:

Name	Organization	Duties on Site
Steven Okulewicz	NUS Corporation, FIT 2	Site Manager
Gregory Pollack	NUS Corporation, FIT 2	Assistant Site Manager
Jess Tecson	NUS Corporation, FIT 2	Site Safety Officer
John Harrison	NUS Corporation, FIT 2	Sample Management Officer
Joseph Filosa	NUS Corporation, FIT 2	Sampler
Michael Gallagher	NUS Corporation, FIT 2	Sampler
Phillip Ciccolello	NUS Corporation, FIT 2	Sampler
Robert Scerbo	NUS Corporation, FIT 2	Sampler
Robert Carson	NUS Corporation, FIT 2	Health and Safety Support
Elmer Burd	NUS Corporation, ZPMO	Health and Safety Support

Other On-Site Personnel:

Suzanne L. Morrissey	Hart Environmental Management Corp.	Consultant for Li Tungsten

8. Weather Conditions: April 18, 1990, sunny, clear, temp 40° F, light wind from west 0-5 mph. April 19, 1990, sunny, clear, temp 47° F, light wind from northwest at 5 mph.

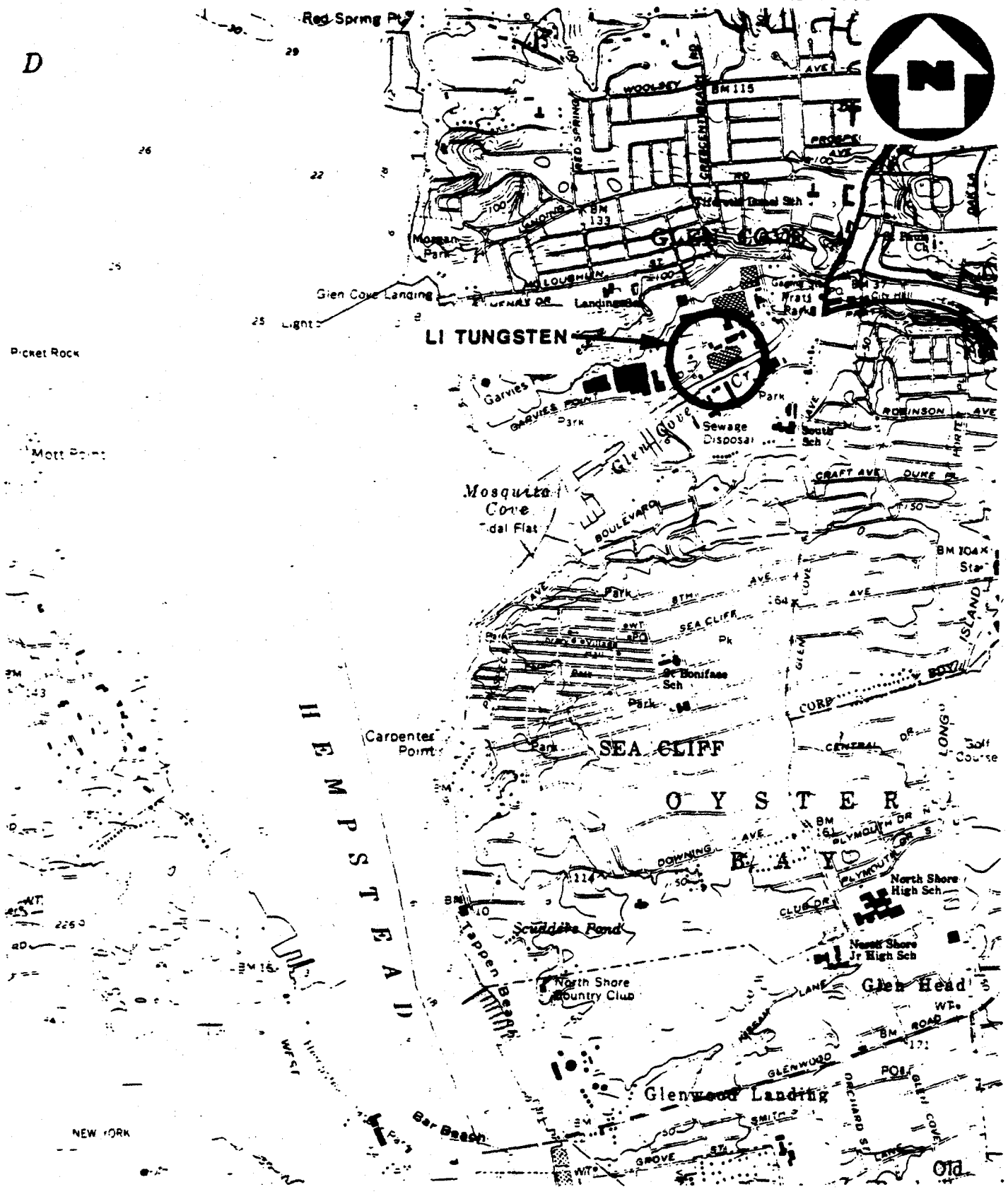
9. Additional Comments:

All samples except the trip blank will be analyzed for Target Compound List (TCL) organic and inorganic compounds, including cyanide. The trip blank will be analyzed for volatile organic compounds only.

Groundwater sample GW-6 from monitoring well GM-16 was not collected because the well was full of sediment which prevented the bailer from entering the well. In addition, groundwater sample GW-5 from monitoring well GM-14A was not preserved with acid due to severe reaction between the water from the well and the acid; this was noted on the organic traffic report. Surface water sample SW-11 could not be collected from an outdoor floor drain because its steel grate cover could not be removed. Two other surface water samples and two sediment samples could not be collected or screened for health and safety considerations due to the failure of the air monitoring equipment. Soil and sediment samples collected from the landfill and mud pond area had radiation readings of O.O mr/hr to 0.2 mr/hr and readings of 0 ppm to 4 ppm on the organic vapor analyzer.

10. Report Prepared By: Steven Okulewicz Date: May 2, 1990

11. Approved By: Charles [illegible] Date: 5/7/90



(QUAD) SEA CLIFF, N.Y.

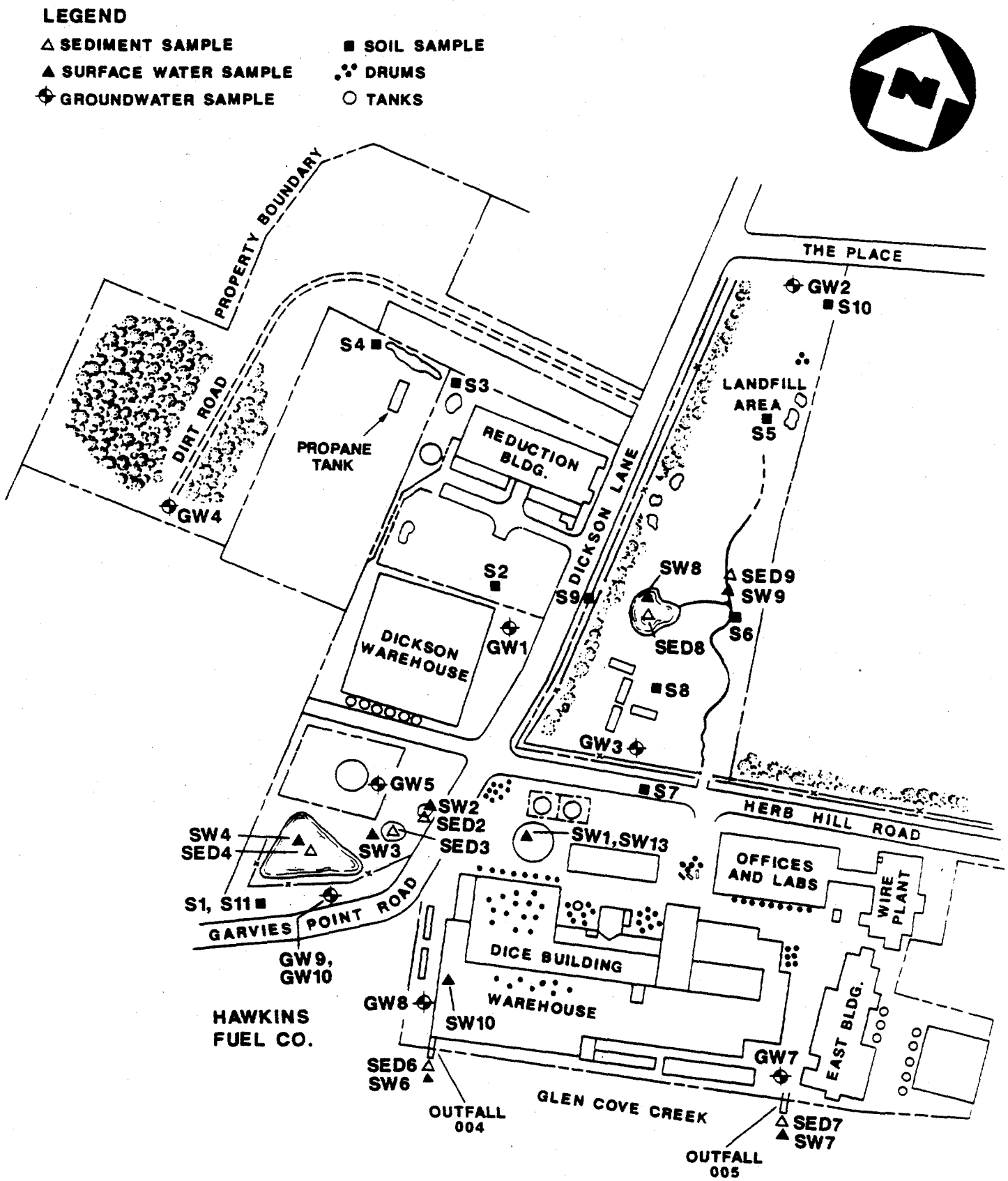
SITE LOCATION MAP

LI TUNGSTEN, GLEN COVE, N.Y.

