

**OPERABLE UNIT 1
REMEDIAL ACTION REPORT**

**Sunnyside Yard
Queens, New York**

March 11, 1998
(Revised April 9, 1998)

Prepared for:

National Railroad Passenger Corporation
30th Street Station
4th Floor South
Philadelphia, Pennsylvania 19104

Prepared by:

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1.0 INTRODUCTION

The National Railroad Passenger Corporation (Amtrak) owns property known as Sunnyside Yard (Yard), located at 39-29 Honeywell Street in Queens County, a borough of New York City, New York (Figure 1). A portion of the Yard has been designated by Amtrak for construction of a new High Speed Trainset Facility (HSTF) Service and Inspection (S&I) Building and its ancillary structures (i.e., the access road and utilities route, the parking area, the construction easement area which surrounds the building, and the construction laydown area). The Sunnyside Yard is listed as a Class II Site in the New York State Department of Environmental Conservation's (NYSDEC) Registry of Inactive Hazardous Waste Disposal Sites. As a result of the listing for the entire Yard, Amtrak, New Jersey Transit Corporation (NJTC), and the NYSDEC entered into an Order on Consent (OOC) Index #W2-0081-87-06 effective October 1989.

In accordance with the OOC, several investigations have been performed at the Yard including, but not limited to, remedial investigations, feasibility studies, and a risk assessment. Each of these investigations was performed by Roux Associates, Inc. (Roux Associates), an affiliate of Remedial Engineering, P.C. As a result of these investigations, areas of the Yard were identified where levels of contamination require remedial efforts. With the NYSDEC's concurrence, to accommodate the HSTF S&I Building construction schedule and still address remedial efforts sitewide in a timely and orderly manner, the Yard has been subdivided into six operable units (Figure 2). The operable units are described as follows:

- Operable Unit 1 (OU-1) designated as the soil above the water table within the footprint of the proposed HSTF S&I Building;
- Operable Unit 2 (OU-2) designated as the soil above the water table within the footprint of the HSTF S&I Building ancillary structures (i.e., the access road and utilities route, the parking area, the construction easement area which surrounds the building, and the construction laydown area);
- Operable Unit 3 (OU-3) designated as the soil and separate-phase petroleum accumulation above the water table in Area 1 of the Yard, as defined in the Phase I Remedial Investigation (RI) report;
- Operable Unit 4 (OU-4) designated as the soil above the water table in the remainder of the Yard;
- Operable Unit 5 (OU-5) designated as the sewer system beneath the Yard; and

- Operable Unit 6 (OU-6) designated as the ground water including the saturated soil beneath the Yard.

Following the Operable Unit approach, a Feasibility Study (FS) was submitted for OU-1 (April 18, 1997) which involved the development and evaluation of alternatives to remediate carcinogenic polycyclic aromatic hydrocarbon (cPAH) impacted soil within OU-1.

A Proposed Remedial Action Plan (PRAP) was issued on June 9, 1997 to identify the preferred remedy for OU-1 as stated in the OU-1 FS, summarize other alternatives, and discuss the rationale for this preference. The PRAP was issued as a component of citizen participation activities. A public meeting was held on June 24, 1997 to explain the components of the PRAP and answer questions from the public. Following a public comment period, the Record of Decision (ROD) was issued on August 13, 1997, identifying OU-1 FS Alternative III - Asphalt and Concrete Removal, Soil Excavation, and Off-Site Disposal as the selected remedy for implementation. The OU-1 Remedial Design Report (Remedial Engineering, P.C., October 8, 1997) established the scope of work required to complete the selected remedy required in the ROD. The OU-1 Order on Consent, Index #W2-0081-97-06 was issued on February 9, 1998.

This document, the OU-1 Remedial Action Report, serves to summarize the activities performed to implement the NYSDEC-selected alternative to remediate the impacted soil above the water table within OU-1 (Drawing 1). The contents of this report describe the implementation of the OU-1 remedial action in accordance with the requirements of the approved OU-1 Remedial Design Report (which included Specifications, Drawings, a Health and Safety Plan, and a Contingency Plan). Additionally, NYSDEC correspondence containing comments regarding the initial submission of this document and Amtrak's response letter satisfying the OU-1 comments are included as Appendix A.

1.1 OU-1 Site Description and History

OU-1 is located in the northeastern portion of the Yard as shown in Figure 2. OU-1 measures approximately 790 feet in length and 60 feet in width, and is slightly over one acre in total area.

The topography of OU-1 is primarily level and gently slopes down from east to west along its length.

OU-1 and the surrounding Yard were originally owned and developed in the early 1900s by the Pennsylvania Tunnel and Terminal Company, a subsidiary of the Pennsylvania Railroad (later known as the Penn Central Transportation Company). On April 1, 1976, the Consolidated Rail Corporation (Conrail) acquired the Yard and the same day conveyed it to Amtrak. The Yard originally operated as a storage and maintenance facility for railroad rolling stock and currently functions primarily as a train maintenance and train makeup facility for electric locomotives and railroad cars for Amtrak and NJTC. OU-1 formerly housed an inspection pit/repair shed and a portion of a locomotive washer.

OU-1 operated as a portion of an active 105-acre rail yard and was formerly occupied by Wheel Tracks No. 1 and No. 2 and a portion of the Metroliner Shed and the No. 1 Engine House Track. Currently, the most readily apparent features of OU-1 are concrete and asphalt platforms, occasional concrete ruins, overhead electric catenary wires, and the ubiquitous presence of ballast. The railroad tracks and overhead electric catenary wires in the area to be excavated were removed by Amtrak prior to initiation of remediation activities.

OU-1 is located entirely within the boundaries of the Yard. Land use immediately adjacent to the Yard is almost exclusively mixed commercial and light industrial with surrounding residential areas located primarily to the south and east.

1.2 NYSDEC-Recommended Soil Cleanup Levels

Based on an evaluation of the Yard conditions, in a February 25, 1997 letter to Roux Associates, the NYSDEC and New York State Department of Health (NYSDOH) issued the following NYSDEC-recommended soil cleanup levels for the contaminants of concern at the Yard, including OU-1:

- Semivolatile organic compounds (SVOCs) - 10 parts per million (ppm) for both surface and subsurface soil for total cPAHs;
- Lead - 1,000 ppm for both surface and subsurface soil; and

- Polychlorinated biphenyls (PCBs) - 25 ppm for both surface and subsurface soil.

The letter further acknowledged that while certain metals were found in soil throughout the Yard above the NYSDEC's Recommended Soil Cleanup Objectives (RSCOs), none (with the exception of lead) were present at levels high enough to require any remediation. Additionally, the letter did not specify NYSDEC-recommended soil cleanup levels for volatile organic compounds (VOCs) since no VOCs were detected at the Yard above the RSCOs.

2.0 QUALITY ASSURANCE OBJECTIVES

Quality assurance objectives were established in the OU-1 Remedial Design Report to verify that all remediation activities were implemented in accordance with the Contract Documents (i.e., the Specifications, Drawings, Health and Safety Plan, and Contingency Plan), thus performing remediation in conformance with the remedy selected in the ROD. For the duration of construction, the quality assurance objectives were achieved, in part, with the provision of full-time oversight of the Contractor's work activities by Roux Associates/Remedial Engineering. The responsibilities of Roux Associates/Remedial Engineering included:

- observing and reviewing progress of the Contractor from mobilization activities through completion of the project;
- conducting daily meetings with the Contractor each morning prior to initiation of the day's work activities to discuss the work to be performed;
- verifying the Contractor's use of appropriate construction practices and construction materials;
- requiring the Contractor to conform with the requirements of the Contract Documents;
- reporting to Amtrak any necessary modifications to the OU-1 Remedial Design Report and formally conveying those modifications to the NYSDEC for approval; and
- following appropriate sampling and analytical methods and procedures throughout the duration of the remediation work.

Additional quality assurance measures consist of:

- certification by a New York State-registered Professional Engineer to identify that all remediation activities were conducted in accordance with the Contract Documents; and
- the requirement for the Contractor to guarantee all work performed, and materials supplied, for a period of at least one year after completion of construction.

3.0 HEALTH AND SAFETY MEASURES

During OU-1 remediation activities, a full-time Site Safety Officer was present to perform health and safety monitoring at the work site for employees of Amtrak and Roux Associates/Remedial Engineering. Additional duties of the Site Safety Officer included:

- observing equipment decontamination procedures;
- coordinating daily health and safety briefings with all OU-1 remediation personnel; and
- performing full-time work zone air monitoring using a photoionization detector and particulate meter.

During construction activities, Amtrak track safety procedures were followed which included protection provided by electric traction (ET) personnel and a track flagman. Although the overhead electric catenary lines were taken out of service in OU-1 during pre-construction activities, there was the potential for the excavator to come in contact with energized lines outside of OU-1, due to the extended reach of the machinery. The ET personnel were present to oversee activities near the overhead catenary lines, and if underground electrical cables were discovered in the excavation. A flagman was present throughout the duration of the project to warn of the approach of trains. This was an added safety precaution, as active tracks were within 25 feet of the work area.

All open excavations were surrounded with plastic safety fencing and caution tape in accordance with the Specifications. This precautionary procedure was followed to minimize the potential for injuries of OU-1 remediation personnel, as well as any Amtrak employees working in proximity to the excavation.

4.0 MODIFICATIONS TO THE OU-1 REMEDIAL DESIGN REPORT

During excavation activities, two concrete structures (i.e., inspection pits) were discovered that run east to west across the remediation area, each structure, including sidewalls, measuring approximately 14 feet wide by 70 feet long and up to four feet deep (Figure 3). Although it was anticipated that these inspection pits were present, it was not anticipated that they would be as large as they were. In addition, two unanticipated structures (i.e., drop table pits) were encountered that run in the north-south direction, each intersected by one of the inspection pits. Both of the drop table pits measure approximately 30 feet long by five feet wide by seven feet deep. All four of these structures were found to contain soil, fill material, and debris and material in all four were excavated in accordance with the Specifications and as described in Section 5.3. Profiles of the excavation area including the depths of the inspection and drop table pits are shown in Figure 3. The surveyed final depths of the excavation are shown on Drawing 1.

As indicated in Section 2.4 of the OU-1 Remedial Design Report, any subsurface concrete encountered during excavation activities was to be removed and staged prior to off-site disposal. However, due to the large size of the structures, Roux Associates/Remedial Engineering, P.C. requested in a letter to the NYSDEC dated December 18, 1997 (Appendix B), to leave these structures in place. This request was supported by the fact that the structures were found to be structurally intact (i.e., a barrier to downward migration of contaminants, if present) with no visible staining or other signs of contamination. The NYSDEC approved this request verbally with the provision that the concrete be sampled for the contaminants of concern at the Yard. Roux Associates/Remedial Engineering, P.C. formalized the concrete sampling protocol in a December 19, 1997 letter to the NYSDEC (Appendix C). Details pertaining to concrete sampling and analysis are discussed further in Section 5.6 of this report.

5.0 SUMMARY OF REMEDIATION ACTIVITIES

The following activities were performed as part of the OU-1 remediation, and are discussed in the sections below:

- pre-construction/mobilization activities;
- asphalt and concrete removal;
- soil excavation;
- preparation and use of staging areas and temporary storage tanks;
- post-excavation soil sampling;
- post-excavation concrete sampling;
- disposal; and
- project closeout.

5.1 Pre-Construction/Mobilization Activities

Prior to OU-1 remediation activities, two active railroad tracks (Wheel Tracks No. 1 and No. 2) were present on the surface of OU-1. These tracks, which include rails, ties and ballast, were taken out of service and the rails and ties in the work area were removed by Amtrak personnel prior to Contractor mobilization. In addition to track work, catenary lines were also taken out of service in OU-1 and removed in the work area. Following removal of the tracks and catenary lines, Topo-Metrics, Inc. of Hauppauge, New York, a licensed land surveyor, was contracted to mark out the limits of the excavation area based on information in the OU-1 Remedial Design Report. These markers were used as the corners of the limit of excavation for the Contractor during concrete and asphalt removal, as well as soil excavation activities.

Once the above pre-construction activities were complete, mobilization of the Contractor's work force and equipment commenced. The earthwork equipment consisted of an excavator, 10-wheel dump truck, truck mounted pneumatic hoe-ram hammer, backhoe, and a front-end loader.

5.2 Asphalt and Concrete Removal

Following Contractor mobilization activities, all surface asphalt and concrete within the OU-1 remediation area was removed. Approximately two to three inches of asphalt, and eight to 12 inches of surface concrete were present. The asphalt was sawcut to the surveyed excavation limits, however, due to the thickness of the concrete, sawcutting could not be used to break up the material. As a result, the pneumatic hoe-ram hammer was used for the remaining concrete demolition. The demolished materials were removed using the excavator and front-end loader, and staged in a lined stockpile area prior to off-site disposal at a recycling facility. A total of 280 cubic yards of asphalt and concrete were removed from OU-1.

5.3 Soil Excavation

Following asphalt and concrete removal, the underlying soil was exposed. In addition to the soil, fill material and debris were also present in the excavation area. In accordance with the OU-1 Remedial Design Report, the vertical extent of the excavation (approximately 3 feet below land surface) extended to the water table, and did not include saturated soil. In addition, the intent of the remediation was to remove any visibly-contaminated soil even if it extended below the water table. However, visibly contaminated soil was not encountered during the remediation.

As noted in Section 4.0, during excavation, two subsurface concrete inspection pits were uncovered. Most of the material within these structures was removed using the excavator, however, Contractor personnel used shovels to remove all remaining soil, and the exposed concrete surfaces were broom-cleaned of any adhered soil.

Soil, fill material and debris were also encountered in the drop table pits to a depth of approximately eight feet below land surface (bls). The excavator and backhoe were able to remove the majority of this material. Contractor personnel with confined space entry training entered the drop table pits and removed the remaining material with shovels.

Electrical cables and conduits were found in the subsurface across the entire OU-1 remediation area. These cables were tested by Amtrak ET personnel, and deemed to be inactive. As directed by Amtrak's personnel and in accordance with their requirements, all electrical cables in the

excavation area were removed. The cables were segregated and staged for disposal along with the excavated soil and debris.

In areas outside of the inspection and drop table pits, soil was removed to a depth of approximately 3 feet bls. All final excavation depths are shown in Drawing 1. Approximately 472 tons of soil, fill material and debris were excavated and disposed as described in Section 5.7.

Liquid encountered in the drop table pits during soil excavation activities was pumped, discharged to a temporary tank and stored prior to sampling and disposal.

5.4 Preparation and Use of Staging Areas and Temporary Storage Tanks

A total of four staging areas were constructed for excavated soil and related debris. In each of the four soil staging areas, berms were formed on three sides, and the soil piles were sloped so any liquids leaching from the soil would collect within the bermed area. The berms were formed by mounding clean fill material on three sides on a layer of polyethylene sheeting. Another layer of sheeting was then placed over the fill, and a depression was formed where soil was placed. The soil staging areas were covered daily with a layer of polyethylene sheeting to prevent precipitation from entering the soil piles. The berms were used as a control when the front-end loader emptied the soil onto the staging areas and to prevent runoff in the event of precipitation. The asphalt and concrete was staged separately from the soil, on a layer of polyethylene sheeting in a fifth staging area.

A total of 2,450 gallons of liquid was pumped from the drop table pits and transferred to a 20,000-gallon storage tank located west of OU-1. This tank is used by Amtrak for other Yard operations besides work in OU-1, and will remain at the Yard. A liquid disposal characterization sample was collected on January 29, 1998. Analytical results for this sample have been included in Table 1 and the data package is included as Appendix D. The liquid was sampled for PCBs, RCRA characteristics (i.e., ignitability, corrosivity, reactivity), and total organic halogens. As shown in Table 1, the materials are not considered hazardous.

5.5 Post-Excavation Soil Sampling

Upon completion of all soil excavation activities, post-excavation soil sampling was performed to determine if further excavation, beyond the limits determined in the OU-1 Remedial Design Report, was necessary. Samples were collected from each side wall and bottom of the excavated area in accordance with the procedures presented in the OU-1 Remedial Design Report. The samples were analyzed by Industrial Corrosion Management, Inc. Laboratory (ICM) of Randolph, New Jersey, a New York State-certified laboratory. The post-excavation soil analysis was performed in accordance with NYSDEC 1995 Analytical Services Protocol (ASP) Method 95-2 and confirmed that all contaminated soil with total cPAH concentrations greater than 10 ppm was removed.

For soil sampling purposes, the excavated area was divided into north and south regions based upon the location of the inspection pits. Two composite soil samples were collected from the bottom of the excavation (i.e., B.W. and N.B.). Additionally, one composite soil sample was collected from each of the four sidewalls (i.e., N.W., S.W., E.W., W.W.) for a total of six composite post-excavation composite soil samples (Figure 4). Analytical results from the post-excavation sampling activities were provided by the laboratory in 48-hour turnaround time so that activities could proceed should additional excavation be warranted. The analytical results of the post-excavation soil samples indicated that concentrations of cPAHs ranged from not detected in the north sidewall sample to 4.72 ppm (i.e., 4,720 micrograms per kilogram) in the west sidewall sample, which are well below the NYSDEC-recommended soil cleanup level for OU-1. The analytical results are presented in Table 2 and the data package for all soil samples is included as Appendix E.

5.6 Post-Excavation Concrete Sampling

In accordance with the concrete sampling protocol contained in the December 19, 1997 correspondence to the NYSDEC from Remedial Engineering P.C. (Appendix C), and verbal approval by Mr. Hari Agrawal, P.E. of NYSDEC to Mr. Joseph Duminuco of Roux Associates on December 22, 1997, concrete chip sample composites were collected at 10-foot intervals along each of the inspection pits. Each composite sample consisted of material from each of the seven exposed concrete faces of the inspection pits. A total of seven composite samples were collected

along each inspection pit. One of the seven sample locations from each inspection pit coincided with the location of a drop table pit and, therefore, a composite sample was collected across each drop table pit also. One duplicate sample was collected for quality control purposes, resulting in a total of fifteen composite concrete samples (Figure 4).

Preliminary analytical results indicated an elevated PCB concentration in composite sample C-11. Therefore, the NYSDEC requested that each of the seven locations which comprised composite sample C-11 be resampled as discrete chip samples and analyzed for PCBs.

The concrete samples were analyzed for one or more of the following: cPAHs using ASP 95-2; PCBs using ASP 95-3, and lead using the United States Environmental Protection Agency Contract Laboratory Statement of Work. Analytical results of the post-excavation concrete sampling (including the discrete concrete chip samples at C-11) indicate that none of the samples exceed their respective NYSDEC-recommended cleanup level for the contaminants of concern and, therefore, the concrete was left in place. The analytical results are presented in Table 3 and the data package for all concrete samples is included as Appendix F.