SCALE: 1" = 2000'

FIGURE 1 101592

NUS CORPORATION



101593

SAMPLE LOCATION MAP

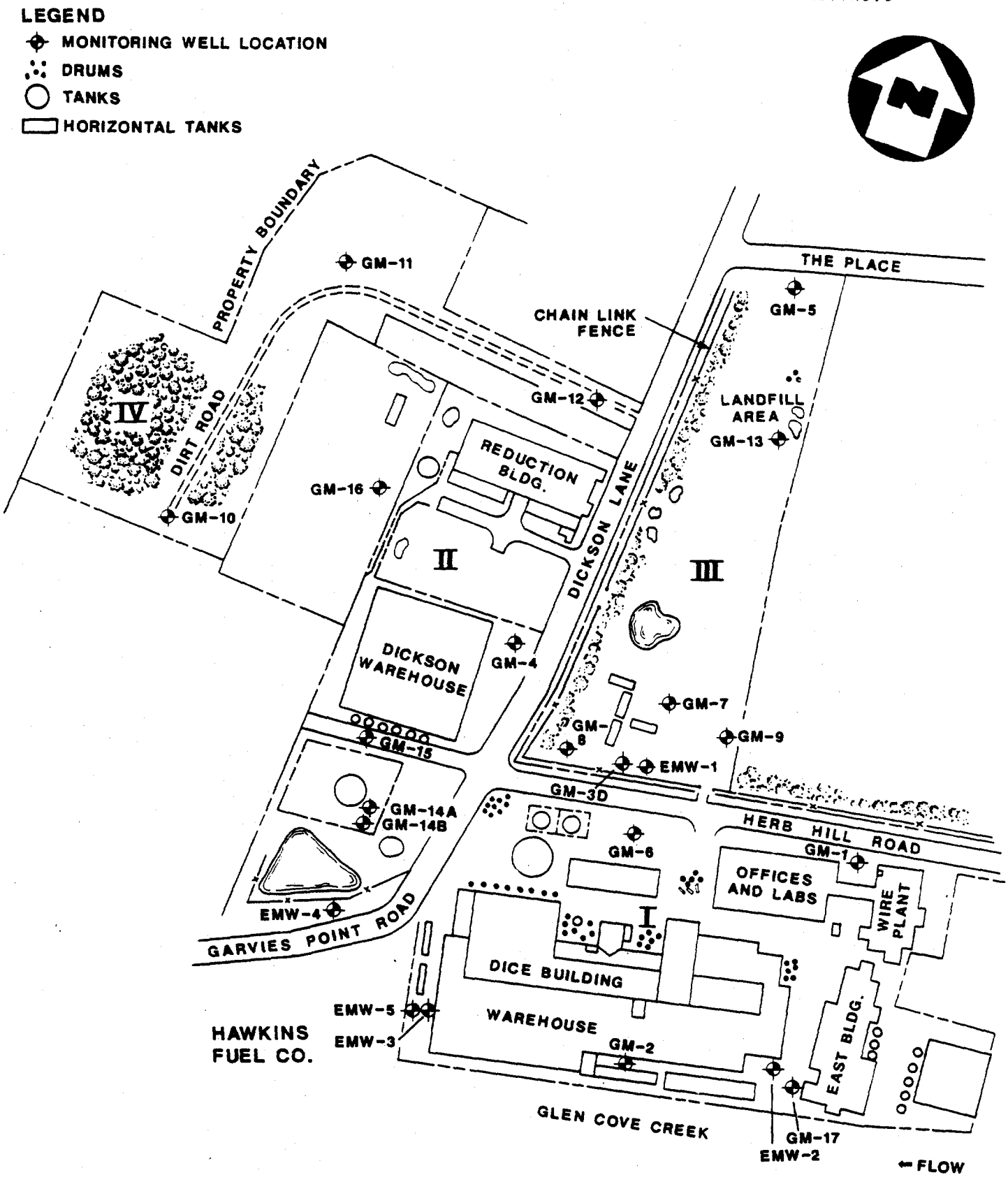
LI TUNGSTEN, GLEN COVE, LONG ISLAND, N.Y.

NOT TO SCALE

FIGURE 2

NUS CORPORATION

02-9003-01-STR1
Rev.No.0



101594

FIGURE 3

MONITORING WELL LOCATION MAP

LI TUNGSTEN, GLEN COVE, LONG ISLAND, N.Y.

NOT TO SCALE

NUS CORPORATION

TABLE I
SAMPLE DESCRIPTIONS
LI TUNGSTEN
GLEN COVE, NEW YORK
CASE NO. 13906
APRIL 18, 1990

NUS Sample ID Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
NYJL-GW1	BEB18	MBCJ01	1135	Aqueous	Groundwater sample collected from monitoring well GM-4 located on northeast corner of Dickson Warehouse.
NYJL-GW4	BEB21	MBCJ04	1825	Aqueous	Groundwater sample collected from monitoring well GM-10 located in the wooded area in the northwest section of the site.
NYJL-GW5	BEB22	MBCJ05	1445	Aqueous	Groundwater sample collected from monitoring well GM-14A located next to the oil storage tank along Garvies Point Road.
NYJL-GW9	BEB26	MBCJ09	1545	Aqueous	Groundwater sample collected from monitoring well EMW-4 located south of the mud pond along Garvies Point Road.
NYJL-GW10*	BEB27	MBCJ10	1545	Aqueous	Same location as NYJL-GW9.
NYJL-SW1	BEB28	MBCJ11	1730	Aqueous	Surface water sample collected from the water treatment pool located north of the Dice Building.
NYJL-SW2**	BEB29	MBCJ12	1240	Aqueous	Surface water sample collected from northern mudhole located along Garvies Point Road.
NYJL-SW3	BEB30	MBCJ13	1340	Aqueous	Surface water sample collected from southern mudhole located along Garvies Point Road.

* Indicates that a sample was designated as an environmental duplicate sample.
** Indicates that additional volume was collected and shipped to the laboratory for matrix spike (MS) and matrix spike duplicate (MSD) analysis.

TABLE I (CONT'D)
SAMPLE DESCRIPTIONS
LI TUNGSTEN
GLEN COVE, NEW YORK
CASE NO. 13906
APRIL 18, 1990

NUS Sample ID Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
NYJL-SW4	BEB31	MBCJ14	1520	Aqueous	Surface water sample collected from the mud pond located along Garvies Point Road.
NYJL-SW6	BEB33	MBCJ16	1845	Aqueous	Surface water sample collected from Glen Cove Creek below outfall No. 004.
NYJL-SW13*	BEB40	MBCJ23	1735	Aqueous	Same location as NYJL-SW1.
NYJL-SED2	BEB42	MBCJ25	1305	Sediment	Sediment sample collected from northern mudhole located along Garvies Point Road.
NYJL-SED3	BEB43	MBCJ26	1357	Sediment	Sediment sample collected from southern mudhole located along Garvies Point Road.
NYJL-SED4	BEB44	MBCJ27	1530	Sediment	Sediment sample collected from the mud pond located along Garvies Point Road.
NYJL-SED6	BEB46	MBCJ29	1850	Sediment	Sediment sample collected from Glen Cove Creek below outfall No. 004.
NYJL-S1	BEB50	MBCJ33	1450	Soil	Soil sample collected at a depth of 0 to 3 inches at a distance of approximately 10 feet and a bearing of 240° from monitoring well EMW-4.

* Indicates that a sample was designated as an environmental duplicate sample.

TABLE I (CONT'D)
SAMPLE DESCRIPTIONS
LI TUNGSTEN
GLEN COVE, NEW YORK
CASE NO. 13906
APRIL 18, 1990

NUS Sample ID Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
NYJL-S2**	BEB51	MBCJ34	1010	Soil	Soil sample collected at a depth of 0 to 3 inches at a distance of approximately 120 feet and a bearing of 280° from the northeast corner of the Dickson Warehouse.
NYJL-S3	BEB52	MBCJ35	1105	Soil	Composite soil samples collected at a depth of 0 to 3 inches from a 3-foot square area at a distance of approximately 50 feet and a bearing of 10° northeast from the propane tank.
NYJL-S4	BEB53	MBCJ36	1130	Soil	Composite soil samples collected at a depth of 0 to 3 inches at a distance of approximately 50 feet and a bearing of 285° from the northwest corner of the propane tank.
NYJL-S9	BEB58	MBCJ41	1558	Soil	Soil sample collected at a depth of 0 to 3 inches at a distance of 2 feet and a bearing of 340° from the gate on Dickson Lane.
NYJL-S11*	BEB60	MBCJ43	1459	Soil	Same location as NYJL-S1.

* Indicates that a sample was designated as an environmental duplicate sample.
** Indicates that an additional volume was collected and shipped to the laboratory for matrix spike (MS) and matrix spike duplicate (MSD) analysis.

TABLE I (CONT'D)
SAMPLE DESCRIPTIONS
LI TUNGSTEN
GLEN COVE, NEW YORK
CASE NO. 13906
APRIL 18, 1990

NUS Sample ID Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
NYJL-RIN1	BEB61	MBCJ44	0815	Aqueous	Trowel rinsate blank collected in the field.
NYJL-RIN2	BEB62	MBCJ45	0835	Aqueous	Bowl rinsate blank collected in the field.
NYJL-RIN3	BEB63	MBCJ46	0845	Aqueous	Bailer rinsate blank collected in the field.
NYJL-RIN4	BEB64	MBCJ47	0910	Aqueous	Dredge rinsate blank collected in the field.
NYJL-TRBK1	BEB69	NA	0750	Aqueous	Trip blank; demonstrated analyte-free water obtained from NUS Corp., Region 2 FIT, Edison, NJ.

TABLE I
SAMPLE DESCRIPTIONS
LI TUNGSTEN
GLEN COVE, NEW YORK
CASE NO. 13906
APRIL 19, 1990

NUS Sample ID Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
NYJL-GW2	BEB19	MBCJ02	1030	Aqueous	Upgradient groundwater sample collected from monitoring well GM-5 located north of the landfill area.
NYJL-GW3	BEB20	MBCJ03	1235	Aqueous	Groundwater sample collected from monitoring well GM-3D located south of the tanks along Herb Hill Road.
NYJL-GW7	BEB24	MBCJ07	1505	Aqueous	Groundwater sample collected from monitoring well GM-17 located between the Warehouse and East Building along Glen Cove Creek.
NYJL-GW8	BEB25	MBCJ08	1715	Aqueous	Groundwater sample collected from monitoring well EMW-3 located west of the Warehouse.
NYJL-SW7	BEB34	MBCJ17	1635	Aqueous	Surface water sample collected from Glen Cove Creek below outfall No. 005.
NYJL-SW8	BEB35	NBCJ18	1220	Aqueous	Surface water sample collected from the pond located south of the landfill area along Dickson Lane.
NYJL-SW9	BEB36	MBCJ19	1435	Aqueous	Surface water sample collected from the spring located east of the pond along Dickson Lane.
NYJL-SW10	BEB37	MBCJ20	1530	Aqueous	Surface water sample collected from the floor of the Warehouse located along Glen Cove Creek.
NYJL-SED7	BEB47	MBCJ30	1650	Sediment	Sediment sample collected from Glen Cove Creek below outfall No. 005.

TABLE I (CONT'D)
SAMPLE DESCRIPTIONS
LI TUNGSTEN
GLEN COVE, NEW YORK
CASE NO. 13906
APRIL 19, 1990

NUS Sample ID Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
NYJL-SED8	BEB48	MBCJ31	1230	Sediment	Sediment sample collected from the pond located south of the landfill area along Dickson Lane.
NYJL-SED9	BEB49	MBCJ32	1450	Sediment	Sediment sample collected from the spring located east of the pond along Dickson Lane.
NYJL-S5	BEB54	MBCJ37	1112	Soil	Soil sample collected at a depth of 0 to 3 inches at an approximate distance of 30 feet and a bearing of 24° from monitoring well GM-13.
MYJL-S6	BEB55	MBCJ38	1510	Soil	Soil sample collected at a depth of 0 to 3 inches at a distance of approximately 20 feet and a bearing of 90° east from the ponds drainage ditch.
NYJL-S7	BEB56	MBCJ39	1545	Soil	Soil sample collected at a depth of 0 to 3 inches at a distance of 2 feet and a bearing of 180° from the fence along Herb Hill Road at the red paint marker.
NYJL-S8	BEB57	MBCJ40	1410	Soil	Soil sample collected at a depth of 0 to 3 inches at a distance of 45 feet and a bearing of 275° from monitoring well GM-7.
NYJL-S10	BEB59	MBCJ42	1005	Soil	Soil sample was collected at a depth of 0 to 3 inches at a distance of 40 feet and a bearing of 160° from monitoring well GM-5.

TABLE I (CONT'D)
SAMPLE DESCRIPTIONS
LI TUNGSTEN
GLEN COVE, NEW YORK
CASE NO. 13906
APRIL 19, 1990

NUS Sample ID Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
NYJL-RIN5	BEB65	MBCJ48	0825	Aqueous	Trowel rinsate blank collected in the field.
NYJL-RIN6	BEB66	MBCJ49	0810	Aqueous	Bowl rinsate blank collected in the field.
NYJL-RIN7	BEB67	MBCJ50	0855	Aqueous	Bailer rinsate blank collected in the field.
NYJL-RIN8	BEB68	MBCJ51	0915	Aqueous	Dredge rinsate blank collected in the field.
NYJL-TRBK2	BEB70	NA	0800	Aqueous Trip Blank	Trip blank; demonstrated analyte-free water obtained from NUS Corp., Region 2 FIT, Edison, NJ.

ITE NAME: LI TUNGSTEN
OD#: 02-9003-01
MPLING DATES: 04/18/90-04/19/90
PA CASE NO.: 13906 LAB: COMPUCHEM

OLATILES															
ample ID No.	NYJL-GW1	NYJL-GW4	NYJL-GW5	NYJL-GW9	NYJL-GW10(DUP)	NYJL-SW1	NYJL-SW2(MS/MSD)	NYJL-SW3	NYJL-SW4	NYJL-SW6	NYJL-SW13(DUP)	NYJL-SED2	NYJL-SED3	NYJL-SED4	NYJL-SED6
affic Report No.	BEB18	BEB21	BEB22	BEB26	BEB27	BEB28	BEB29	BEB30	BEB31	BEB33	BEB40	BEB42	BEB43	BEB44	BEB46
atrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
nits	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
lution Factor	1	2.78	5	1	1	1	1	1	1	1	1	1	1	1	1
rcent Moisture	--	--	--	--	--	--	--	--	--	--	--	24	45	40	40
loromethane															
omomethane															
nyl Chloride															
loroethane															
thylene Chloride															
etone			600												
rbon Disulfide															
1-Dichloroethene		J													
1-Dichloroethane		J													
ans-1,2-Dichloroethene (total)		87								J					
loroform															
2-Dichloroethane															
Butanone			84												44 E
1,1-Trichloroethane		450													
bon Tetrachloride															
yl Acetate															
modichloromethane															
-Dichloropropane															
s-1,3-Dichloropropene															
chloroethene		93								J					J
romochloromethane															
,2-Trichloroethane															
zene															
ns-1,3-Dichloropropene															
moform															
ethyl-2-Pentanone															
exanone															
rachloroethene										14					
uene															
,2,2-Tetrachloroethane															
orobenzene															
ylbenzene															
rene															
enes (Total)															

ES:
nk space - compound analyzed for but not detected
compound found in lab blank as well as sample, indicates possible/probable blank contamination
estimated value
estimated value, compound present below CRQL but above IDL
analysis did not pass EPA QA/QC
Presumptive evidence of the presence of the material
analysis not required

101602

AME: GSTEN
TOD#: 02-9003-01
SAMPLING DATES: 0 90-04/19/90
EPA CASE NO.: 13909 LAB: COMPUCHEM

VOLATILES											
Sample ID No.	NYJL-S1	NYJL-S2(MS/MSD)	NYJL-S3	NYJL-S4	NYJL-S9	NYJL-S11(DUP)	NYJL-RIN1	NYJL-RIN2	NYJL-RIN3	NYJL-RIN4	NYJL-TRBK1
Traffic Report No.	BEB50	BEB51	BEB52	BEB53	BEB58	BEB60	BEB61	BEB62	BEB63	BEB64	BEB69
Matri-	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER	WATER	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/l	ug/l	ug/l	ug/l	ug/l
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1
Percent Moisture	27	52	18	13	12	24	--	--	--	--	--
Chloromethane											
Bromomethane											
Vinyl Chloride											
Chloroethane											
Methylene Chloride							8				
Acetone											
Carbon Disulfide											
1,1-Dichloroethene											
1,1-Dichloroethane											
Trans-1,2-Dichloroethene (total)											
Chloroform											
1,2-Dichloroethane											
2-Butanone											
1,1,1-Trichloroethane											
Carbon Tetrachloride											
Vinyl Acetate											
Bromodichloromethane											
1,2-Dichloropropane											
cis-1,3-Dichloropropene											
Trichloroethene											
Dibromochloromethane											
1,1,2-Trichloroethane											
Benzene											
trans-1,3-Dichloropropene											
Bromoform											
4-Methyl-2-Pentanone											
2-Hexanone											
etrachloroethene											
oluene											
,1,2,2-Tetrachloroethane											
hlorobenzene											
thylbenzene											
tyrene											
ylenes (Total)											

TES:
ank space - compound analyzed for but not detected
- compound found in lab blank as well as sample, indicates possible/probable blank contamination
estimated value
estimated value, compound present below CRQL but above IDL
analysis did not pass EPA QA/QC
Presumptive evidence of the presence of the material
- analysis not required
ection limits elevated if Dilution

101603

SITE NAME: LI TUNGSTEN
TDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906 LAB: COMPUCHEM