5.7 Disposal

Prior to disposal of the excavated soil, disposal characterization sampling was performed in accordance with requirements of the disposal facility. Composite samples were collected from the soil stockpiles. These samples were analyzed for cadmium, chromium, and lead using the toxicity characteristic leaching procedure, PCBs, and oil and grease. Analytical results for the soil disposal sampling activities are shown in Table 4, and the data package is included as Appendix G.

The soil was disposed at G.R.O.W.S., Inc. (Waste Management of Pennsylvania), an Amtrak-approved Resource Conservation and Recovery Act (RCRA) Subtitle D (non-hazardous) disposal facility located in Morrisville, Pennsylvania. Approximately 472 tons of soil and debris were disposed. Soil disposal manifests are included as Appendix H.

The surface asphalt and concrete was hauled to Waste Management of New York, an Amtrak-approved facility located in Queens, New York for recycling. A total of 280 cubic yards of asphalt and concrete was disposed. Disposal records are included as Appendix I.

The liquid encountered in the drop table pits was disposed at Lancaster Oil, an Amtrak-approved facility located in Lancaster, Pennsylvania. A total of 2,450 gallons was disposed. Disposal records are included as Appendix J.

5.8 Project Closeout

Following completion of the remedial activities, the excavated area was resurveyed to determine final excavation depths and the limits of the remaining concrete structures (i.e., inspection and drop table pits). This survey is included as Appendix K. Roux Associates/Remedial Engineering staff prepared a punch list of outstanding items for the Contractor and once the work was completed a final inspection was performed. The final inspection of the remediated area of OU-1 was performed by a New York State-registered Professional Engineer to verify that the remediation had been completed in accordance with the OU-1 Remedial Design Report.

6.0 ANALYTICAL DATA QUALITY AND USABILITY

An evaluation of the analytical data was performed to determine the overall quality and usability of the confirmatory sample results for OU-1 generated by ICM. Fifteen composite concrete chip samples (including one duplicate), seven discrete concrete chip samples, six composite post-excavation soil samples, and six composite soil stockpile samples were collected by Roux Associates/Remedial Engineering. The soil stockpile sample results were not included as part of this data quality and usability assessment, as these samples were analyzed for disposal characterization only and the data packages were not intended for validation. The data quality and usability evaluation is included in Appendix L.

7.0 AS-BUILT DOCUMENTATION

In accordance with the OU-1 Remedial Design Report, Drawing 1 has been included as an as-built drawing. It shows the final condition of the OU-1 excavation in light of the changes to the remedial design which resulted from the discovery of the concrete trenches that were unknown at the time of the OU-1 Remedial Design Report submission. The drawing also includes final surveyed concrete and soil elevations within the excavation.

8.0 ENGINEER'S CERTIFICATION

Remedial Engineering, P.C. has completed this engineering report describing implementation of the remedy within OU-1 at the Amtrak Sunnyside Yard located at 39-29 Honeywell Street in Queens County, New York described in the ROD as Alternative III - Asphalt and Concrete Removal, Soil Excavation, and Off-Site Disposal. This engineering certification is being submitted to the NYSDEC, and Remedial Engineering, P.C. hereby certifies that the OU-1 Remedial Design was implemented, and construction activities were substantially completed in accordance with the intent of the NYSDEC-approved OU-1 Remedial Design Report dated October 8, 1997, and as described in this document.

Respectfully Submitted,

ROUX ASSOCIATES, INC.

Joseph D. Duminuco

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Principal Hydrogeologist

REMEDIAL ENGINEERING, P.C.

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April 9, 1998

**Richard Gardineer, P.E.
Regional Hazardous Waste Remediation Engineer
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Division of Environmental Remediation - Region 2
47-40 21st Street
Long Island City, New York 11101**

**Re: Revised Final Report Titled, "Operable Unit 1 Remedial Action Report"
Sunnyside Yard, Queens, New York"**

Dear Mr. Gardineer:

Enclosed please find one copy of the above-referenced document for your approval. This revised report addresses the NYSDEC comments of March 31, 1998 that pertain to work in Operable Unit 1 (OU-1). While requested by the NYSDEC but not related to the remedial action required for OU-1, an investigation of the portion of Amtrak's sewer system which passes beneath OU-1 and the adjacent saturated soil has been completed. The preliminary data which indicates concentrations of the contaminants of concern at the Yard ranging from not detected to well below the NYSDEC-recommended cleanup levels for soil, have been submitted to the NYSDEC. Following completion of required quality assurance/quality control review by the laboratory, a final data package will be issued and then validated to determine the usability of the data. At that time, an investigative report for this sewer and the saturated soil around the sewer (which are part of Operable Units 5 and 6) will be prepared and submitted to the NYSDEC for review.

With regard to the strict High Speed Trainset schedule for OU-1, we appreciate your prompt attention to the review of this document.

Richard Gardineer, P.E.

April 9, 1998

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If you have any questions or if I can provide further assistance, please do not hesitate to call.

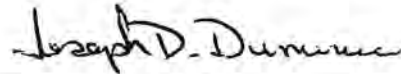
Sincerely,

REMEDIAL ENGINEERING, P.C.



Peter J. Gerbasi, P.E.
Principal Engineer

ROUX ASSOCIATES, INC.



Joseph D. Duminuco
Principal Hydrogeologist

Attachment

cc: H. Agrawal, P.E., NYSDEC
S. Ervolina, NYSDEC
R. Rusinko, Esq., NYSDEC
S. Bates, NYSDOH
I. Oncu, P.E., Amtrak
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J. Roberts, Esq., Amtrak
R. Mohlenhoff, P.E., Amtrak
S. Jurow, New Jersey Transit
C. Warren, Esq., Robinson, Silverman, et al.
C. Rosenthal, Esq., Kalkines, Arky, Zall & Bernstein

Table 1. Summary of Liquid Disposal Sampling Analytical Results at OU-1, Sunnyside Yard, Queens, New York.

| | |
|----------------------------|----------------|
| Sample Designation: | W-1 |
| Sample Date: | 1/29/98 |

| | |
|--|------------|
| <u>PCB Results (µg/L)</u> | |
| Aroclor-1016 | 2.0 U |
| Aroclor-1221 | 4.0 U |
| Aroclor-1232 | 2.0 U |
| Aroclor-1242 | 2.0 U |
| Aroclor-1248 | 2.0 U |
| Aroclor-1254 | 2.0 U |
| Aroclor-1260 | 2.0 U |
| <u>General Chemistry (mg/L)</u> | |
| Total Organic Halogen | 0.416 |
| Reactivity - Cyanide | 0.25 U |
| Reactivity - Sulfide | 25 U |
| Corrosivity (pH Units) | 8.06 |
| Ignitability (degrees C) | 100 boiled |

µg/L - Micrograms per liter

mg/L - Milligrams per liter

U - Compound was analyzed for but not detected

Table 2. Summary of Post-Excavation Soil Sampling Analytical Results at OU-1, Sunnyside Yard, Queens, New York.

| Sample Designation: | | N.W. | S.W. | E.W. | W.W. | B.W. | N.B. |
|--|--|----------|--------------|--------------|----------------|-------------|-------------|
| Sample Date: | | 12/22/97 | 12/19/97 | 12/22/97 | 12/22/97 | 12/19/97 | 12/22/97 |
| Parameter | NYSDEC Recommended (Concentrations in µg/kg) Cleanup Level | | | | | | |
| Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) (µg/kg) | | | | | | | |
| Benzo(a)anthracene | -- | 350 U | 79 J | 31 J | 960 | 18 J | 20 J |
| Benzo(a)pyrene | -- | 350 U | 45 J | 390 U | 790 | 350 U | 370 U |
| Benzo(b)fluoranthene | -- | 350 U | 110 J | 100 J | 1600 | 28 J | 40 J |
| Benzo(k)fluoranthene | -- | 350 U | 360 U | 390 U | 360 U | 350 U | 370 U |
| Chrysene | -- | 350 U | 70 J | 38 J | 840 | 350 U | 20 J |
| Dibenzo(a,h)anthracene | -- | 350 U | 360 U | 20 J | 170 J | 350 U | 370 U |
| Indeno(1,2,3-cd)pyrene | -- | 350 U | 32 J | 39 J | 360 J | 350 U | 370 U |
| Total cPAHs | 10,000 | 0 | 336 J | 228 J | 4,720 J | 46 J | 80 J |

µg/kg - Micrograms per kilogram

U - Compound was analyzed for but not detected

J - Estimated value

Bold - Detections of cPAHs are shown in bold

Table 3. Summary of Post-Excavation Concrete Sampling Analytical Results at OU-1, Sunnyside Yard, Queens, New York.

| Sample Designation: Sample Date: | | C-1 12/19/97 | C-1DUP 12/19/97 | C-2 12/19/97 | C-3 12/19/97 | C-4 12/19/97 |
|--|--------|-----------------|--------------------|-----------------|-----------------|-----------------|
| NYSDEC Recommended Cleanup Level | | | | | | |
| PCBs (µg/kg) | | | | | | |
| Aroclor-1016 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1221 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1232 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1242 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1248 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1254 | -- | 70 | 55 | 33 U | 33 U | 33 U |
| Aroclor-1260 | -- | 140 | 140 | 91 | 33 U | 33 U |
| Total Aroclors | 25,000 | 210 | 195 | 91 | 0 | 0 |
| Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) (µg/kg) | | | | | | |
| Benzo(a)anthracene | -- | 38 J | 98 J | 91 J | 330 U | 330 U |
| Benzo(a)pyrene | -- | 38 J | 110 J | 55 J | 330 U | 330 U |
| Benzo(b)fluoranthene | -- | 88 J | 240 J | 150 J | 36 J | 19 J |
| Benzo(k)fluoranthene | -- | 330 U | 48 J | 330 U | 330 U | 330 U |
| Chrysene | -- | 45 J | 110 J | 85 J | 330 U | 330 U |
| Dibenzo(a,h)anthracene | -- | 330 U | 23 J | 330 U | 330 U | 330 U |
| Indeno(1,2,3-cd)pyrene | -- | 17 J | 55 J | 22 J | 330 U | 330 U |
| Total cPAHs | 10,000 | 226 J | 684 J | 403 J | 36 J | 19 J |
| Lead (mg/kg) | | 14.6 | 27.8 | 49 | 17 | 12 |

µg/kg - Micrograms per kilogram

mg/kg - Milligrams per kilogram

U - Compound was analyzed for but not detected

J - Estimated value

D - Sample diluted

Bold - Detections of cPAHs and PCBs are shown in bold

Table 3. Summary of Post-Excavation Concrete Sampling Analytical Results at OU-1, Sunnyside Yard, Queens, New York.

| Sample Designation: Sample Date: | | C-5 12/19/97 | C-6 12/19/97 | C-7 12/19/97 | C-8 12/19/97 | C-9 12/19/97 |
|--|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| NYSDEC Recommended Cleanup Level | | | | | | |
| PCBs (µg/kg) | | | | | | |
| Aroclor-1016 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1221 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1232 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1242 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1248 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1254 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1260 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Total Aroclors | 25,000 | 0 | 0 | 0 | 0 | 0 |
| Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) (µg/kg) | | | | | | |
| Benzo(a)anthracene | -- | 330 U | 59 J | 440 | 72 J | 77 J |
| Benzo(a)pyrene | -- | 330 U | 41 J | 170 J | 77 J | 22 J |
| Benzo(b)fluoranthene | -- | 330 U | 100 J | 470 | 170 J | 290 J |
| Benzo(k)fluoranthene | -- | 330 U | 330 U | 330 U | 330 U | 330 U |
| Chrysene | -- | 330 U | 56 J | 340 | 80 J | 120 J |
| Dibenzo(a,h)anthracene | -- | 330 U | 330 U | 27 J | 330 U | 18 J |
| Indeno(1,2,3-cd)pyrene | -- | 330 U | 330 U | 50 J | 31 J | 39 J |
| Total cPAHs | 10,000 | 0 | 256 J | 1,497 J | 430 J | 566 J |
| Lead (mg/kg) | | 7 | 11 | 10.8 | 16.1 | 50 |

µg/kg - Micrograms per kilogram

mg/kg - Milligrams per kilogram

U - Compound was analyzed for but not detected

J - Estimated value

D - Sample diluted

Bold - Detections of cPAHS and PCBs are shown in bold

Table 3. Summary of Post-Excavation Concrete Sampling Analytical Results at OU-1, Sunnyside Yard, Queens, New York.

| Sample Designation: Sample Date: | | C-10 12/19/97 | C-11 12/19/97 | C-11A 3/16/98 | C-11B 3/16/98 | C-11C 3/16/98 |
|--|--------|------------------|------------------|------------------|------------------|------------------|
| NYSDEC Recommended Cleanup Level | | | | | | |
| PCBs (µg/kg) | | | | | | |
| Aroclor-1016 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1221 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1232 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1242 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1248 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1254 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1260 | -- | 33 U | 13000 DJ | 33 U | 33 U | 33 U |
| Total Aroclors | 25,000 | 0 | 13,000 DJ | 0 | 0 | 0 |
| Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) (µg/kg) | | | | | | |
| Benzo(a)anthracene | -- | 20 J | 180 J | NA | NA | NA |
| Benzo(a)pyrene | -- | 15 J | 55 J | NA | NA | NA |
| Benzo(b)fluoranthene | -- | 33 J | 380 | NA | NA | NA |
| Benzo(k)fluoranthene | -- | 330 U | 330 U | NA | NA | NA |
| Chrysene | -- | 21 J | 210 J | NA | NA | NA |
| Dibenzo(a,h)anthracene | -- | 330 U | 43 J | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | -- | 330 U | 88 J | NA | NA | NA |
| Total cPAHs | 10,000 | 89 J | 956 J | 0 | 0 | 0 |
| Lead (mg/kg) | | 8 | 29 | NA | NA | NA |

µg/kg - Micrograms per kilogram

mg/kg - Milligrams per kilogram

U - Compound was analyzed for but not detected

J - Estimated value

D - Sample diluted

Bold - Detections of cPAHS and PCBs are shown in bold

Table 3. Summary of Post-Excavation Concrete Sampling Analytical Results at OU-1, Sunnyside Yard, Queens, New York.

| Sample Designation: Sample Date: | | C-11D 3/16/98 | C-11E 3/16/98 | C-11F 3/16/98 | C-11G 3/16/98 | C-12 12/19/97 |
|--|--------|------------------|------------------|------------------|------------------|------------------|
| NYSDEC Recommended Cleanup Level | | | | | | |
| PCBs (µg/kg) | | | | | | |
| Aroclor-1016 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1221 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1232 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1242 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1248 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1254 | -- | 33 U | 33 U | 33 U | 33 U | 33 U |
| Aroclor-1260 | -- | 69 | 54 | 33 U | 33 U | 99 |
| Total Aroclors | 25,000 | 69 | 54 | 0 | 0 | 99 |
| Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) (µg/kg) | | | | | | |
| Benzo(a)anthracene | -- | NA | NA | NA | NA | 89 J |
| Benzo(a)pyrene | -- | NA | NA | NA | NA | 84 J |
| Benzo(b)fluoranthene | -- | NA | NA | NA | NA | 170 J |
| Benzo(k)fluoranthene | -- | NA | NA | NA | NA | 330 U |
| Chrysene | -- | NA | NA | NA | NA | 86 J |
| Dibenzo(a,h)anthracene | -- | NA | NA | NA | NA | 23 J |
| Indeno(1,2,3-cd)pyrene | -- | NA | NA | NA | NA | 65 J |
| Total cPAHs | 10,000 | 0 | 0 | 0 | 0 | 517 J |
| Lead (mg/kg) | | NA | NA | NA | NA | 57 |

µg/kg - Micrograms per kilogram

mg/kg - Milligrams per kilogram

U - Compound was analyzed for but not detected

J - Estimated value

D - Sample diluted

Bold - Detections of cPAHs and PCBs are shown in bold

Table 3. Summary of Post-Excavation Concrete Sampling Analytical Results at OU-1, Sunnyside Yard, Queens, New York.

| Sample Designation: | | C-13 | C-14 |
|--|--------|--------------|----------------|
| Sample Date: | | 12/19/97 | 12/19/97 |
| NYSDEC Recommended Cleanup Level | | | |
| <hr/> | | | |
| PCBs (µg/kg) | | | |
| Aroclor-1016 | -- | 33 U | 33 U |
| Aroclor-1221 | -- | 33 U | 33 U |
| Aroclor-1232 | -- | 33 U | 33 U |
| Aroclor-1242 | -- | 33 U | 33 U |
| Aroclor-1248 | -- | 33 U | 33 U |
| Aroclor-1254 | -- | 33 U | 33 U |
| Aroclor-1260 | -- | 33 U | 33 U |
| Total Aroclors | 25,000 | 0 | 0 |
| Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) (µg/kg) | | | |
| Benzo(a)anthracene | -- | 160 J | 410 |
| Benzo(a)pyrene | -- | 44 J | 160 J |
| Benzo(b)fluoranthene | -- | 310 J | 500 |
| Benzo(k)fluoranthene | -- | 330 U | 330 U |
| Chrysene | -- | 160 J | 300 J |
| Dibenzo(a,h)anthracene | -- | 27 J | 330 U |
| Indeno(1,2,3-cd)pyrene | -- | 59 J | 72 J |
| Total cPAHs | 10,000 | 760 J | 1,442 J |
| Lead (mg/kg) | | 195 | 10.9 |

µg/kg - Micrograms per kilogram

mg/kg - Milligrams per kilogram

U - Compound was analyzed for but not detected

J - Estimated value

D - Sample diluted

Bold - Detections of cPAHs and PCBs are shown in bold

Table 4. Summary of Disposal Sampling Analytical Results of Excavated Soil at OU-1, Sunnyside Yard, Queens, New York.

| Sample Designation: | | SP-1 | SP-2 | SP-(1-2) | SP-3 | SP-4 | SP-(3-4) |
|--|--------|----------|----------|----------|----------|----------|----------|
| Sample Date: | | 12/19/97 | 12/19/97 | 12/19/97 | 12/22/97 | 12/22/97 | 12/22/97 |
| NYSDEC - Recommended Cleanup Level | | | | | | | |
| PCB Results (µg/kg) | | | | | | | |
| Aroclor-1016 | -- | 150 U | 27 U | NA | 200 U | 18 U | NA |
| Aroclor-1221 | -- | 420 U | 75 U | NA | 580 U | 50 U | NA |
| Aroclor-1232 | -- | 240 U | 43 U | NA | 330 U | 29 U | NA |
| Aroclor-1242 | -- | 150 U | 27 U | NA | 200 U | 18 U | NA |
| Aroclor-1248 | -- | 180 U | 32 U | NA | 250 U | 22 U | NA |
| Aroclor-1254 | -- | 210 U | 38 U | NA | 290 U | 25 U | NA |
| Aroclor-1260 | -- | 4,900 | 950 | NA | 4,400 U | 24 J | NA |
| Total Aroclors | 25,000 | 4,900 | 950 | 0 | 0 | 24 J | 0 |
| Toxicity Characteristic Leaching Procedure Leachate Analysis (mg/L) | | | | | | | |
| Cadmium | | NA | NA | 0.081 | NA | NA | 0.068 |
| Chromium | | NA | NA | 0.022 | NA | NA | 0.010 U |
| Lead | | NA | NA | 0.388 | NA | NA | 2.18 |
| Oil & Grease (mg/kg) | | NA | NA | 1,700 | NA | NA | 3,840 |

µg/kg - Micrograms per kilogram

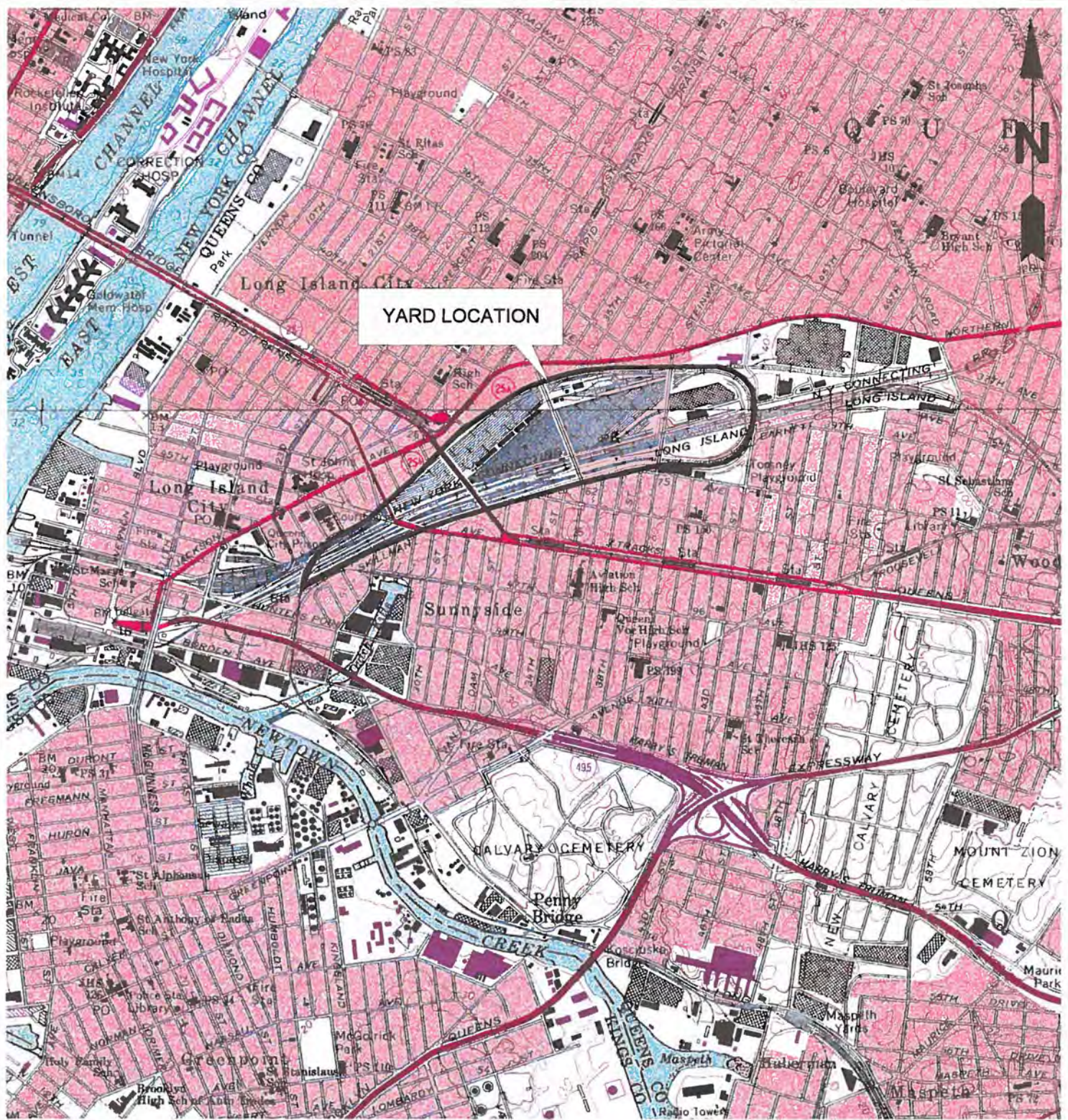
mg/kg - Milligrams per kilogram

mg/L - Milligrams per liter

U - Compound was analyzed for but not detected

J - Estimated value

NA - Not analyzed



SOURCE:
CENTRAL PARK AND BROOKLYN, NEW YORK
QUADRANGLE 7.5 MINUTE SERIES (TOPOGRAPHIC)

NEW YORK

QUADRANGLE
LOCATION

Title

YARD LOCATION MAP

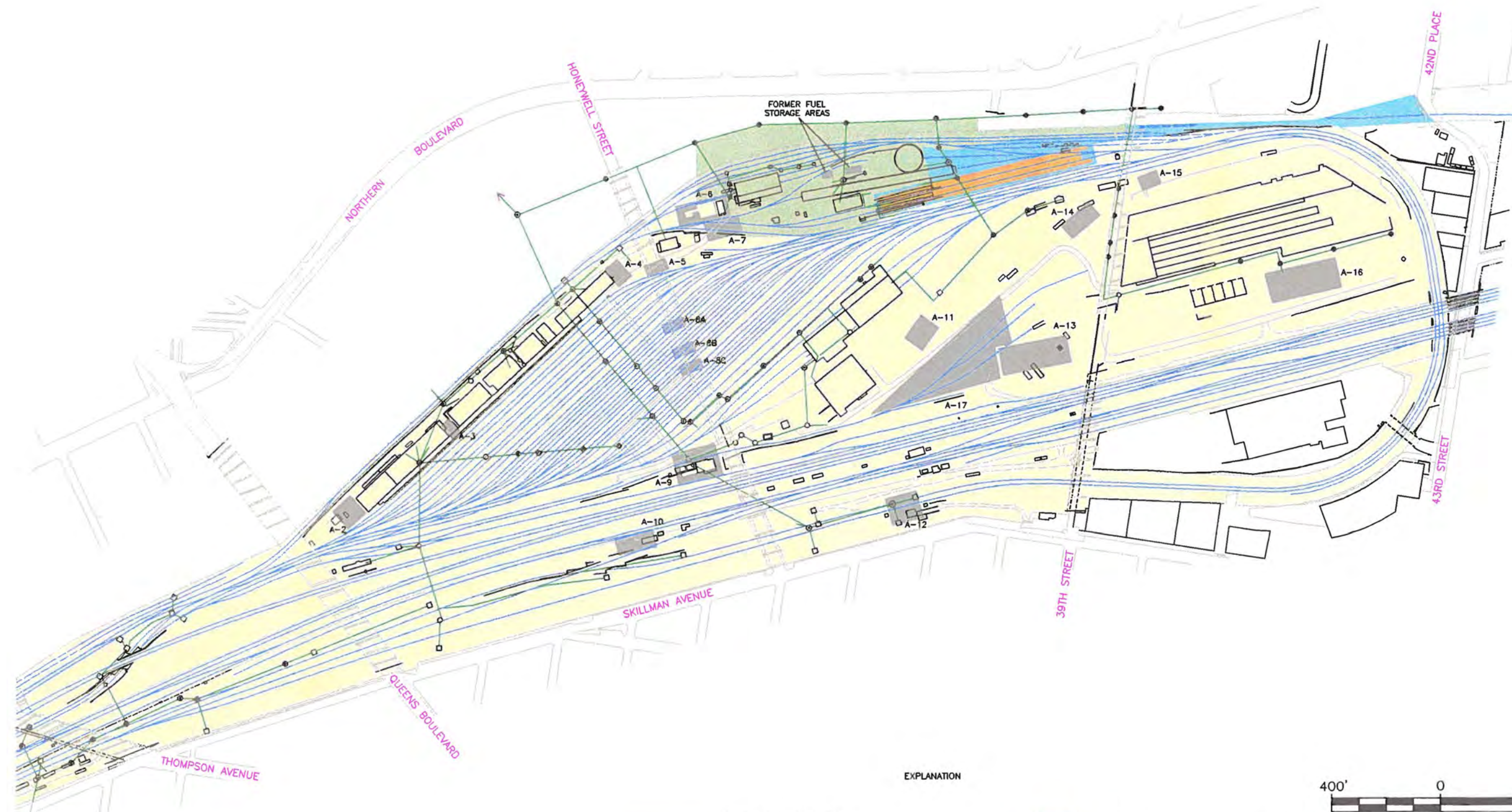
SUNNYSIDE YARD
39-29 HONEYWELL STREET
QUEENS, NEW YORK

Prepared For

AMTRAK

ROUX
ROUX ASSOCIATES INC
Environmental Consulting
& Management

| | | | | |
|-------------|----------|---------|-----------|-----------------|
| Compiled by | J.D. | Date | 9/97 | FIGURE 1 |
| Prepared by | R.R. | Scale | 1"=2,000' | |
| Project Mgr | J.D. | Status | Final | |
| File No | A5214005 | Project | 05552E05 | |

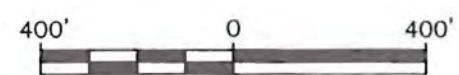


EXPLANATION

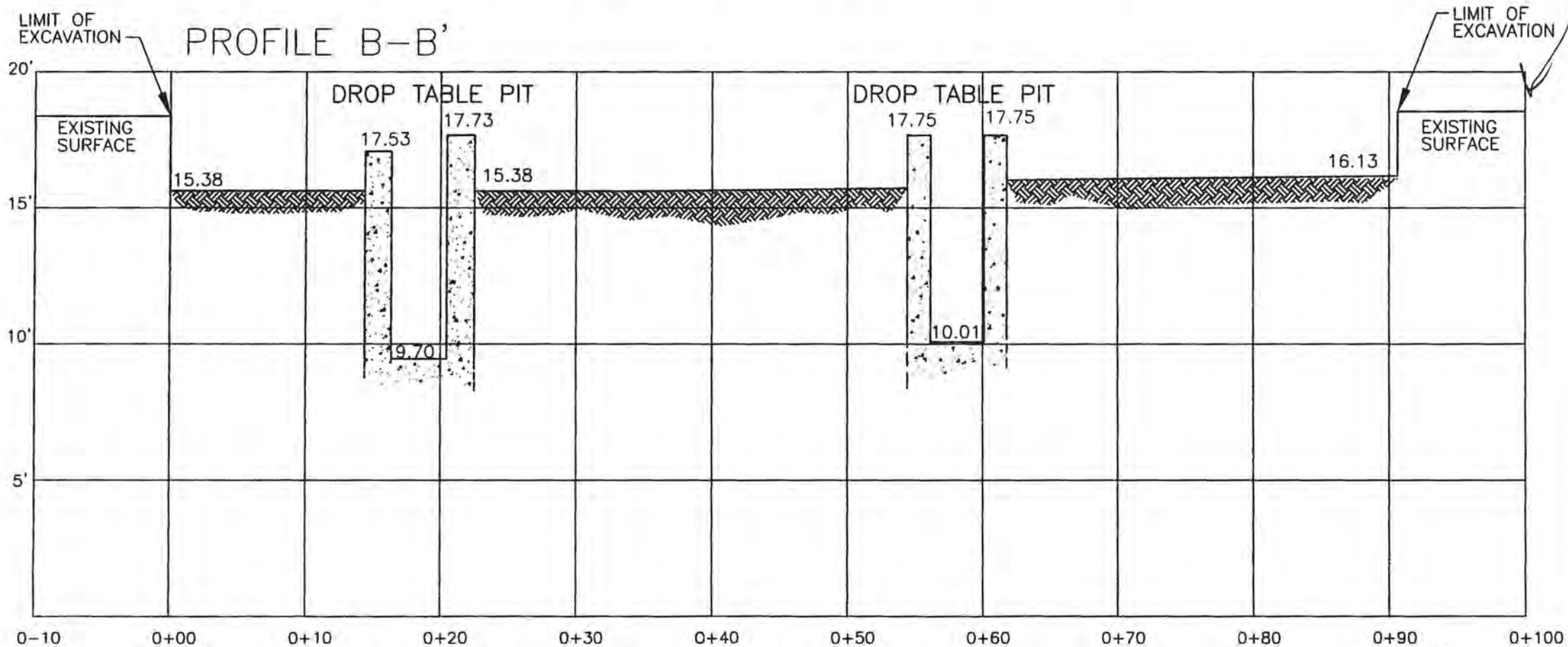
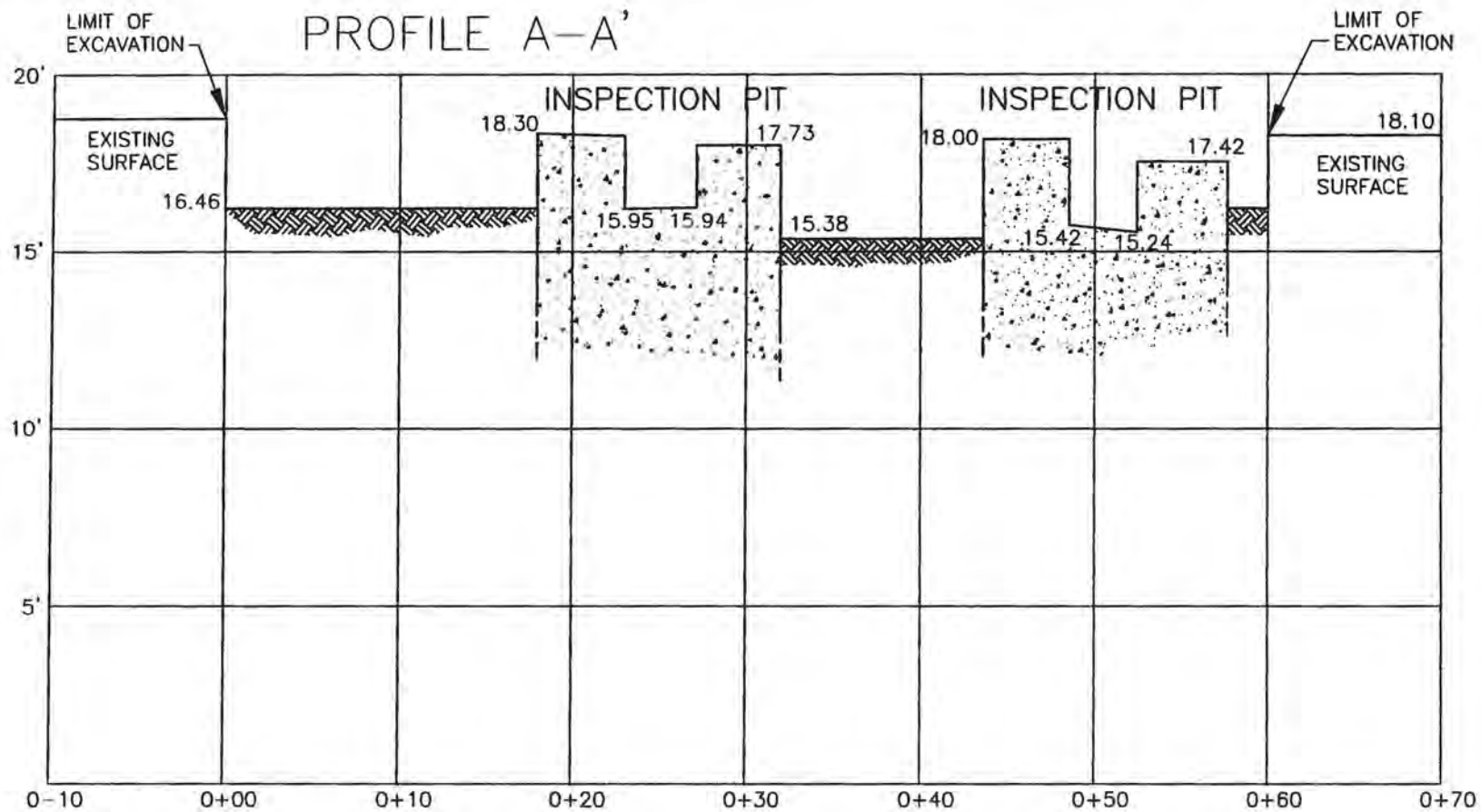
- LOCATION OF RAILROAD TRACK
- DIRECTION OF SEWER FLOW
- APPROXIMATE LOCATION OF SEWER
- GRATE COVER CATCH BASIN LOCATION
- SOLID COVER MANHOLE LOCATION
- GRATE COVER MANHOLE LOCATION
- A-2 LOCATION AND DESIGNATION OF PREVIOUSLY DETERMINED AREA OF CONCERN
- APPROXIMATE PROPERTY BOUNDARY

- OU-1
- OU-2
- OU-3
- OU-4
- OU-5

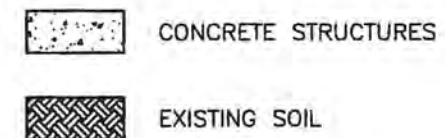
- NOTES:
1. LOCATIONS AND DIAMETERS OF SEWER COMPONENTS BASED UPON A REVIEW OF AMTRAK-SUPPLIED ENGINEERING DIAGRAMMS AND LIMITED FIELD SURVEY.
 2. OU-6, GROUND WATER BENEATH THE YARD, IS NOT SHOWN.



| | | | |
|--|-------------------|-------------------|-----------------|
| Title: | | | |
| LOCATION OF OPERABLE UNITS | | | |
| SUNNYSIDE YARD, QUEENS, NEW YORK | | | |
| Prepared For: AMTRAK | | | |
| ROUX ROUX ASSOCIATES INC Environmental Consulting & Management | Compiled by: H.G. | Date: 4/97 | FIGURE 2 |
| | Prepared by: R.K. | Scale: AS SHOWN | |
| | Project Mgr: H.G. | Status: FINAL | |
| | File No: 52119005 | Project: 05552Y03 | |



LEGEND



NOTE:

1. LOCATION OF EXCAVATION PROFILES ARE REPRESENTED ON DRAWING 1.
2. EXCAVATION DEPTHS BASED ON SURVEY PREPARED BY TOPO-METRICS, INC.