VOLATILES																		
Sample ID No.	NYJL-GW2	NYJL-GW3	NYJL-GW7	NYJL-GW8	NYJL-SW7	NYJL-SW8	NYJL-SW9	NYJL-SW10	NYJL-SED7	NYJL-SED8	NYJL-SED9	NYJL-S5	NYJL-S6	NYJL-S7	NYJL-S8	NYJL-S10	NYJL-RIN5	NYJL-RIN6
Traffic Report No.	BEB19	BEB20	BEB24	BEB25	BEB34	BEB35	BEB36	BEB37	BEB47	BEB48	BEB49	BEB54	BEB55	BEB56	BEB57	BEB59	BEB65	BEB66
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor	1	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Percent Moisture	--	--	--	--	--	--	--	--	56	46	83	18	23	13	18	35	--	--
hloromethane																		
Bromomethane																		
Vinyl Chloride																		
hloroethane																		
Methylene Chloride																		
cetone						15												
arbon Disulfide																		
,1-Dichloroethene																		
,1-Dichloroethane																		
rans-1,2-Dichloroethene (total)		110			J	J												
hloroform				J														J
,2-Dichloroethane																		
-Butanone									J									
,1,1-Trichloroethane																		
arbon Tetrachloride																		
inyl Acetate																		
romodichloromethane																		
,2-Dichloropropane																		
is-1,3-Dichloropropene																		
richloroethene		130		5	J	J												
bromochloromethane																		
1,2-Trichloroethane																		
enzene																		
ans-1,3-Dichloropropene																		
omoform																		
Methyl-2-Pentanone																		
Hexanone																		
etrachloroethene		1100			19	J												
luene																		
1,2,2-Tetrachloroethane																		
lorobenzene																		
hylbenzene																		
yrene																		
lenes (Total)																		

TES:
ank space - compound analyzed for but not detected
- compound found in lab blank as well as sample, indicates possible/probable blank contamination
- estimated value
- estimated value, compound present below CRQL but above IDL
- analysis did not pass EPA QA/QC
Presumptive evidence of the presence of the material
- analysis not required
ection limits elevated if Dilution

101604

SITE NAME: LI TUNGSTEN
IDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906 LAB: COMPUCHEM

VOLATILES			
Sample ID No.	NYJL-RIN7	NYJL-RIN8	NYJL-TRBK2
Traffic Report No.	BEB67	BEB68	BEB70
Matrix	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L
Dilution Factor	1	1	1
Percent Moisture	--	--	--
Chloromethane			
Bromomethane			
Vinyl Chloride			
Chloroethane			
Methylene Chloride			J
Acetone			
Carbon Disulfide			
1,1-Dichloroethene			
1,1-Dichloroethane			
Trans-1,2-Dichloroethene (total)			
Chloroform			
1,2-Dichloroethane			
2-Butanone			
1,1,1-Trichloroethane			
Carbon Tetrachloride			
Vinyl Acetate			
Bromodichloromethane			
1,2-Dichloropropane			
Cis-1,3-Dichloropropene			
Trichloroethene			
Dibromochloromethane			
1,1,2-Trichloroethane			
Benzene			
Trans-1,3-Dichloropropene			
Bromoform			
4-Methyl-2-Pentanone			
2-Hexanone			
Tetrachloroethene			
Toluene			
1,1,2,2-Tetrachloroethane			
Chlorobenzene			
Ethylbenzene			
Styrene			
Xylenes (Total)			

NOTES:
Blank space - compound analyzed for but not detected
J - compound found in lab blank as well as sample, indicates possible/probable blank contamination
J estimated value
J estimated value, compound present below CRQL but above IDL
R analysis did not pass EPA QA/QC
P Presumptive evidence of the presence of the material
-- - analysis not required
Detection limits elevated if Dilution

101605

SITE NAME: LI TUNGS
TUDM: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906 LAB: COMPUCHEM

SEMI-VOLATILES															
Sample ID No.	NYJL-GW1	NYJL-GW4	NYJL-GW5	NYJL-GW9	NYJL-GW10(DUP)	NYJL-SW1	NYJL-SW2(MS/MSD)	NYJL-SW3	NYJL-SW4	NYJL-SW6	NYJL-SW13(DUP)	NYJL-SED2	NYJL-SED3	NYJL-SED4	NYJL-SED6
Traffic Report No.	BEB18	BEB21	BEB22	BEB26	BEB27	BEB28	BEB29	BEB30	BEB31	BEB33	BEB40	BEB42	BEB43	BEB44	BEB46
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor/GPC Cleanup (Y)	1	1		1	1	1	1	1	1	1	1	1	1	.99	1
Percent Moisture		--	--	--	--	--	--	--	--	--	--	24	45	40	40
Phenol			LAB DID	R	R										
bis(2-Chloroethyl)ether			NOT RUN	R	R										
2-Chlorophenol			ANALYSIS	R	R										
1,3-Dichlorobenzene			ON THIS	R	R										
1,4-Dichlorobenzene			SAMPLE	R	R										
Benzyl alcohol				R	R										
1,2-Dichlorobenzene				R	R										
2-Methylphenol				R	R										
bis(2-Chloroisopropyl)ether				R	R										
4-Methylphenol				R	R										
N-Nitroso-di-n-dipropylamine				R	R										
Hexachloroethane				R	R										
Nitrobenzene				R	R										
Isophorone				R	R										
2-Nitrophenol				R	R										
2,4-Dimethylphenol				R	R										
Benzoic acid				R	R							J	J		J
bis(2-Chloroethoxy)methane				R	R										
,4-Dichlorophenol				R	R										
,2,4-Trichlorobenzene				R	R										
aphthalene				R	R										
-Chloroaniline				R	R										
exachlorobutadiene				R	R										
-Chloro-3-Methylphenol				R	R										
-Methylnaphthalene				R	R										
exachlorocyclopentadiene				R	R										
4,6-Trichlorophenol				R	R										
4,5-Trichlorophenol				R	R										
Chloronaphthalene				R	R										
Nitroaniline				R	R										
methylphthalate				R	R										
enaphthylene				R	R										J
6-Dinitrotoluene				R	R										
Nitroaniline				R	R										
enaphthene				R	R										J
-Dinitrophenol				R	R										
Nitrophenol				R	R								J		
enzofuran				R	R										
-Dinitrotoluene				R	R										
thylphthalate				R	R										
hlorophenyl-phenyl ether				R	R										
orene				R	R										J
itroaniline				R	R										
-Dinitro-2-methylphenol				R	R										
itrosodiphenylamine				R	R										
romophenyl-phenyl ether				R	R										
chlorobenzene				R	R										

101606

SITE NAME: LI TUN
TDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906 LAB: COMPUCHEM

SEMI-VOLATILES															
Sample ID No.	NYJL-GW1	NYJL-GW4	NYJL-GW5	NYJL-GW9	NYJL-GW10(DUP)	NYJL-SW1	NYJL-SW2(MS/MSD)	NYJL-SW3	NYJL-SW4	NYJL-SW6	NYJL-SW13(DUP)	NYJL-SED2	NYJL-SED3	NYJL-SED4	NYJL-SED6
Traffic Report No.	BEB18	BEB21	BEB22	BEB26	BEB27	BEB28	BEB29	BEB30	BEB31	BEB33	BEB40	BEB42	BEB43	BEB44	BEB46
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor/GPC Cleanup (Y)	1	1		1	1	1	1	1	1	1	1	1	1	.99	1
Percent Moisture		--	--	--	--	--	--	-	--	--	--	24	45	40	40
Pentachlorophenol				R	R										
Phenanthrene				R	R										J
Anthracene				R	R										J
Di-n-butylphthalate				R	R										J
Fluoranthene				R	R										1600
Pyrene				R	R									J	1200
Butylbenzylphthalate				R	R										J
3,3'-Dichlorobenzidine				R	R										
Benzo(a)anthracene				R	R							JN			810
Chrysene				R	R							JN			870
bis(2-Ethylhexyl)phthalate				R	R									580	3000
Di-n-octylphthalate				R	R										J
Benzo(b)fluoranthene				R	R							JN	JN	JN	2000 EN
Benzo(k)fluoranthene				R	R							JN	JN	JN	2000 EN
Benzo(a)pyrene				R	R										760
Indeno(1,2,3-cd)pyrene				R	R										J
Dibenz(a,h)anthracene				R	R										J
Benzo(g,h,i)perylene				R	R										J

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
J - estimated value
E - estimated value, compound present below CRQL but above IDL
- analysis did not pass EPA QA/QC
- Presumptive evidence of the presence of the material
R - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

101607

SITE NAME: LI TUNGSTEN
TODR: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13909 LAB: COMPUCHEM

SEMI-VOLATILES											
Sample ID No.	NYJL-S1	NYJL-S2(MS/MSD)	NYJL-S3	NYJL-S4	NYJL-S9	NYJL-S11(DUP)	NYJL-RIN1	NYJL-RIN2	NYJL-RIN3	NYJL-RIN4	NYJL-TRBK1
Traffic Report No.	BEB50	BEB51	BEB52	BEB53	BEB58	BEB60	BEB61	BEB62	BEB63	BEB64	BEB69
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER	WATER	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	.99	1	1	1	1	1	1	1	1	N/A
Percent Moisture	27	52	18	13	12	24	--	--	--	--	N/A
Phenol											NR
bis(2-Chloroethyl)ether											NR
2-Chlorophenol											NR
1,3-Dichlorobenzene											NR
1,4-Dichlorobenzene											NR
Benzyl alcohol											NR
1,2-Dichlorobenzene											NR
2-Methylphenol											NR
bis(2-Chloroisopropyl)ether											NR
4-Methylphenol											NR
N-Nitroso-di-n-dipropylamine											NR
Hexachloroethane											NR
Nitrobenzene											NR
Isophorone											NR
2-Nitrophenol											NR
2,4-Dimethylphenol											NR
enzoic acid		J	J		J	J					NR
is(2-Chloroethoxy)methane											NR
,4-Dichlorophenol											NR
,2,4-Trichlorobenzene											NR
aphthalene											NR
-Chloroaniline											NR
exachlorobutadiene											NR
-Chloro-3-Methylphenol											NR
Methylnaphthalene											NR
xachlorocyclopentadiene											NR
4,6-Trichlorophenol											NR
4,5-Trichlorophenol											NR
Chloronaphthalene											NR
Nitroaniline											NR
methylphthalate											NR
enaphthylene											NR
5-Dinitrotoluene											NR
Nitroaniline											NR
enaphthene											NR
4-Dinitrophenol											NR
Nitrophenol											NR
enzofuran											NR
-Dinitrotoluene											NR
thylphthalate											NR
hlorophenyl-phenyl ether											NR
orene											NR
itroaniline											NR
-Dinitro-2-methylphenol											NR
itrosodiphenylamine											NR
omophenyl-phenyl ether											NR
chlorobenzene											NR

101608

NAME: [illegible] NGSTEN
TDD#: 02-9003-01
SAMPLING DATES: [illegible]/90-04/19/90
EPA CASE NO.: 13909 LAB: COMPUCHEM

SEMI-VOLATILES											
Sample ID No.	NYJL-S1	NYJL-S2(MS/MSD)	NYJL-S3	NYJL-S4	NYJL-S9	NYJL-S11(DUP)	NYJL-RIN1	NYJL-RIN2	NYJL-RIN3	NYJL-RIN4	NYJL-TRBK1
Traffic Report No.	BEB50	BEB51	BEB52	BEB53	BEB58	BEB60	BEB61	BEB62	BEB63	BEB64	BEB69
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER	WATER	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution factor/GPC Cleanup (Y)	1	.99	1	1	1	1	1	1	1	1	N/A
Percent Moisture	27	52	18	13	12	24	--	--	--	--	N/A
Pentachlorophenol											NR
Phenanthrene					J	J					NR
Anthracene					J						NR
Di-n-butylphthalate		J	690								NR
Fluoranthene	J				610	J					NR
Pyrene					630	J					NR
Butylbenzylphthalate											NR
3,3'-Dichlorobenzidine											NR
Benzo(a)anthracene					410	J					NR
Chrysene					390	J					NR
bis(2-Ethylhexyl)phthalate	J	J	J			J					NR
Di-n-octylphthalate											NR
Benzo(b)fluoranthene	JN	JN			980 EN	460 EN					NR
Benzo(k)fluoranthene	JN	JN			980 EN	460 EN					NR
Benzo(a)pyrene					440	J					NR
Indeno(1,2,3-cd)pyrene					J	J					NR
Dibenz(a,h)anthracene					J						NR
Benzo(g,h,i)perylene					380	J					NR

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
R - analysis not required
etection limits elevated if Dilution actor >1 and/or percent moisture >0%

101609

NAME UNGSTE
IDD#: 02-9003-01
SAMPLING DATES:)/90-04/19/90
EPA CASE NO.: 139vo LAB: COMPUCHEM

SEMI-VOLATILES																		
Sample ID No.	NYJL-GW2	NYJL-GW3	NYJL-GW7	NYJL-GW8	NYJL-SW7	NYJL-SW8	NYJL-SW9	NYJL-SW10	NYJL-SED7	NYJL-SED8	NYJL-SED9	NYJL-S5	NYJL-S6	NYJL-S7	NYJL-S8	NYJL-S10	NYJL-RIN5	NYJL-RIN6
Traffic Report No.	BEB19	BEB20	BEB24	BEB25	BEB34	BEB35	BEB36	BEB37	BEB47	BEB48	BEB49	BEB54	BEB55	BEB56	BEB57	BEB59	BEB65	BEB66
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
Percent Moisture	--	--	--	--	--	--	--	--	56	46	83	18	23	13	18	35	--	--
Phenol		R				R	R		J									
bis(2-Chloroethyl)ether																		
2-Chlorophenol		R				R	R											
1,3-Dichlorobenzene																		
1,4-Dichlorobenzene																		
Benzyl alcohol																		
1,2-Dichlorobenzene																		
2-Methylphenol		R				R	R											
bis(2-Chloroisopropyl)ether																		
4-Methylphenol		R				R	R											
N-Nitroso-di-n-dipropylamine																		
Hexachloroethane																		
Nitrobenzene																		
Isophorone																		
2-Nitrophenol		R				R	R											
2,4-Dimethylphenol		R				R	R											
Benzoic acid		R				R	R	J	J							J		
bis(2-Chloroethoxy)methane																		
2,4-Dichlorophenol		R				R	R											
1,2,4-Trichlorobenzene												J						
Naphthalene														J				
4-Chloroaniline																		
Hexachlorobutadiene																		
4-Chloro-3-Methylphenol		R			J	R	R											
2-Methylnaphthalene																		
Hexachlorocyclopentadiene																		
2,4,6-Trichlorophenol		R				R	R											
2,4,5-Trichlorophenol		R				R	R											
2-Chloronaphthalene																		
2-Nitroaniline																		
Dimethylphthalate																		
cenaphthylene																		
,6-Dinitrotoluene																		
-Nitroaniline																		
cenaphthene									J					J				
,4-Dinitrophenol		R				R	R											
-Nitrophenol		R				R	R											
ibenzofuran									J					J				
,4-Dinitrotoluene																		
ethylphthalate																		
Chlorophenyl-phenyl ether																		
uorene									J					J				
Nitroaniline																		
6-Dinitro-2-methylphenol		R				R	R											
nitrosodiphenylamine																		
romophenyl-phenyl ether																		
achlorobenzene																		

101610

NAME: NGSTEN
TDD#: 02-9003-01
SAMPLING DATES: 4 /90-04/19/90
EPA CASE NO.: 13906 LAB: COMPUCHEM

SEMI-VOLATILES																		
Sample ID No.	NYJL-GW2	NYJL-GW3	NYJL-GW7	NYJL-GW8	NYJL-SW7	NYJL-SW8	NYJL-SW9	NYJL-SW10	NYJL-SED7	NYJL-SED8	NYJL-SED9	NYJL-S5	NYJL-S6	NYJL-S7	NYJL-S8	NYJL-S10	NYJL-RIN5	NYJL-RIN6
Traffic Report No.	BEB19	BEB20	BEB24	BEB25	BEB34	BEB35	BEB36	BEB37	BEB47	BEB48	BEB49	BEB54	BEB55	BEB56	BEB57	BEB59	BEB65	BEB66
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
Percent Moisture	--	--	--	--	--	--	--	--	56	46	83	18	23	13	18	35	--	--
Pentachlorophenol		R				R	R											
Phenanthrene									2700			J	J	890		J		
Anthracene									J					J				
Di-n-butylphthalate									J							J		
Fluoranthene									6800			J	J	990		J		
Pyrene									3900			J	J	950		J		
Butylbenzylphthalate									J					J		J		
3,3'-Dichlorobenzidine																		
Benzo(a)anthracene									2400				J	560		J		
Chrysene									3000			J	J	540		J		
bis(2-Ethylhexyl)phthalate									7200			J	J	J	J	J		
Di-n-octylphthalate									J									
Benzo(b)fluoranthene									3600			JN	JN	930 EN		JN		
Benzo(k)fluoranthene									2500			JN	JN	930 EN		JN		
Benzo(a)pyrene									2500			J	J	420		J		
Indeno(1,2,3-cd)pyrene									J				J	J		J		
Dibenz(a,h)anthracene									J					J				
Benzo(g,h,i)perylene									J				J	J		J		

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
R - analysis not required
etection limits elevated if Dilution actor >1 and/or percent moisture >0%

101611

SITE NAME: LI TUNGST
TDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906 LAB: COMPUCHEM

SEMI-VOLATILES			
Sample ID No.	NYJL-RIN7	NYJL-RIN8	NYJL-TRBK2
Traffic Report No.	BEB67	BEB68	BEB70
Matrix	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	N/A
Percent Moisture	--	--	N/A
Phenol			NR
bis(2-Chloroethyl)ether			NR
2-Chlorophenol			NR
1,3-Dichlorobenzene			NR
1,4-Dichlorobenzene			NR
Benzyl alcohol			NR
1,2-Dichlorobenzene			NR
2-Methylphenol			NR
bis(2-Chloroisopropyl)ether			NR
4-Methylphenol			NR
N-Nitroso-di-n-dipropylamine			NR
Hexachloroethane			NR
Nitrobenzene			NR
Isophorone			NR
2-Nitrophenol			NR
2,4-Dimethylphenol			NR
Benzoic acid			NR
bis(2-Chloroethoxy)methane			NR
2,4-Dichlorophenol			NR
1,2,4-Trichlorobenzene			NR
Naphthalene			NR
4-Chloroaniline			NR
Hexachlorobutadiene			NR
4-Chloro-3-Methylphenol			NR
2-Methylnaphthalene			NR
Hexachlorocyclopentadiene			NR
,4,6-Trichlorophenol			NR
,4,5-Trichlorophenol			NR
-Chloronaphthalene			NR
-Nitroaniline			NR
imethylphthalate			NR
cenaphthylene			NR
,6-Dinitrotoluene			NR
-Nitroaniline			NR
cenaphthene			NR
4-Dinitrophenol			NR
Nitrophenol			NR
benzofuran			NR
4-Dinitrotoluene			NR
ethylphthalate			NR
Chlorophenyl-phenyl ether			NR
orene			NR
Nitroaniline			NR
-Dinitro-2-methylphenol			NR
nitrosodiphenylamine			NR
romophenyl-phenyl ether			NR
achlorobenzene			NR