Title:

EXCAVATION DEPTHS

SUNNYSIDE YARD, QUEENS, NEW YORK

Prepared For:

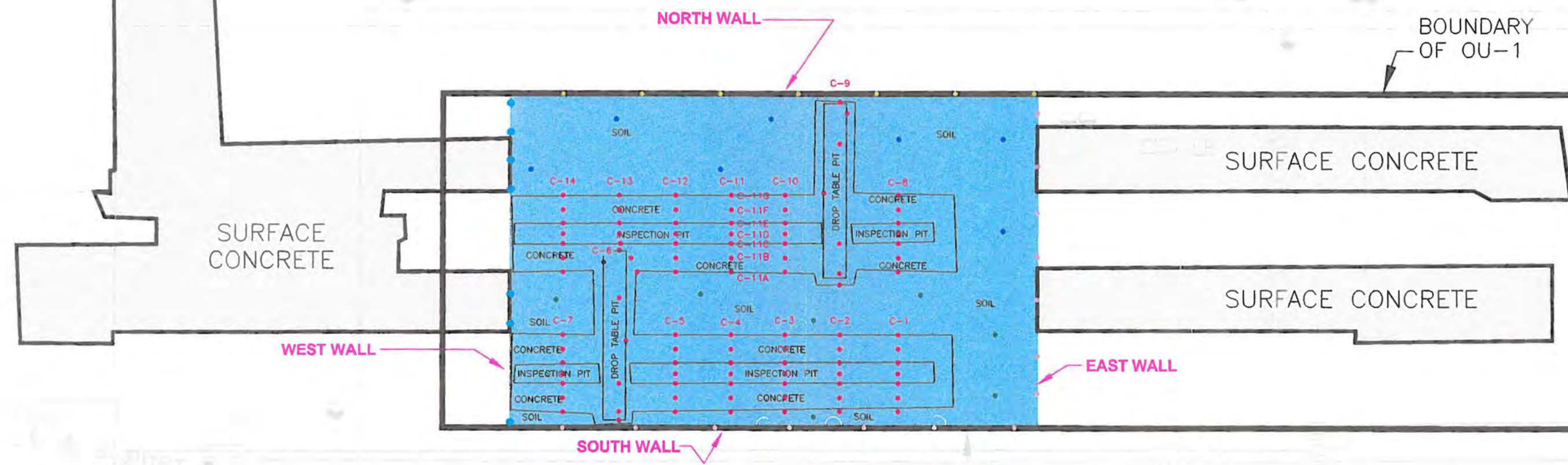
AMTRAK

REMEDIAL ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERS

Compiled by: J.P. Date: 3/98
Prepared by: R.K. Scale: As Shown
Project Mgr: J.D.D. Status: FINAL
File No: A5214005 Project: 05552E05


FIGURE

3

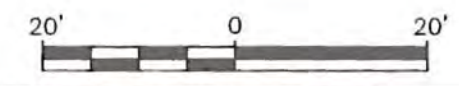


LEGEND

- SOIL GRAB SAMPLE LOCATION—NORTH WALL COMPOSITE
- SOIL GRAB SAMPLE LOCATION—EAST WALL COMPOSITE
- SOIL GRAB SAMPLE LOCATION—SOUTH WALL COMPOSITE
- SOIL GRAB SAMPLE LOCATION—WEST WALL COMPOSITE
- SOIL GRAB SAMPLE LOCATION—NORTH BOTTOM COMPOSITE
- SOIL GRAB SAMPLE LOCATION—SOUTH BOTTOM COMPOSITE
- C-5 CONCRETE COMPOSITE SAMPLE DESIGNATION
 - DISCRETE CONCRETE CHIP SAMPLE LOCATION
- C-11A • ADDITIONAL CONCRETE CHIP SAMPLE LOCATION AND DESIGNATION (RESAMPLE C-11 LOCATIONS FOR PCBs ONLY)

 LIMIT OF ASPHALT, CONCRETE AND SOIL REMOVAL BASED ON SURVEY PREPARED BY TOPO-METRICS, INC.

NOTES:
EACH COMPOSITE SOIL SAMPLE CONSISTS OF CO-MINGLED SOIL FROM SEVEN DISCRETE GRAB LOCATIONS
EACH COMPOSITE CONCRETE SAMPLE CONSISTS OF CO-MINGLED CONCRETE CHIPS FROM SEVEN DISCRETE LOCATIONS, ONE FROM EACH EXPOSED CONCRETE FACE



| | | | | |
|---|-------------------|-------------------|--------|--|
| Title: SOIL AND CONCRETE POST-EXCAVATION SAMPLE LOCATIONS | | | | |
| SUNNYSIDE YARD, QUEENS, NEW YORK | | | | |
| Prepared For: AMTRAK | | | | |
| REMEDIAL ENGINEERING, P.C. ENVIRONMENTAL ENGINEERS | Compiled by: D.L. | Date: 3/98 | FIGURE | |
| | Prepared by: G.M. | Scale: As Shown | 4 | |
| | Project Mgr: P.G. | Status: FINAL | | |
| | File No: A5216404 | Project: 05552E05 | | |

APPENDIX A

March 31, 1998 NYSDEC Letter to Roux Associates, Inc. and
April 6, 1998 Letter to the NYSDEC

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101
(718) 482-4995 Fax: (718) 482-6358



John P. Cahill
Commissioner

March 31, 1998



Mr. Joseph Duminuco
Principal Hydrogeologist
Roux Associates, Inc.
1377 Motor Parkway
Islandia, New York 11788

Re: Amtrak, Sunnyside Yard, Queens, New York Work Plan
Operable Unit 1 Remedial Design Completion Report

Dear Mr. Duminuco:

The Department has completed its review of the above referenced report, and has a few questions and concerns that must be resolved before the Report can be accepted by the Department. These are as follows:

1. The Record of Decision for OU 1 called for excavation of PAHs contaminated soils down to water table in a 95 ft. X 60 ft. area within the foot-print of the proposed High Speed Trainset Facility (HSTF) building. Prior to the commencement of fieldwork, the Department was not aware of the presence of any subsurface inspection pits and drop pits in this area. These pits, we understand, were excavated and cleaned to their concrete base. The cleanup involved excavation of saturated soils down to 8 ft. below surface and removal of 2450 gallons of contaminated water, both of which were found to be non-hazardous wastes. Since none of this work was planned or even anticipated, the Department would like the Report to clarify the following for the record:


- i) What was the past use of these pits, and during what period were these pits in operation?
 - ii) When and why were these pits abandoned in place?
 - iii) The Report indicates that these pits were anticipated, why were then these pits not investigated during the Phase I or the Phase II RI, or as part of the OU 1 focused investigation?
 - iv) Was there ever a known problem of oil and/ or PCBs seeping into these pits, like the problem that existed in the Engine House pit or the Metro Shop pit?
 - v) Please discuss how many other pits existed at any time.
2. Please provide a map of sampling locations for all chip and soil sampling.
3. Please provide results of the recent confirmatory chip sampling.

Mr. Joseph Duminuco
Roux Associates, Inc.
Page 2 of 2
March 31, 1998

4. Please provide the Land Surveyor's certification as to the surveyed locations.
5. Please include a sketch of the buried sewer pipe traversing the footprint of OU 1, show sampling locations, and include and discuss sampling results.
6. As we discussed, the title of the Report is a misnomer. We suggest calling it "Operable Unit 1 Remedial Action Report" would be more appropriate.

A quick resolution of the above comments and concerns will greatly expedite the Department's acceptance of the above referenced Report. If you have any questions, please contact me at 718 - 482-4909 or Mr. Richard Gardineer at 718 - 482- 4895 immediately.

Sincerely,


Hari O. Agrawal, P.E.
Environmental Engineer

CC: Rosalie Rusinko
Richard Gardineer / file
Sal Ervolina, DER, Albany, 7010
Steve Bates, NYSDOH, Albany

REMEDIAL ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERS

1377 MOTOR PARKWAY
SUITE 403
ISLANDIA, NEW YORK 11788
TEL (516) 232-2600
FAX (516) 232-9898

April 6, 1998

Hari O. Agrawal, P.E.
Environmental Engineer
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, New York 11101

Re: Response to the NYSDEC's March 31, 1998 Letter Regarding the
Operable Unit 1 Remedial Design Completion Report
Sunnyside Yard, Queens, New York

Dear Mr. Agrawal:

Roux Associates, Inc., on behalf of Amtrak, has reviewed the New York State Department of Environmental Conservation's (NYSDEC) March 31, 1998 letter to Joseph Duminuco of Roux Associates regarding the Operable Unit 1 Remedial Design Completion Report. This letter presents Amtrak's responses to the NYSDEC's comments. The format of this response letter consists of the NYSDEC's comment in italicized text, followed by Amtrak's response in standard text format. If you are in agreement with the responses in this letter we will incorporate them into the Completion Report and forward it to you immediately.

1. *The Record of Decision for OU-1 called for excavation of PAHs contaminated soils down to water table in a 95 ft. X 60 ft. area within the foot-print of the proposed High Speed Trainset Facility (HSTF) building. Prior to the commencement of fieldwork, the Department was not aware of the presence of any subsurface inspection pits and drop pits in this area. These pits, we understand, were excavated and cleaned to their concrete base. The cleanup involved excavation of saturated soils down to 8 ft. below surface and removal of 2450 gallons of contaminated water, both of which were found to be non-hazardous wastes. Since none of this work was planned or even anticipated, the Department would like the Report to clarify the following for the record.*

It is important to note that at least three documents reviewed by the NYSDEC before the commencement of the OU-1 remediation discussed the existence of the inspection pits. These documents include the Phase 2 Environmental Site Assessment Report, the OU-1 Feasibility Study Report, and the Remedial Design Report (RDR). A review of historical information did not document the existence of the droptable pits.

The NYSDEC's letter indicated that they understood the pits to contain saturated soil down to 8 feet below land surface, and 2450 gallons of contaminated water. It is important to note that the saturated soil was a result of surface runoff, not groundwater seepage and was only found in the deeper droptable pits. Once pumping of the droptable pits was accomplished, seepage of ground water did not occur. In addition, analysis of the water for disposal parameters did not detect any contamination. Off-site disposal of the clean dewatering effluent was performed to avoid any delays that might have resulted from seeking discharge to sewer approvals from NYSDEC and the New York City Department of Environmental Protection (NYCDEP).

The NYSDEC's letter also required clarification of the following five issues relating to the pits in OU-1:

- i) *What was the past use of these pits, and during what period were these pits in operation?*

Historically, the performance of service and inspection (S&I) of railroad equipment at the Yard occurred in both the inspection and droptable pits. The function of the droptable pits was for changing the trucks (the wheel assembly) of railroad equipment. A determination of the period of use of the pits could not be made since there is no documentation of the start-up date. Only one of the inspection/droptable pits was in operation when Amtrak acquired the property in 1976.

- ii) *When and why were these pits abandoned in place?*

Apparently, one inspection/droptable pit was abandoned prior to 1976. Abandonment of the remaining pit occurred in 1985 because it was no longer needed as a result of the construction of a new indoor running repair building on the south side of the Yard. Abandonment in place was the most economical option since the pits were of sufficient structural integrity for the intended future use (i.e., storage tracks).

- iii) *The Report indicates that these pits were anticipated, why then were these pits not investigated during the Phase I or the Phase II RI, or as part of the OU-1 focused investigation?*

The RI/FS process at the Yard commenced in 1990 and followed a NYSDEC-approved work plan. A review of historical information, aerial photo reviews and interviews with Yard personnel, determined 16 Areas of Concern (AOCs). Initial observations resulted in identification of a 17th AOC. As it is impractical to investigate every portion of any site, our efforts focused on the AOCs but contained other facility-wide sampling as well. There was no indication during scoping or initial field

observations by Roux Associates or the NYSDEC representative that these pits were AOCs. As stated in the RDR, the location of soil boring HST-2 was within one of the pits and the locations of several others were in the immediate vicinity of the pits.

- iv) *Was there ever a known problem of oil and/or PCBs seeping into these pits, like the problem that existed in the Engine House pit or the Metro Shop pit?*

There is no evidence of known or suspected releases in these pits. In contrast to the Engine House and Metro Shop pits, the pits in OU-1 are located outside the separate-phase petroleum accumulation were also observed during the remediation to be water-tight. In addition, the soil and stormwater removed from the pits in OU-1 did not display evidence of petroleum compounds.

- v) *Please discuss how many other pits existed at any time.*

Amtrak knows of no other pits in OU-1.

2. *Please provide a map of sampling locations for all chip and soil sampling.*

The revised report will include a map of concrete chip and soil sampling locations.

3. *Please provide results of the recent confirmatory chip sampling.*

The revised report will also include the results of recent confirmatory concrete chip samples.

4. *Please provide the Land Surveyor's certification as to the surveyed locations.*

The revised report will include the Land Surveyor's certification.

5. *Please include a sketch of the buried sewer pipe traversing the footprint of OU 1, show sampling locations, and include and discuss sampling results.*

As we discussed, due to the time-critical relationship between the completion of this report and the loan closing date on May 1, 1998, Amtrak considers the sewer pipe beneath the footprint of OU-1 a separate issue and will be submitting a letter report to the NYSDEC relating to that issue shortly.

6. *As we discussed, the title of the Report is a misnomer. We suggest calling it "Operable Unit 1 Remedial Action Report" would be more appropriate.*

The "Operable Unit 1 Remedial Action Report" will be the new title.

Hari O. Agrawal, P.E.

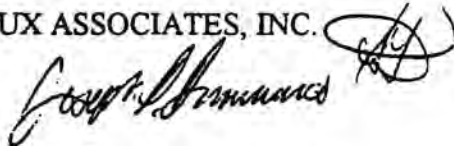
April 6, 1998

Page 4

We appreciate your prompt attention to the initial review and trust that the responses presented above are to the NYSDEC's satisfaction and will result in an expedited approval of the report. If you have any questions or require additional information, please call.

Sincerely,

ROUX ASSOCIATES, INC.



Joseph D. Duminuco
Principal Hydrogeologist

REMEDIAL ENGINEERING, P.C.



Peter J. Gerbasi, P.E.
Principal Engineer

cc: R. Gardineer, P.E., NYSDEC
R. Rusinko, Esq., NYSDEC
S. Ervolina, P.E., NYSDEC
S. Bates, NYSDOH
J. Matthews, Amtrak
R. Mohlenhoff, P.E., Amtrak
C. Warren, Esq., Robinson, Silverman, et al
C. Rosenthal, Esq., Kalkines, Arky et al.

APPENDIX B

December 18, 1997 Letter to the NYSDEC

REMEDIAL ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERS

1377 MOTOR PARKWAY
SUITE 403
ISLANDIA, NEW YORK 11788
TEL (516) 232-2600
FAX (516) 232-9898

December 18, 1997

Richard Gardineer, P.E.
Regional Remediation Engineer
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, New York 11101

Re: Operable Unit 1 Remedial Design Report
Sunnyside Yard, Queens, New York

Dear Mr. Gardineer:

Roux Associates, Inc. and Remedial Engineering, P.C., on behalf of the National Railroad Passenger Corporation (Amtrak), is writing this letter to notify you of a site condition which we believe represents a significant change to the remedial design currently being implemented as part of the Operable Unit 1 (OU-1) remedial action at the Sunnyside Yard (Yard). The condition that we have identified involves two large concrete channels that run through the OU-1 excavation area. It is our intention to leave these channels in place within OU-1 due to their large size (approximately 10 feet across by 4 feet deep) and the significant time delay and expense that Amtrak would incur should their removal be necessary.

Several factors that we have identified during the excavation activities support our request. These include:

- the channels extend into the water table, and no OU-1 soils exist beneath them;
- the material within the channels has been completely excavated within the OU-1 area;
- the channels are intact and were not found to have visible staining or other signs of contamination.

We acknowledge that Section 2.4 of the Operable Unit 1 Remedial Design Report states that if subsurface concrete is encountered, the Contractor would be directed to remove and stage this material prior to its disposal off-site. It must be noted, however, that our intent in this regard was to remove and dispose of any concrete that was contaminated, or prevented us from excavating contaminated soils, specifically, those soils within the unsaturated zone and any grossly contaminated soils within the

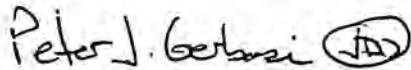
saturated zone. One additional point is that the subject soils below these channels are saturated while the surrounding soils are clean in appearance, therefore, any residual contamination would be addressed by OU-6 at the site.

We hope that this letter will allow the NYSDEC to approve our request to leave these channels in place. If necessary, we will have our field staff show you the area so that you may verify the site conditions. Furthermore, as you requested, we are preparing a sampling plan for concrete chip samples from each channel which will be submitted to you under separate cover.

Please call if you have any questions or comments.

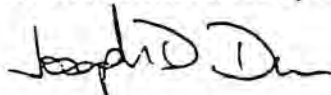
Sincerely,

REMEDIAL ENGINEERING, P.C.

Handwritten signature of Peter J. Gerbasi in black ink, with a circled 'JD' monogram to the right.

Peter J. Gerbasi, P.E.
Principal Engineer

ROUX ASSOCIATES, INC.

Handwritten signature of Joseph D. Duminuco in black ink.

Joseph D. Duminuco
Principal Hydrogeologist

cc: H. Agrawal, NYSDEC
R. Mohlenhoff, P.E., Amtrak
C. Warren, Esq., Robinson, et al.
H. Gregory, Roux Associates, Inc.

REMEDIAL ENGINEERING, P.C..

WIAM05552Y05 157/L

APPENDIX C

December 19, 1997 Letter to the NYSDEC

REMEDIAL ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERS

1377 MOTOR PARKWAY
SUITE 403
ISLANDIA, NEW YORK 11788
TEL (516) 232-2600
FAX (516) 232-9898

December 19, 1997

Richard Gardineer, P.E.
Regional Remediation Engineer
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, New York 11101

Re: Protocol for Concrete Chip Samples in Operable Unit 1, Sunnyside Yard,
Queens, New York

Dear Mr. Gardineer:

Roux Associates, Inc. and Remedial Engineering, P.C., on behalf of the National Railroad Passenger Corporation (Amtrak), has prepared the following protocols to collect concrete samples from two existing concrete channels located in the excavation area of Operable Unit 1 (OU-1), Sunnyside Yard, Queens, New York. As described in the December 18, 1997 correspondence from Remedial Engineering, P.C., these channels are intact and were not found to have visible staining or other signs of contamination.

The protocols described below include only the collection of concrete chip samples from the existing concrete channels. The guidelines and procedures for field and laboratory personnel to be followed to verify that the field activities undertaken are of sufficient quality (i.e., decontamination, sample custody and handling, etc.) are included in the approved "General Sampling And Analysis Plan to Support High Speed Trainset Facility Activities In Operable Unit 4" (August 6, 1997).

Concrete chip samples will be collected at 10 feet intervals in each of the two concrete channels (including the two drop pits). The concrete channels are approximately 10 feet wide by 4 feet deep and 70 feet long. The initial excavation into these channels will result in some of the concrete being removed; therefore, it is estimated that composite samples will be collected from six locations (every 10 feet) in each of the two channels, resulting in 12 composite samples submitted for analysis. The composite samples will be derived from seven sample points (each face) at every sampling location.

The chip samples will be collected using a decontaminated hammer or chisel. An effort will be made to avoid scattering pieces out of the sampling area boundary. The area will be chipped to approximately 1/8 inch and placed directly into the sample bottle. The composite samples will be homogenized in the laboratory.

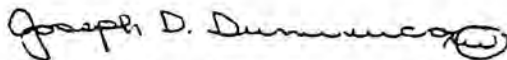
The laboratory analyses will be performed by a certified laboratory using the NYSDEC Analytical Services Protocols (ASP). Samples will be analyzed for polycyclic aromatic hydrocarbons (PAHs) using ASP 95-2, polychlorinated biphenyls (PCBs) using ASP 95-3, and lead (ILMO4.0). Quality control samples, consisting of one field duplicate per 20 samples collected, will be submitted for analysis. Matrix spike (MS)/ matrix spike duplicate (MSD)/matrix spike blanks (MSB) will not be collected based on the concrete matrix; however the laboratory mandated MS/MSD/MSB may be used for data evaluation purposes.

Upon completion of the field investigation, Roux Associates will submit a report which presents the data and includes our findings and recommendations regarding the sample results.

Should you have any comments or questions, please do not hesitate to call.

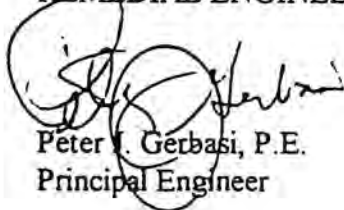
Sincerely,

ROUX ASSOCIATES, INC.



Joseph D. Duminuco
Principal Hydrogeologist

REMEDIAL ENGINEERING, P.C.



Peter J. Gerbasi, P.E.
Principal Engineer

APPENDIX D

Liquid Disposal Characterization Sampling Data Package

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
FEBRUARY 4, 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 282486
Client: ROUX ASSOCIATES, INC.
Sample source: AMTRAK SUNNY SIDE/05552Y05
Sample ID: AMTRAK W-1
Sample date: 01/29/98
Sampled by: Customer
At lab date: 02/02/98
Matrix: AQUEOUS

Batch #: OPC7521
Extraction date: 02/03/98
Weight/Volume: 500ml
Dilution Factor: 1

Column used: DB 1701/DB 608
Analysis date: 02/04/98
Final Volume: 10ml

| ANALYTE NAME | RESULT UG/L | METHOD BLANK RESULT UG/L | PRACTICAL QUANTITATION LIMIT UG/L | MINIMUM DETECTION LIMIT UG/L |
|--------------|----------------|-----------------------------------|--|---------------------------------------|
| Aroclor-1016 | U | U | 2.0 | 1.0 |
| Aroclor-1221 | U | U | 4.0 | 2.8 |
| Aroclor-1232 | U | U | 2.0 | 1.6 |
| Aroclor-1242 | U | U | 2.0 | 1.0 |
| Aroclor-1248 | U | U | 2.0 | 1.2 |
| Aroclor-1254 | U | U | 2.0 | 1.4 |
| Aroclor-1260 | U | U | 2.0 | 1.6 |

UG/L = micrograms/liter or ppb

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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DAV

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY ANALYSIS

All results are reported in mg/l (ppm) unless otherwise stated.

Lab Number: 282486
Client: ROUX ASSOCIATES, INC.
Sample Source: AMTRAK SUNNY SIDE
Sample ID: AMTRAK W-1
Sample matrix: LIQUID (AQUEOUS)
Sample date: 01/29/98
Sampled by: Customer
At lab date: 02/02/98

| PARAMETER | DILUTION FACTOR | RESULT | METHOD BLANK | MINIMUM DETECTION LIMIT | ANALYSIS DATE |
|-----------------------------------|--------------------|--------|-----------------|-------------------------------|------------------|
| Total Organic Halogen (TOX) as Cl | 5 | 0.416 | U | 0.010 | 02/03/98 |

< = Less than
> = Greater than
U= Not detected, NA= Not applicable.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.

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ROB

INDUSTRIAL CORROSION MANAGEMENT, Inc.
1152 Route 10
Randolph, NJ 07869
973-584-0330
FEBRUARY 4, 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY ANALYSIS

Lab Number: 282486
Client: ROUX ASSOCIATES, INC.
Sample Source: AMTRAK SUNNY SIDE
Sample ID: AMTRAK W-1
Sampling Date: 01/29/98
Sampled by: Customer
At Lab Date: 02/02/98

Percent Moisture = 100%

REACTIVITY

Results reported in mg/kg wet weight basis.
Only the cyanide or sulfide gases released under test conditions
are measured.

| Parameter | Result | MDL | Method Blank | Analysis Date | Dilution Factor | Limit |
|--|--------|------|-----------------|------------------|--------------------|---------------------------|
| Cyanide: | U* | 0.25 | U | 02/03/98 | 1 | 250mg HCN/kg |
| Sulfide: | U* | 25 | U | 02/03/98 | 1 | 500mg H ₂ S/kg |
| * = Sample does not exhibit characteristics of Cyanide or Sulfide reactivity | | | | | | |

CORROSIVITY (Measured in pH units)

| Result | Analysis Date |
|--------|------------------|
| 8.06 | 02/03/98 |

IGNITABILITY

Flash point by Pensky Martens Closed Cup.
Analysis Date: 02/03/98

Sample did not flash. Sample boiled @ 100 C

U= Not detected

INDUSTRIAL CORROSION MANAGEMENT, Inc.
Thomas Mancuso, Lab Mgr.

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ROB

APPENDIX E

Post-Excavation Soil Sampling Data Package

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-W

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279875

Sample wt/vol: 30.05 (g/ml) G Lab File ID: J1869.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 5.89 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.39

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 350 | U |
| 91-57-6 | 2-Methylnaphthalene | | 350 | U |
| 208-96-8 | Acenaphthylene | | 350 | U |
| 83-32-9 | Acenaphthene | | 350 | U |
| 132-64-9 | Dibenzofuran | | 350 | U |
| 86-73-7 | Fluorene | | 350 | U |
| 85-01-8 | Phenanthrene | | 22 | J |
| 120-12-7 | Anthracene | | 350 | U |
| 206-44-0 | Fluoranthene | | 32 | J |
| 129-00-0 | Pyrene | | 28 | J |
| 56-55-3 | Benzo[a]anthracene | | 18 | J |
| 218-01-9 | Chrysene | | 350 | U |
| 205-99-2 | Benzo[b]fluoranthene | | 28 | J |
| 207-08-9 | Benzo[k]fluoranthene | | 350 | U |
| 50-32-8 | Benzo[a]pyrene | | 350 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 350 | U |
| 53-70-3 | Dibenz[a,h]anthracene | | 350 | U |
| 191-24-2 | Benzo[g,h,i]perylene | | 350 | U |

18
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E-W

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 280000

Sample wt/vol: 30.33 (g/ml) G Lab File ID: J1870.D

Level: (low/med) LOW Date Received: 12/23/97

% Moisture: 16.31 decanted:(Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.58

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 390 | U | |
| 91-57-6 | 2-Methylnaphthalene | 390 | U | |
| 208-96-8 | Acenaphthylene | 390 | U | |
| 83-32-9 | Acenaphthene | 390 | U | |
| 132-64-9 | Dibenzofuran | 390 | U | |
| 86-73-7 | Fluorene | 390 | U | |
| 85-01-8 | Phenanthrene | 390 | U | |
| 120-12-7 | Anthracene | 390 | U | |
| 206-44-0 | Fluoranthene | 34 | J | |
| 129-00-0 | Pyrene | 31 | J | |
| 56-55-3 | Benzo[a]anthracene | 31 | J | |
| 218-01-9 | Chrysene | 38 | J | |
| 205-99-2 | Benzo[b]fluoranthene | 100 | J | |
| 207-08-9 | Benzo[k]fluoranthene | 390 | U | |
| 50-32-8 | Benzo[a]pyrene | 390 | U | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 39 | J | |
| 53-70-3 | Dibenz[a,h]anthracene | 20 | J | |
| 191-24-2 | Benzo[g,h,i]perylene | 41 | J | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

N-B

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 280003

Sample wt/vol: 30.23 (g/ml) G Lab File ID: J1873.D

Level: (low/med) LOW Date Received: 12/23/97

% Moisture: 10.38 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.75

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 370 | U |
| 91-57-6 | 2-Methylnaphthalene | | 370 | U |
| 208-96-8 | Acenaphthylene | | 370 | U |
| 83-32-9 | Acenaphthene | | 370 | U |
| 132-64-9 | Dibenzofuran | | 370 | U |
| 86-73-7 | Fluorene | | 370 | U |
| 85-01-8 | Phenanthrene | | 370 | U |
| 120-12-7 | Anthracene | | 370 | U |
| 206-44-0 | Fluoranthene | | 38 | J |
| 129-00-0 | Pyrene | | 40 | J |
| 56-55-3 | Benzo[a]anthracene | | 20 | J |
| 218-01-9 | Chrysene | | 20 | J |
| 205-99-2 | Benzo[b]fluoranthene | | 40 | J |
| 207-08-9 | Benzo[k]fluoranthene | | 370 | U |
| 50-32-8 | Benzo[a]pyrene | | 370 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 370 | U |
| 53-70-3 | Dibenz[a,h]anthracene | | 370 | U |
| 191-24-2 | Benzo[g,h,i]perylene | | 370 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

N-W

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 280001

Sample wt/vol: 30.43 (g/ml) G Lab File ID: J1871.D

Level: (low/med) LOW Date Received: 12/23/97

% Moisture: 6.29 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 350 | U | |
| 91-57-6 | 2-Methylnaphthalene | 350 | U | |
| 208-96-8 | Acenaphthylene | 350 | U | |
| 83-32-9 | Acenaphthene | 350 | U | |
| 132-64-9 | Dibenzofuran | 350 | U | |
| 86-73-7 | Fluorene | 350 | U | |
| 85-01-8 | Phenanthrene | 350 | U | |
| 120-12-7 | Anthracene | 350 | U | |
| 206-44-0 | Fluoranthene | 350 | U | |
| 129-00-0 | Pyrene | 350 | U | |
| 56-55-3 | Benzo[a]anthracene | 350 | U | |
| 218-01-9 | Chrysene | 350 | U | |
| 205-99-2 | Benzo[b]fluoranthene | 350 | U | |
| 207-08-9 | Benzo[k]fluoranthene | 350 | U | |
| 50-32-8 | Benzo[a]pyrene | 350 | U | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 350 | U | |
| 53-70-3 | Dibenz[a,h]anthracene | 350 | U | |
| 191-24-2 | Benzo[g,h,i]perylene | 350 | U | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-W

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279874

Sample wt/vol: 30.11 (g/ml) G Lab File ID: J1868.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 6.62 decanted:(Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 360 | U |
| 91-57-6 | 2-Methylnaphthalene | | 360 | U |
| 208-96-8 | Acenaphthylene | | 360 | U |
| 83-32-9 | Acenaphthene | | 360 | U |
| 132-64-9 | Dibenzofuran | | 360 | U |
| 86-73-7 | Fluorene | | 360 | U |
| 85-01-8 | Phenanthrene | | 100 | J |
| 120-12-7 | Anthracene | | 28 | J |
| 206-44-0 | Fluoranthene | | 180 | J |
| 129-00-0 | Pyrene | | 150 | J |
| 56-55-3 | Benzo[a]anthracene | | 79 | J |
| 218-01-9 | Chrysene | | 70 | J |
| 205-99-2 | Benzo[b]fluoranthene | | 110 | J |
| 207-08-9 | Benzo[k]fluoranthene | | 360 | U |
| 50-32-8 | Benzo[a]pyrene | | 45 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 32 | J |
| 53-70-3 | Dibenz[a,h]anthracene | | 360 | U |
| 191-24-2 | Benzo[g,h,i]perylene | | 33 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

W-W

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 280002

Sample wt/vol: 30.13 (g/ml) G Lab File ID: J1872.D

Level: (low/med) LOW Date Received: 12/23/97

% Moisture: 8.77 decanted:(Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.39

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------|------|---|
| 91-20-3 | Naphthalene | 280 | J |
| 91-57-6 | 2-Methylnaphthalene | 200 | J |
| 208-96-8 | Acenaphthylene | 110 | J |
| 83-32-9 | Acenaphthene | 410 | |
| 132-64-9 | Dibenzofuran | 250 | J |
| 86-73-7 | Fluorene | 390 | |
| 85-01-8 | Phenanthrene | 1400 | |
| 120-12-7 | Anthracene | 430 | |
| 206-44-0 | Fluoranthene | 600 | |
| 129-00-0 | Pyrene | 1300 | |
| 56-55-3 | Benzo[a]anthracene | 960 | |
| 218-01-9 | Chrysene | 840 | |
| 205-99-2 | Benzo[b]fluoranthene | 1600 | |
| 207-08-9 | Benzo[k]fluoranthene | 360 | U |
| 50-32-8 | Benzo[a]pyrene | 790 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 360 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 170 | J |
| 191-24-2 | Benzo[g,h,i]perylene | 300 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

W-WRE

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 280002RE

Sample wt/vol: 30.13 (g/ml) G Lab File ID: J2021.D

Level: (low/med) LOW Date Received: 12/23/97

% Moisture: 8.77 decanted:(Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/10/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.39

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 270 | J |
| 91-57-6 | 2-Methylnaphthalene | | 190 | J |
| 208-96-8 | Acenaphthylene | | 110 | J |
| 83-32-9 | Acenaphthene | | 410 | |
| 132-64-9 | Dibenzofuran | | 250 | J |
| 86-73-7 | Fluorene | | 360 | J |
| 85-01-8 | Phenanthrene | | 820 | |
| 120-12-7 | Anthracene | | 970 | |
| 206-44-0 | Fluoranthene | | 750 | |
| 129-00-0 | Pyrene | | 2200 | |
| 56-55-3 | Benzo[a]anthracene | | 1700 | |
| 218-01-9 | Chrysene | | 1700 | |
| 205-99-2 | Benzo[b]fluoranthene | | 1800 | |
| 207-08-9 | Benzo[k]fluoranthene | | 360 | U |
| 50-32-8 | Benzo[a]pyrene | | 720 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 430 | |
| 53-70-3 | Dibenz[a,h]anthracene | | 210 | J |
| 191-24-2 | Benzo[g,h,i]perylene | | 410 | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK32

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: SBLK32

Sample wt/vol: 30.03 (g/ml) G Lab File ID: J1867.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | | 330 | U |
| 208-96-8 | Acenaphthylene | | 330 | U |
| 83-32-9 | Acenaphthene | | 330 | U |
| 132-64-9 | Dibenzofuran | | 330 | U |
| 86-73-7 | Fluorene | | 330 | U |
| 85-01-8 | Phenanthrene | | 330 | U |
| 120-12-7 | Anthracene | | 330 | U |
| 206-44-0 | Fluoranthene | | 330 | U |
| 129-00-0 | Pyrene | | 330 | U |
| 56-55-3 | Benzo[a]anthracene | | 330 | U |
| 218-01-9 | Chrysene | | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | | 330 | U |
| 207-08-9 | Benzo[k]fluoranthene | | 330 | U |
| 50-32-8 | Benzo[a]pyrene | | 330 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 330 | U |
| 53-70-3 | Dibenz[a,h]anthracene | | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | | 330 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK36

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: SBLK36

Sample wt/vol: 30.01 (g/ml) G Lab File ID: J1874.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|----------|------------------------|-----------------------|---|
| 91-20-3 | Naphthalene | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | 330 | U |
| 208-96-8 | Acenaphthylene | 330 | U |
| 83-32-9 | Acenaphthene | 330 | U |
| 132-64-9 | Dibenzofuran | 330 | U |
| 86-73-7 | Fluorene | 330 | U |
| 85-01-8 | Phenanthrene | 330 | U |
| 120-12-7 | Anthracene | 330 | U |
| 206-44-0 | Fluoranthene | 330 | U |
| 129-00-0 | Pyrene | 330 | U |
| 56-55-3 | Benzo[a]anthracene | 330 | U |
| 218-01-9 | Chrysene | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | 330 | U |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U |
| 50-32-8 | Benzo[a]pyrene | 330 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 330 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 330 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E-WMS

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 280000MS

Sample wt/vol: 30.01 (g/ml) G Lab File ID: J1911.D

Level: (low/med) LOW Date Received: 12/23/97

% Moisture: 16.31 decanted:(Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/04/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.58

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 400 | | U |
| 91-57-6 | 2-Methylnaphthalene | 400 | | U |
| 208-96-8 | Acenaphthylene | 400 | | U |
| 83-32-9 | Acenaphthene | 1800 | | |
| 132-64-9 | Dibenzofuran | 400 | | U |
| 86-73-7 | Fluorene | 400 | | U |
| 85-01-8 | Phenanthrene | 400 | | U |
| 120-12-7 | Anthracene | 400 | | U |
| 206-44-0 | Fluoranthene | 400 | | U |
| 129-00-0 | Pyrene | 2000 | | |
| 56-55-3 | Benzo[a]anthracene | 59 | | J |
| 218-01-9 | Chrysene | 72 | | J |
| 205-99-2 | Benzo[b]fluoranthene | 290 | | J |
| 207-08-9 | Benzo[k]fluoranthene | 400 | | U |
| 50-32-8 | Benzo[a]pyrene | 100 | | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 55 | | J |
| 53-70-3 | Dibenz[a,h]anthracene | 29 | | J |
| 191-24-2 | Benzo[g,h,i]perylene | 47 | | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E-WMSD

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 280000MSD

Sample wt/vol: 30.09 (g/ml) G Lab File ID: J1912.D

Level: (low/med) LOW Date Received: 12/23/97

% Moisture: 16.31 decanted:(Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/04/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.58