101612

SITE NAME: LI TUNGSTEN
TDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906 LAB: COMPUCHEM

SEMI-VOLATILES			
Sample ID No.	NYJL-RIN7	NYJL-RIN8	NYJL-TRBK2
Traffic Report No.	BEB67	BEB68	BEB70
Matrix	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	N/A
Percent Moisture	--	--	N/A
Pentachlorophenol			NR
Phenanthrene			NR
Anthracene			NR
Di-n-butylphthalate			NR
Fluoranthene			NR
Pyrene			NR
Butylbenzylphthalate			NR
3,3'-Dichlorobenzidine			NR
Benzo(a)anthracene			NR
Chrysene			NR
Bis(2-Ethylhexyl)phthalate			NR
Di-n-octylphthalate			NR
Benzo(b)fluoranthene			NR
Benzo(k)fluoranthene			NR
Benzo(a)pyrene			NR
Indeno(1,2,3-cd)pyrene			NR
Dibenz(a,h)anthracene			NR
Benzo(g,h,i)perylene			NR

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
J - estimated value
E - estimated value, compound present below CRQL but above IDL
* - analysis did not pass EPA QA/QC
P - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

101613

SITE NAME: LI TUNGSTEN
TDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906 LAB: COMPUCHEM

PESTICIDES															
Sample ID No.	NYJL-GW1	NYJL-GW4	NYJL-GW5	NYJL-GW9	NYJL-GW10(DUP)	NYJL-SW1	NYJL-SW2(MS/MSD)	NYJL-SW3	NYJL-SW4	NYJL-SW6	NYJL-SW13(DUP)	NYJL-SED2	NYJL-SED3	NYJL-SED4	NYJL-SED6
Traffic Report No.	BEB18	BEB21	BEB22	BEB26	BEB27	BEB28	BEB29	BEB30	BEB31	BEB33	BEB40	BEB42	BEB43	BEB44	BEB46
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1
Percent Moisture		--	--	--	--	--	--	--	--	--	--	24	45	40	40
alpha-BHC			R												R
beta-BHC			R												R
delta-BHC			R												R
gamma-BHC (Lindane)			R												R
Heptachlor			R												R
Aldrin			R												R
Heptachlor epoxide			R												
Endosulfan I			R												
Dieldrin															
4,4'-DDE															
Endrin															
Endosulfan II															
4,4'-DDD															
Endosulfan sulfate															
4,4'-DDT															
Methoxychlor															
Endrin ketone															
Alpha-Chlordane															
Gamma-Chlordane															
Toxaphene															
Aroclor-1016															
Aroclor-1221															
Aroclor-1232															
Aroclor-1242															
Aroclor-1248								2.6				9600	50000	610	
Aroclor-1254						2		1.4			2.2	1600			
Aroclor-1260															

NOTES:
Blank space - compound analyzed for but not detected
- compound found in lab blank as well as sample, indicates possible/probable blank contamination
- estimated value
- estimated value, compound present below CRQL but above IDL
- analysis did not pass EPA QA/QC
- Presumptive evidence of the presence of the material
- analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

101614

SITE NAME: [illegible]
TDD#: 02-9003-01
SAMPLING DATES: 04/16/90-04/19/90
EPA CASE NO.: 13909 LAB: COMPUCHEM

PESTICIDES											
Sample ID No.	NYJL-S1	NYJL-S2(MS/MSD)	NYJL-S3	NYJL-S4	NYJL-S9	NYJL-S11(DUP)	NYJL-RIN1	NYJL-RIN2	NYJL-RIN3	NYJL-RIN4	NYJL-TRBK1
Traffic Report No.	BEB50	BEB51	BEB52	BEB53	BEB58	BEB60	BEB61	BEB62	BEB63	BEB64	BEB69
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER	WATER	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1	1	N/A
Percent Moisture	27	52	18	13	12	24	--	--	--	--	N/A
alpha-BHC			R								NR
beta-BHC			R								NR
delta-BHC			R								NR
gamma-BHC (Lindane)			R								NR
Heptachlor			R								NR
Aldrin			R								NR
Heptachlor epoxide			R								NR
Endosulfan I			R								NR
Dieldrin											NR
4,4'-DDE	34										NR
Endrin											NR
Endosulfan II											NR
4,4'-DDD											NR
Endosulfan sulfate											NR
4,4'-DDT	60					57					NR
Methoxychlor											NR
Endrin ketone											NR
alpha-Chlordane											NR
gamma-Chlordane											NR
Toxaphene											NR
Aroclor-1016											NR
Aroclor-1221											NR
Aroclor-1232											NR
Aroclor-1242											NR
Aroclor-1248					4700						NR
Aroclor-1254					2900						NR
Aroclor-1260											NR

NOTES:
lank space - compound analyzed for but not detected
- compound found in lab blank as well as sample, indicates possible/probable blank contamination
- estimated value
- estimated value, compound present below CRQL but above IDL
- analysis did not pass EPA QA/QC
- Presumptive evidence of the presence of the material
- analysis not required
tection limits elevated if Dilution ctor >1 and/or percent moisture >0%

101615

SITE NAME: LI TUNGSTEN
TDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE).: 13906 LAB: COMPUCHEM

PESTICIDES																		
Sample ID No.	NYJL-GW2	NYJL-GW3	NYJL-GW7	NYJL-GW8	NYJL-SW7	NYJL-SW8	NYJL-SW9	NYJL-SW10	NYJL-SED7	NYJL-SED8	NYJL-SED9	NYJL-S5	NYJL-S6	NYJL-S7	NYJL-S8	NYJL-S10	NYJL-RIN5	NYJL-RIN6
Traffic Report No.	BEB19	BEB20	BEB24	BEB25	BEB34	BEB35	BEB36	BEB37	BEB47	BEB48	BEB49	BEB54	BEB55	BEB56	BEB57	BEB59	BEB65	BEB66
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Percent Moisture	--	--	--	--	--	--	--	--	56	46	83	18	23	13	18	35	--	--
Alpha-BHC																		
Beta-BHC																		
Delta-BHC																		
Gamma-BHC (Lindane)																		
Heptachlor																		
Aldrin																		
Heptachlor epoxide											67 E							
Endosulfan I																		
Dieldrin																		
4,4'-DDE										170								
Endrin																		
Endosulfan II																		
4,4'-DDD						0.17			70	150								
Endosulfan sulfate																		
4,4'-DDT													71					
Methoxychlor																		
Endrin ketone																		
Alpha-Chlordane																		
Gamma-Chlordane																		
Toxaphene																		
Aroclor-1016																		
Aroclor-1221																		
Aroclor-1232																		
Aroclor-1242																		
Aroclor-1248																		
Aroclor-1254												540		640		690		
Aroclor-1260																		

NOTES:
Blank space - compound analyzed for but not detected
- compound found in lab blank as well as sample, indicates possible/probable blank contamination
estimated value
estimated value, compound present below CRQL but above IDL
analysis did not pass EPA QA/QC
Presumptive evidence of the presence of the material
- analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

101616

SITE NAME: LI TUNGST
TDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906 LAB: COMPUCHEM

PESTICIDES			
Sample ID No.	NYJL-RIN7	NYJL-RIN8	NYJL-TRBK2
Traffic Report No.	BEB67	BEB68	BEB70
Matrix	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	N/A
Percent Moisture	--	--	N/A
alpha-BHC			NR
beta-BHC			NR
delta-BHC			NR
gamma-BHC (Lindane)			NR
Heptachlor			NR
Aldrin			NR
Heptachlor epoxide			NR
Endosulfan I			NR
Dieldrin			NR
4,4'-DDE			NR
Endrin			NR
Endosulfan II			NR
4,4'-DDD			NR
Endosulfan sulfate			NR
4,4'-DDT			NR
Methoxychlor			NR
Endrin ketone			NR
alpha-Chlordane			NR
gamma-Chlordane			NR
Toxaphene			NR
Aroclor-1016			NR
Aroclor-1221			NR
Aroclor-1232			NR
Aroclor-1242			NR
Aroclor-1248			NR
Aroclor-1254			NR
Aroclor-1260			NR

NOTES:
Blank space - compound analyzed for but not detected
- compound found in lab blank as well as sample, indicates possible/probable blank contamination
- estimated value
- estimated value, compound present below CRQL but above IDL
- analysis did not pass EPA QA/QC
- Presumptive evidence of the presence of the material
- analysis not required
Detection limits elevated if Dilution Factor 1 and/or percent moisture 80%

101617

SITE NAME: LI TUNGS
TDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906
LAB NAME: ENSECO/RMAL