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 400 | | U |
| 91-57-6 | 2-Methylnaphthalene | 400 | | U |
| 208-96-8 | Acenaphthylene | 400 | | U |
| 83-32-9 | Acenaphthene | 1800 | | |
| 132-64-9 | Dibenzofuran | 400 | | U |
| 86-73-7 | Fluorene | 400 | | U |
| 85-01-8 | Phenanthrene | 400 | | U |
| 120-12-7 | Anthracene | 400 | | U |
| 206-44-0 | Fluoranthene | 400 | | U |
| 129-00-0 | Pyrene | 1900 | | |
| 56-55-3 | Benzo[a]anthracene | 27 | | J |
| 218-01-9 | Chrysene | 35 | | J |
| 205-99-2 | Benzo[b]fluoranthene | 99 | | J |
| 207-08-9 | Benzo[k]fluoranthene | 400 | | U |
| 50-32-8 | Benzo[a]pyrene | 29 | | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 400 | | U |
| 53-70-3 | Dibenz[a,h]anthracene | 400 | | U |
| 191-24-2 | Benzo[g,h,i]perylene | 400 | | U |

APPENDIX F

Post-Excavation Concrete Sampling Data Package

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C1

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C1

Matrix (soil/water): SOIL

Lab Sample ID: 279859

Level (low/med): LOW

Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 14.6 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY Clarity Before: YELLOW Texture: _____

Color After: CLOUDY Clarity After: CLEAR Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C1DUP

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: SAS No.: SDG No.: C1

Matrix (soil/water): SOIL

Lab Sample ID: 279860

Level (low/med): LOW

Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 27.8 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY

Clarity Before: YELLOW

Texture: _____

Color After: CLOUDY

Clarity After: CLEAR

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C2

Lab Name: ICM_LABS _____ Contract: _____

Lab Code: ICM _____ Case No.: _____ SAS No.: _____ SDG No.: C1 _____

Matrix (soil/water): SOIL _____

Lab Sample ID: 279861

Level (low/med): LOW _____

Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 48.9 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY _____

Clarity Before: YELLOW _____

Texture: _____

Color After: CLOUDY _____

Clarity After: CLEAR _____

Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C3

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C1

Matrix (soil/water): SOIL Lab Sample ID: 279862

Level (low/med): LOW Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 17.3 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY Clarity Before: YELLOW Texture: _____

Color After: CLOUDY Clarity After: CLEAR Artifacts: _____

Comments:



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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C4

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: SAS No.: SDG No.: C1

Matrix (soil/water): SOIL

Lab Sample ID: 279863

Level (low/med): LOW

Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 11.5 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY Clarity Before: YELLOW Texture: _____

Color After: CLOUDY Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C5

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: SAS No.: SDG No.: C1

Matrix (soil/water): SOIL

Lab Sample ID: 279864

Level (low/med): LOW

Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 7.3 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY

Clarity Before: YELLOW

Texture: _____

Color After: CLOUDY

Clarity After: CLEAR

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C7

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: SAS No.: SDG No.: C1

Matrix (soil/water): SOIL

Lab Sample ID: 279866

Level (low/med): LOW

Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 10.8 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY

Clarity Before: YELLOW

Texture: _____

Color After: CLOUDY

Clarity After: CLEAR

Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C8

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: SAS No.: SDG No.: C1

Matrix (soil/water): SOIL Lab Sample ID: 279867

Level (low/med): LOW Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | - | | NR |
| 7440-36-0 | Antimony | | - | | NR |
| 7440-38-2 | Arsenic | | - | | NR |
| 7440-39-3 | Barium | | - | | NR |
| 7440-41-7 | Beryllium | | - | | NR |
| 7440-43-9 | Cadmium | | - | | NR |
| 7440-70-2 | Calcium | | - | | NR |
| 7440-47-3 | Chromium | | - | | NR |
| 7440-48-4 | Cobalt | | - | | NR |
| 7440-50-8 | Copper | | - | | NR |
| 7439-89-6 | Iron | | - | | NR |
| 7439-92-1 | Lead | 16.1 | - | | P |
| 7439-95-4 | Magnesium | | - | | NR |
| 7439-96-5 | Manganese | | - | | NR |
| 7439-97-6 | Mercury | | - | | NR |
| 7440-02-0 | Nickel | | - | | NR |
| 7440-09-7 | Potassium | | - | | NR |
| 7782-49-2 | Selenium | | - | | NR |
| 7440-22-4 | Silver | | - | | NR |
| 7440-23-5 | Sodium | | - | | NR |
| 7440-28-0 | Thallium | | - | | NR |
| 7440-62-2 | Vanadium | | - | | NR |
| 7440-66-6 | Zinc | | - | | NR |
| | Cyanide | | - | | NR |

Color Before: GREY Clarity Before: YELLOW Texture: _____

Color After: CLOUDY Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C9

Lab Name: ICM_LABS _____ Contract: _____

Lab Code: ICM _____ Case No.: _____ SAS No.: _____ SDG No.: C1 _____

Matrix (soil/water): SOIL_

Lab Sample ID: 279868

Level (low/med): LOW_

Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 50.2 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY _____ Clarity Before: YELLOW _____ Texture: _____

Color After: CLOUDY _____ Clarity After: CLEAR _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

C10

Lab Name: ICM_LABS

Contract: _____

Lab Code: ICM

Case No.: _____

SAS No.: _____

SDG No.: C1

Matrix (soil/water): SOIL

Lab Sample ID: 279869

Level (low/med): LOW

Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | - | | NR |
| 7440-36-0 | Antimony | | - | | NR |
| 7440-38-2 | Arsenic | | - | | NR |
| 7440-39-3 | Barium | | - | | NR |
| 7440-41-7 | Beryllium | | - | | NR |
| 7440-43-9 | Cadmium | | - | | NR |
| 7440-70-2 | Calcium | | - | | NR |
| 7440-47-3 | Chromium | | - | | NR |
| 7440-48-4 | Cobalt | | - | | NR |
| 7440-50-8 | Copper | | - | | NR |
| 7439-89-6 | Iron | | - | | NR |
| 7439-92-1 | Lead | 8.3 | - | | P |
| 7439-95-4 | Magnesium | | - | | NR |
| 7439-96-5 | Manganese | | - | | NR |
| 7439-97-6 | Mercury | | - | | NR |
| 7440-02-0 | Nickel | | - | | NR |
| 7440-09-7 | Potassium | | - | | NR |
| 7782-49-2 | Selenium | | - | | NR |
| 7440-22-4 | Silver | | - | | NR |
| 7440-23-5 | Sodium | | - | | NR |
| 7440-28-0 | Thallium | | - | | NR |
| 7440-62-2 | Vanadium | | - | | NR |
| 7440-66-6 | Zinc | | - | | NR |
| | Cyanide | | - | | NR |

Color Before: GREY

Clarity Before: YELLOW

Texture: _____

Color After: CLOUDY

Clarity After: CLEAR

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C11

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: SAS No.: SDG No.: C1

Matrix (soil/water): SOIL Lab Sample ID: 279870

Level (low/med): LOW Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 29.4 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY Clarity Before: YELLOW Texture: _____

Color After: CLOUDY Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C12

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C1

Matrix (soil/water): SOIL

Lab Sample ID: 279871

Level (low/med): LOW

Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 57.1 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY Clarity Before: YELLOW Texture: _____

Color After: CLOUDY Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C13

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C1

Matrix (soil/water): SOIL Lab Sample ID: 279872

Level (low/med): LOW Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 195 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY Clarity Before: YELLOW Texture: _____

Color After: CLOUDY Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

C14

Lab Name: ICM_LABS Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C1

Matrix (soil/water): SOIL

Lab Sample ID: 279873

Level (low/med): LOW

Date Received: 12/22/97

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | | | | NR |
| 7440-36-0 | Antimony | | | | NR |
| 7440-38-2 | Arsenic | | | | NR |
| 7440-39-3 | Barium | | | | NR |
| 7440-41-7 | Beryllium | | | | NR |
| 7440-43-9 | Cadmium | | | | NR |
| 7440-70-2 | Calcium | | | | NR |
| 7440-47-3 | Chromium | | | | NR |
| 7440-48-4 | Cobalt | | | | NR |
| 7440-50-8 | Copper | | | | NR |
| 7439-89-6 | Iron | | | | NR |
| 7439-92-1 | Lead | 10.9 | | | P |
| 7439-95-4 | Magnesium | | | | NR |
| 7439-96-5 | Manganese | | | | NR |
| 7439-97-6 | Mercury | | | | NR |
| 7440-02-0 | Nickel | | | | NR |
| 7440-09-7 | Potassium | | | | NR |
| 7782-49-2 | Selenium | | | | NR |
| 7440-22-4 | Silver | | | | NR |
| 7440-23-5 | Sodium | | | | NR |
| 7440-28-0 | Thallium | | | | NR |
| 7440-62-2 | Vanadium | | | | NR |
| 7440-66-6 | Zinc | | | | NR |
| | Cyanide | | | | NR |

Color Before: GREY

Clarity Before: YELLOW

Texture: _____

Color After: CLOUDY

Clarity After: CLEAR

Artifacts: _____

Comments:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-1

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279859

Sample wt/vol: 30.09 (g/ml) G Lab File ID: J1875.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 27 | J | |
| 91-57-6 | 2-Methylnaphthalene | 330 | U | |
| 208-96-8 | Acenaphthylene | 330 | U | |
| 83-32-9 | Acenaphthene | 330 | U | |
| 132-64-9 | Dibenzofuran | 330 | U | |
| 86-73-7 | Fluorene | 330 | U | |
| 85-01-8 | Phenanthrene | 60 | J | |
| 120-12-7 | Anthracene | 330 | U | |
| 206-44-0 | Fluoranthene | 84 | J | |
| 129-00-0 | Pyrene | 93 | J | |
| 56-55-3 | Benzo[a]anthracene | 38 | J | |
| 218-01-9 | Chrysene | 45 | J | |
| 205-99-2 | Benzo[b]fluoranthene | 88 | J | |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U | |
| 50-32-8 | Benzo[a]pyrene | 38 | J | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 17 | J | |
| 53-70-3 | Dibenz[a,h]anthracene | 330 | U | |
| 191-24-2 | Benzo[g,h,i]perylene | 17 | J | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-1DUP

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279860

Sample wt/vol: 30.07 (g/ml) G Lab File ID: J1876.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|----------|------------------------|-----------------------|---|
| 91-20-3 | Naphthalene | 50 | J |
| 91-57-6 | 2-Methylnaphthalene | 29 | J |
| 208-96-8 | Acenaphthylene | 49 | J |
| 83-32-9 | Acenaphthene | 54 | J |
| 132-64-9 | Dibenzofuran | 50 | J |
| 86-73-7 | Fluorene | 55 | J |
| 85-01-8 | Phenanthrene | 220 | J |
| 120-12-7 | Anthracene | 52 | J |
| 206-44-0 | Fluoranthene | 230 | J |
| 129-00-0 | Pyrene | 280 | J |
| 56-55-3 | Benzo[a]anthracene | 98 | J |
| 218-01-9 | Chrysene | 110 | J |
| 205-99-2 | Benzo[b]fluoranthene | 240 | J |
| 207-08-9 | Benzo[k]fluoranthene | 48 | J |
| 50-32-8 | Benzo[a]pyrene | 110 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 55 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 23 | J |
| 191-24-2 | Benzo[g,h,i]perylene | 55 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-2

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279861

Sample wt/vol: 30.05 (g/ml) G Lab File ID: J1877.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|----------|------------------------|-----------------------|---|
| 91-20-3 | Naphthalene | 56 | J |
| 91-57-6 | 2-Methylnaphthalene | 33 | J |
| 208-96-8 | Acenaphthylene | 19 | J |
| 83-32-9 | Acenaphthene | 61 | J |
| 132-64-9 | Dibenzofuran | 65 | J |
| 86-73-7 | Fluorene | 66 | J |
| 85-01-8 | Phenanthrene | 350 | |
| 120-12-7 | Anthracene | 67 | J |
| 206-44-0 | Fluoranthene | 280 | J |
| 129-00-0 | Pyrene | 270 | J |
| 56-55-3 | Benzo[a]anthracene | 91 | J |
| 218-01-9 | Chrysene | 85 | J |
| 205-99-2 | Benzo[b]fluoranthene | 150 | J |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U |
| 50-32-8 | Benzo[a]pyrene | 55 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 21 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 19 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-3

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279862

Sample wt/vol: 30.11 (g/ml) G Lab File ID: J1878.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | | 330 | U |
| 208-96-8 | Acenaphthylene | | 330 | U |
| 83-32-9 | Acenaphthene | | 330 | U |
| 132-64-9 | Dibenzofuran | | 330 | U |
| 86-73-7 | Fluorene | | 330 | U |
| 85-01-8 | Phenanthrene | | 330 | U |
| 120-12-7 | Anthracene | | 330 | U |
| 206-44-0 | Fluoranthene | | 27 | J |
| 129-00-0 | Pyrene | | 27 | J |
| 56-55-3 | Benzo[a]anthracene | | 330 | U |
| 218-01-9 | Chrysene | | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | | 26 | J |
| 207-08-9 | Benzo[k]fluoranthene | | 330 | U |
| 50-32-8 | Benzo[a]pyrene | | 330 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 330 | U |
| 53-70-3 | Dibenz[a,h]anthracene | | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | | 330 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-4

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279863

Sample wt/vol: 30.13 (g/ml) G Lab File ID: J1879.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | | 330 | U |
| 208-96-8 | Acenaphthylene | | 330 | U |
| 83-32-9 | Acenaphthene | | 330 | U |
| 132-64-9 | Dibenzofuran | | 330 | U |
| 86-73-7 | Fluorene | | 330 | U |
| 85-01-8 | Phenanthrene | | 330 | U |
| 120-12-7 | Anthracene | | 330 | U |
| 206-44-0 | Fluoranthene | | 330 | U |
| 129-00-0 | Pyrene | | 330 | U |
| 56-55-3 | Benzo[a]anthracene | | 330 | U |
| 218-01-9 | Chrysene | | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | | 19 | J |
| 207-08-9 | Benzo[k]fluoranthene | | 330 | U |
| 50-32-8 | Benzo[a]pyrene | | 330 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 330 | U |
| 53-70-3 | Dibenz[a,h]anthracene | | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | | 330 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-5

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279864

Sample wt/vol: 30.19 (g/ml) G Lab File ID: J1880.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------|-----|---|
| 91-20-3 | Naphthalene | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | 330 | U |
| 208-96-8 | Acenaphthylene | 330 | U |
| 83-32-9 | Acenaphthene | 19 | J |
| 132-64-9 | Dibenzofuran | 330 | U |
| 86-73-7 | Fluorene | 20 | J |
| 85-01-8 | Phenanthrene | 41 | J |
| 120-12-7 | Anthracene | 330 | U |
| 206-44-0 | Fluoranthene | 20 | J |
| 129-00-0 | Pyrene | 330 | U |
| 56-55-3 | Benzo[a]anthracene | 330 | U |
| 218-01-9 | Chrysene | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | 330 | U |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U |
| 50-32-8 | Benzo[a]pyrene | 330 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 330 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 330 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-6

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279865

Sample wt/vol: 30.2 (g/ml) G Lab File ID: J1881.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|----------|------------------------|-----------------------|---|
| 91-20-3 | Naphthalene | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | 330 | U |
| 208-96-8 | Acenaphthylene | 17 | J |
| 83-32-9 | Acenaphthene | 24 | J |
| 132-64-9 | Dibenzofuran | 20 | J |
| 86-73-7 | Fluorene | 39 | J |
| 85-01-8 | Phenanthrene | 150 | J |
| 120-12-7 | Anthracene | 34 | J |
| 206-44-0 | Fluoranthene | 150 | J |
| 129-00-0 | Pyrene | 150 | J |
| 56-55-3 | Benzo[a]anthracene | 59 | J |
| 218-01-9 | Chrysene | 56 | J |
| 205-99-2 | Benzo[b]fluoranthene | 100 | J |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U |
| 50-32-8 | Benzo[a]pyrene | 41 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 330 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 330 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-7

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279866

Sample wt/vol: 30.07 (g/ml) G Lab File ID: J1882.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 400 | | |
| 91-57-6 | 2-Methylnaphthalene | 310 | | J |
| 208-96-8 | Acenaphthylene | 59 | | J |
| 83-32-9 | Acenaphthene | 670 | | |
| 132-64-9 | Dibenzofuran | 760 | | |
| 86-73-7 | Fluorene | 690 | | |
| 85-01-8 | Phenanthrene | 2600 | | |
| 120-12-7 | Anthracene | 380 | | |
| 206-44-0 | Fluoranthene | 1400 | | |
| 129-00-0 | Pyrene | 1300 | | |
| 56-55-3 | Benzo[a]anthracene | 440 | | |
| 218-01-9 | Chrysene | 340 | | |
| 205-99-2 | Benzo[b]fluoranthene | 470 | | |
| 207-08-9 | Benzo[k]fluoranthene | 330 | | U |
| 50-32-8 | Benzo[a]pyrene | 170 | | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 50 | | J |
| 53-70-3 | Dibenz[a,h]anthracene | 27 | | J |
| 191-24-2 | Benzo[g,h,i]perylene | 37 | | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-8

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279867

Sample wt/vol: 30.09 (g/ml) G Lab File ID: J1883.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 28 | J |
| 91-57-6 | 2-Methylnaphthalene | | 330 | U |
| 208-96-8 | Acenaphthylene | | 22 | J |
| 83-32-9 | Acenaphthene | | 17 | J |
| 132-64-9 | Dibenzofuran | | 16 | J |
| 86-73-7 | Fluorene | | 15 | J |
| 85-01-8 | Phenanthrene | | 84 | J |
| 120-12-7 | Anthracene | | 28 | J |
| 206-44-0 | Fluoranthene | | 100 | J |
| 129-00-0 | Pyrene | | 150 | J |
| 56-55-3 | Benzo[a]anthracene | | 72 | J |
| 218-01-9 | Chrysene | | 80 | J |
| 205-99-2 | Benzo[b]fluoranthene | | 170 | J |
| 207-08-9 | Benzo[k]fluoranthene | | 330 | U |
| 50-32-8 | Benzo[a]pyrene | | 77 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 31 | J |
| 53-70-3 | Dibenz[a,h]anthracene | | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | | 31 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-8RE

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279867RE

Sample wt/vol: 30.09 (g/ml) G Lab File ID: J2023.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/10/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|----------|------------------------|-----------------------|---|
| 91-20-3 | Naphthalene | 28 | J |
| 91-57-6 | 2-Methylnaphthalene | 330 | U |
| 208-96-8 | Acenaphthylene | 21 | J |
| 83-32-9 | Acenaphthene | 17 | J |
| 132-64-9 | Dibenzofuran | 16 | J |
| 86-73-7 | Fluorene | 13 | J |
| 85-01-8 | Phenanthrene | 84 | J |
| 120-12-7 | Anthracene | 26 | J |
| 206-44-0 | Fluoranthene | 92 | J |
| 129-00-0 | Pyrene | 230 | J |
| 56-55-3 | Benzo[a]anthracene | 66 | J |
| 218-01-9 | Chrysene | 75 | J |
| 205-99-2 | Benzo[b]fluoranthene | 190 | J |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U |
| 50-32-8 | Benzo[a]pyrene | 72 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 40 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 42 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-9

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279868

Sample wt/vol: 30.11 (g/ml) G Lab File ID: J1914.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/04/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 330 | U | |
| 91-57-6 | 2-Methylnaphthalene | 330 | U | |
| 208-96-8 | Acenaphthylene | 35 | J | |
| 83-32-9 | Acenaphthene | 330 | U | |
| 132-64-9 | Dibenzofuran | 330 | U | |
| 86-73-7 | Fluorene | 330 | U | |
| 85-01-8 | Phenanthrene | 45 | J | |
| 120-12-7 | Anthracene | 33 | J | |
| 206-44-0 | Fluoranthene | 330 | U | |
| 129-00-0 | Pyrene | 160 | J | |
| 56-55-3 | Benzo[a]anthracene | 77 | J | |
| 218-01-9 | Chrysene | 120 | J | |
| 205-99-2 | Benzo[b]fluoranthene | 290 | J | |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U | |
| 50-32-8 | Benzo[a]pyrene | 22 | J | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 39 | J | |
| 53-70-3 | Dibenz[a,h]anthracene | 18 | J | |
| 191-24-2 | Benzo[g,h,i]perylene | 30 | J | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-10

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279869

Sample wt/vol: 30.02 (g/ml) G Lab File ID: J1888.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|----------|------------------------|-----------------------|---|
| 91-20-3 | Naphthalene | 31 | J |
| 91-57-6 | 2-Methylnaphthalene | 330 | U |
| 208-96-8 | Acenaphthylene | 330 | U |
| 83-32-9 | Acenaphthene | 330 | U |
| 132-64-9 | Dibenzofuran | 330 | U |
| 86-73-7 | Fluorene | 330 | U |
| 85-01-8 | Phenanthrene | 49 | J |
| 120-12-7 | Anthracene | 330 | U |
| 206-44-0 | Fluoranthene | 63 | J |
| 129-00-0 | Pyrene | 45 | J |
| 56-55-3 | Benzo[a]anthracene | 20 | J |
| 218-01-9 | Chrysene | 21 | J |
| 205-99-2 | Benzo[b]fluoranthene | 33 | J |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U |
| 50-32-8 | Benzo[a]pyrene | 15 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 330 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 330 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-11

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279870

Sample wt/vol: 30.06 (g/ml) G Lab File ID: J1889.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 97 | J |
| 91-57-6 | 2-Methylnaphthalene | | 74 | J |
| 208-96-8 | Acenaphthylene | | 55 | J |
| 83-32-9 | Acenaphthene | | 130 | J |
| 132-64-9 | Dibenzofuran | | 110 | J |
| 86-73-7 | Fluorene | | 130 | J |
| 85-01-8 | Phenanthrene | | 470 | |
| 120-12-7 | Anthracene | | 110 | J |
| 206-44-0 | Fluoranthene | | 370 | |
| 129-00-0 | Pyrene | | 390 | |
| 56-55-3 | Benzo[a]anthracene | | 180 | J |
| 218-01-9 | Chrysene | | 210 | J |
| 205-99-2 | Benzo[b]fluoranthene | | 380 | |
| 207-08-9 | Benzo[k]fluoranthene | | 330 | U |
| 50-32-8 | Benzo[a]pyrene | | 55 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 88 | J |
| 53-70-3 | Dibenz[a,h]anthracene | | 43 | J |
| 191-24-2 | Benzo[g,h,i]perylene | | 88 | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-12

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279871

Sample wt/vol: 30.04 (g/ml) G Lab File ID: J1890.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 17 | J | |
| 91-57-6 | 2-Methylnaphthalene | 330 | U | |
| 208-96-8 | Acenaphthylene | 34 | J | |
| 83-32-9 | Acenaphthene | 22 | J | |
| 132-64-9 | Dibenzofuran | 330 | U | |
| 86-73-7 | Fluorene | 19 | J | |
| 85-01-8 | Phenanthrene | 140 | J | |
| 120-12-7 | Anthracene | 48 | J | |
| 206-44-0 | Fluoranthene | 200 | J | |
| 129-00-0 | Pyrene | 190 | J | |
| 56-55-3 | Benzo[a]anthracene | 89 | J | |
| 218-01-9 | Chrysene | 86 | J | |
| 205-99-2 | Benzo[b]fluoranthene | 170 | J | |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U | |
| 50-32-8 | Benzo[a]pyrene | 84 | J | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 65 | J | |
| 53-70-3 | Dibenz[a,h]anthracene | 23 | J | |
| 191-24-2 | Benzo[g,h,i]perylene | 79 | J | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-13

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279872

Sample wt/vol: 30 (g/ml) G Lab File ID: J1891.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 29 | J | |
| 91-57-6 | 2-Methylnaphthalene | 22 | J | |
| 208-96-8 | Acenaphthylene | 26 | J | |
| 83-32-9 | Acenaphthene | 88 | J | |
| 132-64-9 | Dibenzofuran | 60 | J | |
| 86-73-7 | Fluorene | 92 | J | |
| 85-01-8 | Phenanthrene | 360 | | |
| 120-12-7 | Anthracene | 75 | J | |
| 206-44-0 | Fluoranthene | 370 | | |
| 129-00-0 | Pyrene | 410 | | |
| 56-55-3 | Benzo[a]anthracene | 160 | J | |
| 218-01-9 | Chrysene | 160 | J | |
| 205-99-2 | Benzo[b]fluoranthene | 310 | J | |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U | |
| 50-32-8 | Benzo[a]pyrene | 44 | J | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 59 | J | |
| 53-70-3 | Dibenz[a,h]anthracene | 27 | J | |
| 191-24-2 | Benzo[g,h,i]perylene | 61 | J | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-14

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279873

Sample wt/vol: 30.3 (g/ml) G Lab File ID: J1892.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 770 | | |
| 91-57-6 | 2-Methylnaphthalene | 340 | | |
| 208-96-8 | Acenaphthylene | 78 | | J |
| 83-32-9 | Acenaphthene | 500 | | |
| 132-64-9 | Dibenzofuran | 460 | | |
| 86-73-7 | Fluorene | 630 | | |
| 85-01-8 | Phenanthrene | 1600 | | |
| 120-12-7 | Anthracene | 330 | | |
| 206-44-0 | Fluoranthene | 1200 | | |
| 129-00-0 | Pyrene | 990 | | |
| 56-55-3 | Benzo[a]anthracene | 410 | | |
| 218-01-9 | Chrysene | 300 | | J |
| 205-99-2 | Benzo[b]fluoranthene | 500 | | |
| 207-08-9 | Benzo[k]fluoranthene | 330 | | U |
| 50-32-8 | Benzo[a]pyrene | 160 | | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 72 | | J |
| 53-70-3 | Dibenz[a,h]anthracene | 330 | | U |
| 191-24-2 | Benzo[g,h,i]perylene | 63 | | J |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-1MS

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279859MS

Sample wt/vol: 30.04 (g/ml) G Lab File ID: J1895.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 50 | J | |
| 91-57-6 | 2-Methylnaphthalene | 330 | U | |
| 208-96-8 | Acenaphthylene | 21 | J | |
| 83-32-9 | Acenaphthene | 1700 | | |
| 132-64-9 | Dibenzofuran | 21 | J | |
| 86-73-7 | Fluorene | 18 | J | |
| 85-01-8 | Phenanthrene | 120 | J | |
| 120-12-7 | Anthracene | 24 | J | |
| 206-44-0 | Fluoranthene | 140 | J | |
| 129-00-0 | Pyrene | 1800 | | |
| 56-55-3 | Benzo[a]anthracene | 61 | J | |
| 218-01-9 | Chrysene | 71 | J | |
| 205-99-2 | Benzo[b]fluoranthene | 130 | J | |
| 207-08-9 | Benzo[k]fluoranthene | 330 | U | |
| 50-32-8 | Benzo[a]pyrene | 58 | J | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 33 | J | |
| 53-70-3 | Dibenz[a,h]anthracene | 330 | U | |
| 191-24-2 | Benzo[g,h,i]perylene | 35 | J | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-1MSD

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: 279859MSD

Sample wt/vol: 30.1 (g/ml) G Lab File ID: J1896.D

Level: (low/med) LOW Date Received: 12/22/97

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | | 330 | U |
| 208-96-8 | Acenaphthylene | | 330 | U |
| 83-32-9 | Acenaphthene | | 1600 | |
| 132-64-9 | Dibenzofuran | | 330 | U |
| 86-73-7 | Fluorene | | 330 | U |
| 85-01-8 | Phenanthrene | | 22 | J |
| 120-12-7 | Anthracene | | 330 | U |
| 206-44-0 | Fluoranthene | | 330 | U |
| 129-00-0 | Pyrene | | 1700 | |
| 56-55-3 | Benzo[a]anthracene | | 330 | U |
| 218-01-9 | Chrysene | | 19 | J |
| 205-99-2 | Benzo[b]fluoranthene | | 41 | J |
| 207-08-9 | Benzo[k]fluoranthene | | 330 | U |
| 50-32-8 | Benzo[a]pyrene | | 17 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 330 | U |
| 53-70-3 | Dibenz[a,h]anthracene | | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | | 330 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLANK SPIKE

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: BLANK SPIKE

Sample wt/vol: 30 (g/ml) G Lab File ID: J1910.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/04/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | 330 | | U |
| 91-57-6 | 2-Methylnaphthalene | 330 | | U |
| 208-96-8 | Acenaphthylene | 330 | | U |
| 83-32-9 | Acenaphthene | 1400 | | |
| 132-64-9 | Dibenzofuran | 330 | | U |
| 86-73-7 | Fluorene | 330 | | U |
| 85-01-8 | Phenanthrene | 330 | | U |
| 120-12-7 | Anthracene | 330 | | U |
| 206-44-0 | Fluoranthene | 330 | | U |
| 129-00-0 | Pyrene | 1600 | | |
| 56-55-3 | Benzo[a]anthracene | 330 | | U |
| 218-01-9 | Chrysene | 330 | | U |
| 205-99-2 | Benzo[b]fluoranthene | 330 | | U |
| 207-08-9 | Benzo[k]fluoranthene | 330 | | U |
| 50-32-8 | Benzo[a]pyrene | 330 | | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 330 | | U |
| 53-70-3 | Dibenz[a,h]anthracene | 330 | | U |
| 191-24-2 | Benzo[g,h,i]perylene | 330 | | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLANK SPIKE

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: BLANK SPIKE

Sample wt/vol: 30 (g/ml) G Lab File ID: J1894.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 91-20-3 | Naphthalene | | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | | 330 | U |
| 208-96-8 | Acenaphthylene | | 330 | U |
| 83-32-9 | Acenaphthene | | 1700 | |
| 132-64-9 | Dibenzofuran | | 330 | U |
| 86-73-7 | Fluorene | | 330 | U |
| 85-01-8 | Phenanthrene | | 330 | U |
| 120-12-7 | Anthracene | | 330 | U |
| 206-44-0 | Fluoranthene | | 330 | U |
| 129-00-0 | Pyrene | | 1600 | |
| 56-55-3 | Benzo[a]anthracene | | 330 | U |
| 218-01-9 | Chrysene | | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | | 330 | U |
| 207-08-9 | Benzo[k]fluoranthene | | 330 | U |
| 50-32-8 | Benzo[a]pyrene | | 330 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | | 330 | U |
| 53-70-3 | Dibenz[a,h]anthracene | | 330 | U |
| 191-24-2 | Benzo[g,h,i]perylene | | 330 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

QA/QC

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: QA/QC

Sample wt/vol: 30 (g/ml) G Lab File ID: J1913.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/04/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------|------|--|
| 91-20-3 | Naphthalene | 700 | |
| 91-57-6 | 2-Methylnaphthalene | 700 | |
| 208-96-8 | Acenaphthylene | 730 | |
| 83-32-9 | Acenaphthene | 730 | |
| 132-64-9 | Dibenzofuran | 750 | |
| 86-73-7 | Fluorene | 760 | |
| 85-01-8 | Phenanthrene | 660 | |
| 120-12-7 | Anthracene | 650 | |
| 206-44-0 | Fluoranthene | 660 | |
| 129-00-0 | Pyrene | 790 | |
| 56-55-3 | Benzo[a]anthracene | 730 | |
| 218-01-9 | Chrysene | 680 | |
| 205-99-2 | Benzo[b]fluoranthene | 1000 | |
| 207-08-9 | Benzo[k]fluoranthene | 940 | |
| 50-32-8 | Benzo[a]pyrene | 820 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 450 | |
| 53-70-3 | Dibenz[a,h]anthracene | 470 | |
| 191-24-2 | Benzo[g,h,i]perylene | 360 | |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

QA/QC

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOIL Lab Sample ID: QA/QC

Sample wt/vol: 30 (g/ml) G Lab File ID: J1893.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/26/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------|------|--|
| 91-20-3 | Naphthalene | 780 | |
| 91-57-6 | 2-Methylnaphthalene | 770 | |
| 208-96-8 | Acenaphthylene | 790 | |
| 83-32-9 | Acenaphthene | 790 | |
| 132-64-9 | Dibenzofuran | 790 | |
| 86-73-7 | Fluorene | 830 | |
| 85-01-8 | Phenanthrene | 720 | |
| 120-12-7 | Anthracene | 720 | |
| 206-44-0 | Fluoranthene | 740 | |
| 129-00-0 | Pyrene | 800 | |
| 56-55-3 | Benzo[a]anthracene | 820 | |
| 218-01-9 | Chrysene | 790 | |
| 205-99-2 | Benzo[b]fluoranthene | 1100 | |
| 207-08-9 | Benzo[k]fluoranthene | 900 | |
| 50-32-8 | Benzo[a]pyrene | 860 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 600 | |
| 53-70-3 | Dibenz[a,h]anthracene | 620 | |
| 191-24-2 | Benzo[g,h,i]perylene | 530 | |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-1

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279859

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2863

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/30/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | |
|-----------------------------|------|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 70. | |
| 11096-82-5-----Aroclor-1260 | 140. | |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-1DUP

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279860

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2864

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/30/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|--------------|------|---|
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 55. | |
| 11096-82-5----- | Aroclor-1260 | 140. | |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-2

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279861

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2865

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/30/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Q

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 91. | |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-3

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279862

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HA2866

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/30/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Q

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-4

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279863

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HA2867

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/30/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|--------------|-----|---|
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 33. | U |
| 11096-82-5----- | Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-5

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279864

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HA2868

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-6

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279865

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HA2869

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-7

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279866

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2870

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|--------------|-----|---|
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 33. | U |
| 11096-82-5----- | Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-8

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279867

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2871

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|--------------|-----|---|
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 33. | U |
| 11096-82-5----- | Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-9

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) SOLID Lab Sample ID: 279868

Sample wt/vol: 30.1 (g/mL) G Lab File ID: HA2872

% Moisture: 0. decanted: (Y/N) N Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg Q

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-10

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279869

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2873

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|--------------|-----|---|
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 33. | U |
| 11096-82-5----- | Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-11

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279870

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2874

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | |
|-----------------------------|-------|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 8400. | E |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| | |
|------|----|
| C-11 | DL |
|------|----|

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279870

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2881

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | |
|-----------------------------|--------|---|
| 12674-11-2-----Aroclor-1016 | 1700. | U |
| 11104-28-2-----Aroclor-1221 | 1700. | U |
| 11141-16-5-----Aroclor-1232 | 1700. | U |
| 53469-21-9-----Aroclor-1242 | 1700. | U |
| 12672-29-6-----Aroclor-1248 | 1700. | U |
| 11097-69-1-----Aroclor-1254 | 1700. | U |
| 11096-82-5-----Aroclor-1260 | 13000. | D |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-11A

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-11A

Matrix: (soil/water) SOIL Lab Sample ID: 285748

Sample wt/vol: 30.4 (g/mL) G Lab File ID: HA3605

% Moisture: 0. decanted: (Y/N) N Date Received: 03/17/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/17/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg Q

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-11B

ab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-11A

atrix: (soil/water) SOIL

Lab Sample ID: 285749

ample wt/vol: 30.0 (g/mL) G

Lab File ID: HA3606

% Moisture: 0. decanted: (Y/N) N

Date Received: 03/17/98

xtraction: (SepF/Cont/Sonc) SONC

Date Extracted: 03/17/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 03/26/98

njection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|--------------|-----|---|
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 33. | U |
| 11096-82-5----- | Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-11C

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-11A

Matrix: (soil/water) SOIL

Lab Sample ID: 285750

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: HA3607

% Moisture: 0. decanted: (Y/N) N

Date Received: 03/17/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 03/17/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-11D

ab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-11A

Matrix: (soil/water) SOIL

Lab Sample ID: 285751

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: HA3610

Moisture: 0. decanted: (Y/N) N

Date Received: 03/17/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 03/17/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|--------------|-----|---|
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 33. | U |
| 11096-82-5----- | Aroclor-1260 | 69. | |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-11E

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-11A

Matrix: (soil/water) SOIL

Lab Sample ID: 285752

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA3611

% Moisture: 0. decanted: (Y/N) N

Date Received: 03/17/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 03/17/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Q

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 54. | |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-11F

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-11A

Matrix: (soil/water) SOIL

Lab Sample ID: 285753

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA3612

% Moisture: 0. decanted: (Y/N) N

Date Received: 03/17/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 03/17/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|--------------|-----|---|
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 33. | U |
| 11096-82-5----- | Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-11G

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-11A

Matrix: (soil/water) SOIL Lab Sample ID: 285754

Sample wt/vol: 30.4 (g/mL) G Lab File ID: HA3618

% Moisture: 0. decanted: (Y/N) N Date Received: 03/17/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/17/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg Q

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-12

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279871

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2878

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Q

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 99. | |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-13

Lab Name: ICM Contract:
 Lab Code: ICM Case No.: SAS No.: SDG No.: C-1
 Matrix: (soil/water) SOLID Lab Sample ID: 279872
 Sample wt/vol: 30.1 (g/mL) G Lab File ID: HA2879
 % Moisture: 0. decanted: (Y/N) N Date Received: 12/22/97
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/26/97
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/31/97
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: | | Q |
|-----------------|--------------|----------------------|-------|---|
| | | (ug/L or ug/Kg) | ug/Kg | |
| 12674-11-2----- | Aroclor-1016 | 33. | | U |
| 11104-28-2----- | Aroclor-1221 | 33. | | U |
| 11141-16-5----- | Aroclor-1232 | 33. | | U |
| 53469-21-9----- | Aroclor-1242 | 33. | | U |
| 12672-29-6----- | Aroclor-1248 | 33. | | U |
| 11097-69-1----- | Aroclor-1254 | 33. | | U |
| 11096-82-5----- | Aroclor-1260 | 33. | | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-14

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279873

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2880

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/26/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|--------------|-----|---|
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 33. | U |
| 11096-82-5----- | Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK41

Lab Name: ICM

Contract: :

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: PBLK41

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HA2884

% Moisture: 0. decanted: (Y/N) N

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/30/97 ^{24th}

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Q

| | | |
|-----------------------------|-----|---|
| 12674-11-2-----Aroclor-1016 | 33. | U |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK01

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK01

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2599

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/15/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK02

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK02

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2612

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/16/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO. COMPOUND Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK03

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK03

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2621

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/16/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

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OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK04

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK04

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2634

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/17/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

953

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK05

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK05

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2637

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/17/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK06

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK06

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2651

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/18/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK07

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK07

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2664

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/18/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO. COMPOUND Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK08

Lab Name: ICM Contract:
 Lab Code: ICM Case No.: SAS No.: SDG No.: C-1
 Matrix: (soil/water) WATER Lab Sample ID: PIBLK08
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA2676
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 00/00/00
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 00/00/00
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/19/97
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|------------|--------------------------|--|---|
| 319-84-6 | -----alpha-BHC | .025 | U |
| 319-85-7 | -----beta-BHC | .025 | U |
| 319-86-8 | -----delta-BHC | .025 | U |
| 58-89-9 | -----gamma-BHC (Lindane) | .025 | U |
| 76-44-8 | -----Heptachlor | .025 | U |
| 309-00-2 | -----Aldrin | .025 | U |
| 1024-57-3 | -----Heptachlor epoxide | .025 | U |
| 959-98-8 | -----Endosulfan I | .025 | U |
| 60-57-1 | -----Dieldrin | .050 | U |
| 72-55-9 | -----4,4'-DDE | .050 | U |
| 72-20-8 | -----Endrin | .050 | U |
| 33213-65-9 | -----Endosulfan II | .050 | U |
| 72-54-8 | -----4,4'-DDD | .050 | U |
| 1031-07-8 | -----Endosulfan Sulfate | .050 | U |
| 50-29-3 | -----4,4'-DDT | .050 | U |
| 72-43-5 | -----Methoxychlor | .25 | U |
| 53494-70-5 | -----Endrin ketone | .050 | U |
| 7421-93-4 | -----Endrin aldehyde | .050 | U |
| 5103-71-9 | -----alpha-Chlordane | .025 | U |
| 5103-74-2 | -----gamma-Chlordane | .025 | U |
| 8001-35-2 | -----Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5 | -----Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK09

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK09

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2690

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/19/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.