INORGANICS															
Sample ID No.	NYJL-GW1	NYJL-GW4	NYJL-GW5	NYJL-GW9	NYJL-GW10(DUP)	NYJL-SW1	NYJL-SW2(MS/MSD)	NYJL-SW3	NYJL-SW4	NYJL-SW6	NYJL-SW13(DUP)	NYJL-SED2	NYJL-SED3	NYJL-SED4	NYJL-SED6
Traffic Report No.	MBCJ01	MBCJ04	MBCJ05	MBCJ09	MBCJ10	MBCJ11	MBCJ12	MBCJ13	MBCJ14	MBCJ16	MBCJ23	MBCJ25	MBCJ26	MBCJ27	MBCJ29
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	32600	171000		122000	120000	J	409	931	204	J	J	2190	3560	12600	6000 E
Antimony	68.8		3390	184	212		73.1	212				3320 E	3290 E	245 E	
Arsenic		J	R	2690	2800	J	50.2	145 E	15.2		J	1240	1770	228	20.1 E
Barium	525	707	J	J	J	J	J	J	J	J	J	333	387	131	J
Beryllium	J	11.1		11.2	12.3									2.8	J
Cadmium												5.6	10.1	5.9	8.3 E
Calcium	26100	28000	214000	541000	572000	6560	6670	40600	449000	71200	6930	2800	24000	149000	6640 E
Chromium	97.9	344	J	137	132		J	J				24.5	78.7	62	34.5 E
Cobalt	128	221		353	358		61.2	475	85.8	J		18.1	60.8	1390	53.6 E
Copper	171 E	276 E	J	231 E	212 E	J	103 E	640 E	48.2 E	J	26.4	171 E	454 E	994 E	281 E
Iron	228000	257000	6390	370000	384000	174	2150	4530	547	871	141	46400	145000	20900	19200 E
Lead	31.1	209	R	144 E	88.6 E	J	141	195	102 E	J	J	2950	5140	937	254 E
Magnesium	17900	46300	J	179000	187000	J	J	J	15900	175000	J	J	J	24100	4240 E
Manganese	3990	7620	1730	35300	37300	J	108	535	138	173	J	221	260	1110	245 E
Mercury	0.42	13	0.48	0.28	0.25		0.21	0.66				4.4 E	9 E	0.71 E	0.45 E
Nickel	135	213		339	336	J	50	140	J	J	J			291	82.3 E
Potassium	10100 E	14100 E	J	25400 E	25600 E	J	J	J	5920 E	43000 E	J	J	3430	3510	J
Selenium									J			J	19 E		
Silver						J	15	23.6	J			103	136	32.2	33.8 E
Sodium	10600	9940	10100000	1390000	1460000	36100	14100	56300	21700	1360000	36700		J		5150 E
Thallium												R	R	R	R
Vanadium	125	512		198	181									56.5 E	28.8 E
Zinc	508 E	825 E	J	5940 E	6200 E	20.7 E	93.3 E	229 E	31.4 E	J	R	119 E	197 E	551 E	1720 E
Cyanide		13.6													

NOTES:
Blank space - compound analyzed for but not detected
J - estimated value
E - estimated value, compound present below CRDL but above IDL
R - analysis did not pass EPA QA/QC
- analysis not required

101618

SITE NAME: LI TO...N
TDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906
LAB NAME: ENSECO/RMAL

INORGANICS											
Sample ID No.	NYJL-S1	NYJL-S2(MS/MSD)	NYJL-S3	NYJL-S4	NYJL-S9	NYJL-S11(DUP)	NYJL-RIN1	NYJL-RIN2	NYJL-RIN3	NYJL-RIN4	NYJL-TRBK1
Traffic Report No.	MBCJ33	MBCJ34	MBCJ35	MBCJ36	MBCJ41	MBCJ43	MBCJ44	MBCJ45	MBCJ46	MBCJ47	N/A
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER	WATER	WATER	N/A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	6150	32300 E	330	519	4960	5550					NR
Antimony	258 E	272 E	796 E	188 E	296 E	189 E					NR
Arsenic	309	2600 E	3370	3700	233	413					NR
Barium	J	492 E	J	J	177	J					NR
Beryllium	J	8.9 E			J						NR
Cadmium	J	49 E	14.9	16	9.1	1.5					NR
Calcium	J	59200 E	J	J	2200	J					NR
Chromium	14.3	172 E		39.1	20.5	14					NR
Cobalt	J	198 E	J	J	73.5	J					NR
Copper	46.2 E	3080 E	2190 E	752 E	1150 E	46.5 E			J	J	NR
Iron	28500	172000 E	327000	246000	60100	31600	J	J	J		NR
Lead	179	16000 E	9090	1960	8660	188					NR
Magnesium	J	2470 E	J	J	1540	J					NR
Manganese	87.3	25100 E	2260	5290	2120	85.4					NR
Mercury	0.54 E	13 E	0.68 E	0.6 E	1.4 E	0.37 E					NR
Nickel	J	53.9 E			165	J					NR
Potassium	J	J	J	J	J	J					NR
Selenium			2.5 E	3.4 E	10 E						NR
Silver	4.8	65.5 E	156	84.3	55.5	5.5					NR
Sodium			8540			J					NR
Thallium	R	R	R	R	R	R					NR
Vanadium	20.8 E	117 E	J	J	22.7 E	20.3 E					NR
Zinc	43.3 E	2980 E	1330 E	1240 E	559 E	39.7 E				J	NR
Cyanide		1.5 E									NR

NOTES:
Blank space - compound analyzed for but not detected
E - estimated value
J - estimated value, compound present below CRDL but above IDL
R - analysis did not pass EPA QA/QC
NR - analysis not required

101619

ITE NAME: LI TUNGSTEN
DD#: 02-9003-01
AMPLING DATES: 04/18/90-04/19/90
PA CASE NO.: 13906
AB NAME: ENSECO/RMAL

NORGANICS												
ample ID No.	NYJL-GW2	NYJL-GW3	NYJL-GW7	NYJL-GW8	NYJL-SW7	NYJL-SW8	NYJL-SW9	NYJL-SW10	NYJL-SED7	NYJL-SED8	NYJL-SED9	NYJL-S5
raffic Report No.	MBCJ02	MBCJ03	MBCJ07	MBCJ08	MBCJ17	MBCJ18	MBCJ19	MBCJ20	MBCJ30	MBCJ31	MBCJ32	MBCJ37
atrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SOIL
nits	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/kg	mg/kg	mg/kg	mg/kg
luminum	152000	115000	3970	3910	J	581	338	J	9200 E	7970	5540 E	16300
ntimony	J		276	J		86.2		877			104 E	310 E
rsenic	J	J	81.7	31.8		43.8	17.2	J	17.1 E	45.9	193 E	437
arium	963	894	J	J	J	J	J	J	J	106	1340 E	860
eryllium	11	9.4							J	J	J	2
admium	53.6	14 E	29.1			7.5 E		16.2 E	R		J	16.5
alcium	39900	88100	90600	130000	32400	53500	37700	37500	19900 E	J	13200 E	36800
hromium	369	271	23.7	20.9				66.2	47.4 E	20.4	87.6 E	160
obalt	115	109	703	53.9		3020	805	17500	30 E	92.1	7910 E	2270
opper	231 E	2080 E	391 E	60.8 E	J	169 E	55.9 E	1570	268 E	26.1 E	571 E	4180 E
on	246000	231000	9450	34200	663	17300	24200	6580	21000 E	22800	239000 E	85900
ead	146	121	198	7.3		30.8	13.2 E	153	345 E	31.5 E	356 E	3390
agnesium	57200	42500	13000	19300	29000	14700	12700	18600 E	7990 E	1990	J	48900
anganese	3900	8190	1480	829	93.5	2280	7200	29500	212 E	205	65100 E	18400
ercury	0.25		0.87	0.29				0.84	0.53 E			1.7 E
ickel	243	225	525	50		1700	369	76000	48.3 E	44.4	3330 E	9130
otassium	34100 E	11400 E	8720 E	9380 E	9290 E	8870 E	J	7630	J	J	J	J
elenium			J									1.9 E
ilver			J					34.6	37.6 E		23.6 E	75.6
odium	23300	45500	117000	35900	202000	69800	21300	464000	13500 E			4460
hallium									R	R	R	R
anadium	421	320	J	J		J			37.7 E	32.9 E	J	43.3 E
inc	632 E	1820 E	3840 E	160 E	J	1530 E	81.4 E	R	390 E	96.9 E	622 E	1570 E
yanide		11.4										

OTES:
lank space - compound analyzed for but
not detected
estimated value
estimated value, compound present
below CRDL but above IDL
analysis did not pass EPA QA/QC
- analysis not required

101620

SITE NAME: LI TUNGSTEN
TDD#: 02-9003-01
SAMPLING DATES: 04/18/90-04/19/90
EPA CASE NO.: 13906
LAB NAME: ENSECO/RMAL

INORGANICS									
Sample ID No.	NYJL-S6	NYJL-S7	NYJL-S8	NYJL-S10	NYJL-RIN5	NYJL-RIN6	NYJL-RIN7	NYJL-RIN8	NYJL-TRBK2
Traffic Report No.	MBCJ38	MBCJ39	MBCJ40	MBCJ42	MBCJ48	MBCJ49	MBCJ50	MBCJ51	N/A
Matrix	SOIL	SOIL	SOIL	SOIL	WATER	WATER	WATER	WATER	N/A
Units	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	2710	8750	9840	11200		J			NR
Antimony	458 E	17.7							NR
Arsenic	452	44.1	33	10.5					NR
Barium	83.1	66.9	109	95.2					NR
Beryllium	J	J	J	J					NR
Cadmium	17.4	2	1.4	1.7				31.6	NR
Calcium	4770	14700	J	4580					NR
Chromium	13.3	19.3	24.2	23.6					NR
Cobalt	J	21.4	J	16					NR
Copper	1030 E	172 E	317 E	42.1 E	J		J		NR
Iron	48700	14700	60200	17200	J	J	122	J	NR
Lead	14200	324	58	240					NR
Magnesium	J	8950	1230	2130					NR
Manganese	154	403	340	760					NR
Mercury	0.9 E	1.1 E		0.36 E					NR
Nickel	J	29.5	9.8	25.4				J	NR
Potassium	J	J	J	J					NR
Selenium	13.6 E								NR
Silver	125	2.6							NR
Sodium									NR
Thallium	R	R	R	R					NR
Vanadium	39.5 E	32.4 E	39.2 E	50.4 E					NR
Zinc	847 E	166 E	52.6 E	179 E	J	J	J	J	NR
Cyanide									NR

NOTES:
Blank space - compound analyzed for but not detected
J - estimated value
E - estimated value, compound present below CRDL but above IDL
R - analysis did not pass EPA QA/QC
NR - analysis not required

101621

BEB22
Never anal.
as per Big 8M00

ATTACHMENT 1
SOP NO. HW-6

PAGE __OF__

TOTAL REVIEW

CLP DATA ASSESSMENT

Functional Guidelines for Evaluating Organics Analysis

Case No. 13906 SDG No BEB42 BEB62 BEB61 LABORATORY Compu SITE Li Tungsten

DATA ASSESSMENT:

The current functional guidelines (1988) for evaluating organic data have been applied.

All data are valid and acceptable except those analytes which have been qualified with a "J" (estimated), "U" (non-detects), "R" (unusable),or "JN" (presumptive evidence for the presence of the material at an estimated value). All action is detailed on the attached sheets.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Reviewer's Signature: [signature] Date: 6/29/1990

Verified By: Pamela D Greenlaw Date: 6/29/1990

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DATA ASSESSMENT:

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following action was taken in the samples and analytes shown due to excessive holding time.

ATTACHMENT 1
SOP NO. HW-6

DATA ASSESSMENT:

2. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip field, rinse and water blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross- contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for the common contaminants), the analytes are qualified as non- detects, "U". The following analytes in the samples shown were qualified with "U" for these reasons:

A) Method blank contamination

VOA-The below listed analytes were flagged non-detect in the following samples:

Methylene Chloride -BEB42,43,44,47,48,49,50,51,53,54,55,57,58,59 + BEB24,29,46,52 + 56

Acetone -BEB42,43,44,47,48,49,50,51,53,54,55,57,58,59 + 60

Tetrachloroethane - BEB21

B) Field or rinse blank contamination ("water blanks" or "distilled water blanks" are validated like any other sample)

C) Trip blank contamination

VOA-Methylene Chloride was flagged nondetect in BEB20.

DATA ASSESSMENT:

3. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB) and for semi-volatiles is decafluorotriphenyl- phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable, "R".

DATA ASSESSMENT:

4. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) RESPONSE FACTOR:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be $\geq$ 0.05 in both the initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected ("R").

ATTACHMENT 1
SOP NO. HW-6

DATA ASSESSMENT:

5. CALIBRATION:

A) PERCENT RELATIVE STANDARD DEVIATION (%RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ" (if %D or RSD >50%). If there is a gross deviation of %RSD and %D, the non-detects may be rejected ("R").

For the PCB/PESTICIDE fraction, %RSD for aldrin, endrin, DDT, and dibutylchlorendate must not exceed 10%. Percent D must be within 15% on the quantitation column and 20% on the confirmation column.

Cont Calib
VOA - The analytes listed below were flagged estimated (J) in the samples listed due to %D 750 in continuing calibration.

Bromoform - BEB62 -70, 21 & 22
Acetone - BEB18
4methyl2pentanone - BEB25, 28, 31, 33, 36, 34.
Vinyl acetate bromoform, & 2 hexanone - BEB42, 43, 44, 46, 47, 48 & 50.

Cont Calib
VOA - 2Butanone was flagged estimated (J) in BEB46 due to %D 730.

Cont Calib
SV - 4 nitrophenol & 4 nitroaniline were flagged estimated (J) in BEB62 thru 68 due to %D 750.

SV - 4-Chloroaniline was flagged estimated (J) in BEB68 due to %D 750

SV - 4 nitrophenol [illegible]

DATA ASSESSMENT:

6. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

SV - BEB20, 35 + 36 had Acid surrogate recoveries <10% therefore the 14 phenol compounds + benzoic acid were rejected in these 3 samples

SV - All analytes were rejected in BEB26 + 27 due to low surrogate recoveries <10% for base neutrals & acids.

DATA ASSESSMENT:

7. INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction.

ATTACHMENT 1
SOP NO. HW-6

DATA ASSESSMENT:

8. COMPOUND IDENTIFICATION:

A) VOLATILE AND SEMI-VOLATILE FRACTIONS:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

B) PESTICIDE FRACTION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10 ng/ml in the final sample extract.

SV - the "x" footnote denotes the coelution of ~~indist~~ indistinguishable isomers. Therefore the analyte listed below were flagged estimated (N) presumptive evidence.
— benzo(b) + (k) fluoranthene: BEB42-44, 46, 50, 51, 54-56, 58-60
— benzo(a) anthracene + chrysene: BEB42.

SV - The 2 VOA TCL TICs found in BEB54 + 47 were not rejected because they were not found in the volatile analysis. The lab attributes these results to homogeneity and/or differences between the as-received VOA + SV containers because all associated blanks met all QC crite

PEST - The "C" footnote denotes GC/MS confirmation for Aroclor 1248 + 1254 in BEB42 + 58 + Aroclor 1248 in BEB42

DATA ASSESSMENT:

9. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for some additional qualification of the data.

DATA ASSESSMENT:

10. OTHER QC DATA OUT OF SPECIFICATION:

VOA - BEB49 is 7 75% moisture for a sediment sample &
+SV BEB51 is 750% moisture for a soil sample, therefor
+PEST all analytes were flagged estimated (J)

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT (continued on next page if necessary):

PEST - Alpha BHC, beta BHC, delta BHC, gamma BHC, heptachlor, Aldrin were rejected in BEB46 + 52 + 22 due to interference on the column. (No ~~secondary~~ confirmation run on BEB52)

PEST - + Heptachlor epoxide + endosulfan II were also reject en BEB52 + 22 for the above reason.

12. CONTRACT PROBLEMS____NON-COMPLIANCE:

~~VOA - Not written in case narrative as to why BEB47 + 54 were~~
+SV ~~reanalyzed. The validator can find no reason for it.~~

13. This package contains re-extraction, re-analysis or dilution. Upon reviewing the QA results, the following form I(s) are identified to be used.

VOA - BEB47 + 54 were reanalyzed, the reanalyzed data was,
+SV extracted out of holding time. Therefore, the original data will be used. The samples were reanalyzed because the SV TICs contained styrene + ethylbenzene.

~~SV - BEB47 + 54 were reanalyzed~~

SV - BEB20, 26, 27, 35 + 36 showed low acid recoveries. The reanalyzed data showed same, therefore the original data will be used.

DATA ASSESSMENT:

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT (continued):

(No. of Compounds/No. of Fractions (Samples)

Date: February 19

Type of Review: Total

Date: 6/29/

Case #: 13906

Project: LL Tungsten

Lab Name: Compuchem

Reviewer's Initials: B

Number of Samples: 47

Analytes Rejected Due to Exceeding Review Criteria:

	Surrogates	Holding Time	Calibration	Contamination	ID	Other	Total # Samples	Total # Rejected/ Total # in all Samples
Acids (15)	30/2						45	30/675
B/N (50)							45	0/2250
VOA (35)				36/21			47	36/1645
PEST (20)					14/2		45	14/900
PCB (7)							45	0/315
TCDD (1)							0	0/0

Analytes Estimated Due to Exceeding Review Criteria for:

						0/0 Blank		
Acids (15)	45/3		10/10			30/2	45	85/675
B/N (50)			8/7			100/2	45	103/2250
VOA (35)			40/25			70/2	47	110/1645
PEST (20)						40/2	45	42/900
PCB (7)						14/2	45	14/315
TCDD (1)							0	0/0

101634

Region

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO. 13906 LABORATORY Compuchem

SDG NO. BEB42 62 61 DATA USER FIT2

SOW 7/87 REVIEW COMPLETION DATE 6/29/90

NO. OF SAMPLES 29 WATER 18 SOIL ____ OTHER

REVIEWER [ ] ESD [ ] ESAT [X] OTHER, CONTRACT/CONTRACTOR FIT2

	VOA	BNA	PEST	OTHER
1. HOLDING TIMES	O	O	O	
2. GC-MS TUNE/ GC PERFORMANCE	O	O	O	
3. INITIAL CALIBRATIONS	O	O	O	
4. CONTINUING CALIBRATIONS	X	X	O	
5. FIELD BLANKS ("F" = not applicable)	X	O	O	
6. LABORATORY BLANKS	X	O	O	
7. SURROGATES	O	X	O	
8. MATRIX SPIKE/DUPLICATES	O	O	O	
9. REGIONAL QC ("F" = not applicable)	F	F	F	
10. INTERNAL STANDARDS	O	O		
11. COMPOUND IDENTIFICATION	O	O	X	
12. COMPOUND QUANTITATION	O	O	O	
13. SYSTEM PERFORMANCE	O	O	O	
14. OVERALL ASSESSMENT	X	X	X	

O = No problems or minor problems that do not affect data usability.
X = No more than *about* 5% of the data points are qualified as either estimated or unusable.
M = More than *about* 5% of the data points are qualified as estimated.
Z = More than *about* 5% of the data points are qualified as unusable.

DPO ACTION ITEMS:

AREAS OF CONCERN:

101635

EPA REGION II
SCANNING TRACKING SHEET

DOC ID # 36758

DOC TITLE/SUBJECT:

LOCKWOOD, KESSLER AND BARTLETT
ONE AERIAL WAY
PHOTO NUMBER 1738-7-871

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