COMPOUND

Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK10

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK10

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2692

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/21/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

PC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK11

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK11

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2706

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/22/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK12

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK12

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2719

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/22/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK13

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK13

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2731

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/23/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK14

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK14

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2739

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/23/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.

COMPOUND

Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK15

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK15

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2742

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/24/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK16

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK16

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2756

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/25/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK17

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK17

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2770

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/25/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|

| | | |
|----------------------------------|------|---|
| 319-84-6-----alpha-BHC | .025 | U |
| 319-85-7-----beta-BHC | .025 | U |
| 319-86-8-----delta-BHC | .025 | U |
| 58-89-9-----gamma-BHC (Lindane) | .025 | U |
| 76-44-8-----Heptachlor | .025 | U |
| 309-00-2-----Aldrin | .025 | U |
| 1024-57-3-----Heptachlor epoxide | .025 | U |
| 959-98-8-----Endosulfan I | .025 | U |
| 60-57-1-----Dieldrin | .050 | U |
| 72-55-9-----4,4'-DDE | .050 | U |
| 72-20-8-----Endrin | .050 | U |
| 33213-65-9-----Endosulfan II | .050 | U |
| 72-54-8-----4,4'-DDD | .050 | U |
| 1031-07-8-----Endosulfan Sulfate | .050 | U |
| 50-29-3-----4,4'-DDT | .050 | U |
| 72-43-5-----Methoxychlor | .25 | U |
| 53494-70-5-----Endrin ketone | .050 | U |
| 7421-93-4-----Endrin aldehyde | .050 | U |
| 5103-71-9-----alpha-Chlordane | .025 | U |
| 5103-74-2-----gamma-Chlordane | .025 | U |
| 8001-35-2-----Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5-----Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK18

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK18

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2782

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/26/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK19

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK19

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2787

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK20

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK20

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2801

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.

COMPOUND

Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK21

Lab Name: ICM Contract: _____

Lab Code: ICM Case No.: _____ SAS No.: _____ SDG No.: C-1

Matrix: (soil/water) WATER Lab Sample ID: PIBLK21

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA2815

% Moisture: _____ decanted: (Y/N) _____ Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L Q

| | | | |
|------------|---------------------|------|---|
| 319-84-6 | alpha-BHC | .025 | U |
| 319-85-7 | beta-BHC | .025 | U |
| 319-86-8 | delta-BHC | .025 | U |
| 58-89-9 | gamma-BHC (Lindane) | .025 | U |
| 76-44-8 | Heptachlor | .025 | U |
| 309-00-2 | Aldrin | .025 | U |
| 1024-57-3 | Heptachlor epoxide | .025 | U |
| 959-98-8 | Endosulfan I | .025 | U |
| 60-57-1 | Dieldrin | .050 | U |
| 72-55-9 | 4,4'-DDE | .050 | U |
| 72-20-8 | Endrin | .050 | U |
| 33213-65-9 | Endosulfan II | .050 | U |
| 72-54-8 | 4,4'-DDD | .050 | U |
| 1031-07-8 | Endosulfan Sulfate | .050 | U |
| 50-29-3 | 4,4'-DDT | .050 | U |
| 72-43-5 | Methoxychlor | .25 | U |
| 53494-70-5 | Endrin ketone | .050 | U |
| 7421-93-4 | Endrin aldehyde | .050 | U |
| 5103-71-9 | alpha-Chlordane | .025 | U |
| 5103-74-2 | gamma-Chlordane | .025 | U |
| 8001-35-2 | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5 | Aroclor-1260 | .50 | U |

1014

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK22

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK22

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2823

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

PC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO. COMPOUND Q

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK23

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK23

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2833

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK24

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK24

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2847

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/30/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK25

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK25

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2861

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/30/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK26

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK26

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2875

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK27

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK27

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2889

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK28

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK28

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2896

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 01/01/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK29

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK29

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2899

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 01/12/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK30

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK30

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: HA2911

% Moisture: _____ decanted: (Y/N) _____

Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 01/12/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|------|---|
| 319-84-6----- | alpha-BHC | .025 | U |
| 319-85-7----- | beta-BHC | .025 | U |
| 319-86-8----- | delta-BHC | .025 | U |
| 58-89-9----- | gamma-BHC (Lindane) | .025 | U |
| 76-44-8----- | Heptachlor | .025 | U |
| 309-00-2----- | Aldrin | .025 | U |
| 1024-57-3----- | Heptachlor epoxide | .025 | U |
| 959-98-8----- | Endosulfan I | .025 | U |
| 60-57-1----- | Dieldrin | .050 | U |
| 72-55-9----- | 4,4'-DDE | .050 | U |
| 72-20-8----- | Endrin | .050 | U |
| 33213-65-9----- | Endosulfan II | .050 | U |
| 72-54-8----- | 4,4'-DDD | .050 | U |
| 1031-07-8----- | Endosulfan Sulfate | .050 | U |
| 50-29-3----- | 4,4'-DDT | .050 | U |
| 72-43-5----- | Methoxychlor | .25 | U |
| 53494-70-5----- | Endrin ketone | .050 | U |
| 7421-93-4----- | Endrin aldehyde | .050 | U |
| 5103-71-9----- | alpha-Chlordane | .025 | U |
| 5103-74-2----- | gamma-Chlordane | .025 | U |
| 8001-35-2----- | Toxaphene | 2.5 | 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 | .50 | U |
| 11096-82-5----- | Aroclor-1260 | .50 | U |

1042

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-1 MS

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279859

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HA2909

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/30/97 ^{21 Jan 1998}

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 01/12/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 58-89-9----- | gamma-BHC (Lindane) | 13. | |
| 76-44-8----- | Heptachlor | 13. | |
| 309-00-2----- | Aldrin | 15. | |
| 60-57-1----- | Dieldrin | 32. | |
| 72-20-8----- | Endrin | 38. | |
| 50-29-3----- | 4,4'-DDT | 39. | |
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 140. | |
| 11096-82-5----- | Aroclor-1260 | 290. | |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C-1 MSD

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: 279859

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HA2910

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/30/97 ²⁶⁰¹¹¹⁵¹⁵

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 01/12/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 58-89-9----- | gamma-BHC (Lindane) | 11. | |
| 76-44-8----- | Heptachlor | 12. | |
| 309-00-2----- | Aldrin | 12. | |
| 60-57-1----- | Dieldrin | 26. | |
| 72-20-8----- | Endrin | 31. | |
| 50-29-3----- | 4,4'-DDT | 32. | |
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 78. | P |
| 11096-82-5----- | Aroclor-1260 | 170. | |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLK_SP

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: BLK_SP

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HA2901

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/30/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 01/12/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|-----|---|
| 58-89-9----- | gamma-BHC (Lindane) | 19. | |
| 76-44-8----- | Heptachlor | 18. | |
| 309-00-2----- | Aldrin | 17. | |
| 60-57-1----- | Dieldrin | 39. | |
| 72-20-8----- | Endrin | 45. | |
| 50-29-3----- | 4,4' -DDT | 40. | |
| 12674-11-2----- | Aroclor-1016 | 33. | U |
| 11104-28-2----- | Aroclor-1221 | 33. | U |
| 11141-16-5----- | Aroclor-1232 | 33. | U |
| 53469-21-9----- | Aroclor-1242 | 33. | U |
| 12672-29-6----- | Aroclor-1248 | 33. | U |
| 11097-69-1----- | Aroclor-1254 | 33. | U |
| 11096-82-5----- | Aroclor-1260 | 33. | U |

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

QA_QC

Lab Name: ICM

Contract:

Lab Code: ICM

Case No.:

SAS No.:

SDG No.: C-1

Matrix: (soil/water) SOLID

Lab Sample ID: QA_QC

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HA2886

% Moisture: 0. decanted: (Y/N) N

Date Received: 12/22/97

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/30/97

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/31/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Q

| | | |
|-----------------------------|------|---|
| 12674-11-2-----Aroclor-1016 | 340. | |
| 11104-28-2-----Aroclor-1221 | 33. | U |
| 11141-16-5-----Aroclor-1232 | 33. | U |
| 53469-21-9-----Aroclor-1242 | 33. | U |
| 12672-29-6-----Aroclor-1248 | 33. | U |
| 11097-69-1-----Aroclor-1254 | 33. | U |
| 11096-82-5-----Aroclor-1260 | 400. | |

APPENDIX G

Soil Disposal Characterization Sampling Data Package

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 30, 1997

Certified for: NJ, PA, DE, CT, NY (DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 279880
Client: ROUX ASSOCIATES, INC.
Sample source: AMTRAK OU-1/05552Y05
Sample ID: SP-1
Sample date: 12/19/97
Sampled by: Customer
At lab date: 12/22/97
Matrix: SOIL

Batch #: QPC7445
Extraction date: 12/26/97
Weight/Volume: 20g
Dilution Factor: 5

Column used: DB 1701/DB 608
Analysis date: 12/30/97
Final Volume: 50ml
Sample Moisture: 15.69%

| ANALYTE NAME | RESULT UG/KG | METHOD BLANK RESULT UG/KG | PRACTICAL QUANTITATION LIMIT UG/KG | MINIMUM DETECTION LIMIT UG/KG |
|--------------|-----------------|------------------------------------|---|--|
| Aroclor-1016 | U | U | 300 | 150 |
| Aroclor-1221 | U | U | 590 | 420 |
| Aroclor-1232 | U | U | 300 | 240 |
| Aroclor-1242 | U | U | 300 | 150 |
| Aroclor-1248 | U | U | 300 | 180 |
| Aroclor-1254 | U | U | 300 | 210 |
| Aroclor-1260 | 4900 | U | 300 | 240 |

UG/KG = micrograms/kilogram or ppb

Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 30, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 279881
Client: ROUX ASSOCIATES, INC.
Sample source: AMTRAK OU-1/05552Y05
Sample ID: SP-2
Sample date: 12/19/97
Sampled by: Customer
At lab date: 12/22/97
Matrix: SOIL

Batch #: QPC7445
Extraction date: 12/26/97
Weight/Volume: 20g
Dilution Factor: 1

Column used: DB 1701/DB 608
Analysis date: 12/29/97
Final Volume: 10ml
Sample Moisture: 6.88%

| ANALYTE NAME | RESULT UG/KG | METHOD BLANK RESULT UG/KG | PRACTICAL QUANTITATION LIMIT UG/KG | MINIMUM DETECTION LIMIT UG/KG |
|--------------|-----------------|------------------------------------|---|--|
| Aroclor-1016 | U | U | 54 | 27 |
| Aroclor-1221 | U | U | 110 | 75 |
| Aroclor-1232 | U | U | 54 | 43 |
| Aroclor-1242 | U | U | 54 | 27 |
| Aroclor-1248 | U | U | 54 | 32 |
| Aroclor-1254 | U | U | 54 | 38 |
| Aroclor-1260 | 950 | U | 54 | 43 |

UG/KG = micrograms/kilogram or ppb

Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 29, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
Leachate Analysis

Lab Number: 279882
Client: ROUX ASSOCIATES, INC.
Sample source: AMTRAK OU-1/05552Y05
Sample ID: SP-(1-2)
Sample date: 12/19/97
Sampled by: Customer
At lab date: 12/22/97
TCLP Ext. Date: 12/24/97
Results in mg/L.

| Parameter | Sample Result | Method Blank Analysis | Minimum Detection Limit | Dilution Factor | Analysis Date |
|-----------|---------------|-----------------------|-------------------------|-----------------|---------------|
| Cadmium | 0.081 | U | 0.010 | 1 | 12/26/97 |
| Chromium | 0.022 | U | 0.010 | 1 | 12/26/97 |
| Lead | 0.388 | U | 0.050 | 1 | 12/26/97 |

U = Not Detected

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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 29, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY ANALYSIS

All results are reported in mg/kg (ppm) dry weight basis unless otherwise stated.

Lab Number: 279882
Client: ROUX ASSOCIATES, INC.
Sample Source: AMTRAK OU-1/05552Y05
Sample ID: SP-(1-2)
Sample matrix: SOIL
Sample date: 12/19/97
Sampled by: Customer
At lab date: 12/22/97
% Moisture: 9.61%

| PARAMETER | DILUTION FACTOR | RESULT | METHOD BLANK | MINIMUM DETECTION LIMIT | ANALYSIS DATE |
|--------------|--------------------|--------|-----------------|-------------------------------|------------------|
| Oil & Grease | 1 | 1700 | U | 280 | 12/24/97 |

< = Less than
> = Greater than
U= Not detected, NA= Not applicable.

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Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 31, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 280004
Client: ROUX ASSOCIATES, INC.
Sample source: Amtrack S Syd/05552Y05
Sample ID: SP-3
Sample date: 12/22/97
Sampled by: Customer
At lab date: 12/23/97
Matrix: SOIL

Batch #: QPC7443
Extraction date: 12/29/97
Weight/Volume: 30g
Dilution Factor: 10

Column used: DB 1701/DB 608
Analysis date: 12/30/97
Final Volume: 100ml
Sample Moisture: 18.97%

| ANALYTE NAME | RESULT UG/KG | METHOD BLANK RESULT UG/KG | PRACTICAL QUANTITATION LIMIT UG/KG | MINIMUM DETECTION LIMIT UG/KG |
|--------------|-----------------|------------------------------------|---|--|
| Aroclor-1016 | U | U | 410 | 200 |
| Aroclor-1221 | U | U | 820 | 580 |
| Aroclor-1232 | U | U | 410 | 330 |
| Aroclor-1242 | U | U | 410 | 200 |
| Aroclor-1248 | U | U | 410 | 250 |
| Aroclor-1254 | U | U | 410 | 290 |
| Aroclor-1260 | 4400 | U | 410 | 330 |

UG/KG = micrograms/kilogram or ppb

Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 30, 1997

Certified for: NJ, PA, DE, CT, NY (DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 280005
Client: ROUX ASSOCIATES, INC.
Sample source: Amtrack S Syd/05552Y05
Sample ID: SP-4
Sample date: 12/22/97
Sampled by: Customer
At lab date: 12/23/97
Matrix: SOIL

Batch #: QPC7443
Extraction date: 12/29/97
Weight/Volume: 30g
Dilution Factor: 1

Column used: DB 1701/DB 608
Analysis date: 12/29/97
Final Volume: 10ml
Sample Moisture: 7.23%

| ANALYTE NAME | RESULT UG/KG | METHOD BLANK RESULT UG/KG | PRACTICAL QUANTITATION LIMIT UG/KG | MINIMUM DETECTION LIMIT UG/KG |
|--------------|-----------------|------------------------------------|---|--|
| Aroclor-1016 | U | U | 36 | 18 |
| Aroclor-1221 | U | U | 72 | 50 |
| Aroclor-1232 | U | U | 36 | 29 |
| Aroclor-1242 | U | U | 36 | 18 |
| Aroclor-1248 | U | U | 36 | 22 |
| Aroclor-1254 | U | U | 36 | 25 |
| Aroclor-1260 | 24J | U | 36 | 29 |

UG/KG = micrograms/kilogram or ppb

Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 29, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
Leachate Analysis

Lab Number: 280006
Client: ROUX ASSOCIATES, INC.
Sample source: Amtrack OU-1/05552Y05
Sample ID: SP-(3,4)
Sample date: 12/22/97
Sampled by: Customer
At lab date: 12/23/97
TCLP Ext. Date: 12/24/97
Results in mg/L.

| Parameter | Sample Result | Method Blank Analysis | Minimum Detection Limit | Dilution Factor | Analysis Date |
|-----------|---------------|-----------------------|-------------------------|-----------------|---------------|
| Cadmium | 0.068 | U | 0.010 | 1 | 12/26/97 |
| Chromium | U | U | 0.010 | 1 | 12/26/97 |
| Lead | 2.18 | U | 0.050 | 1 | 12/26/97 |

U = Not Detected

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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 29, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY ANALYSIS

All results are reported in mg/kg (ppm) dry weight basis unless otherwise stated.

Lab Number: 280006
Client: ROUX ASSOCIATES, INC.
Sample Source: Amtrack OU-1/05552Y05
Sample ID: SP-(3,4)
Sample matrix: SOIL
Sample date: 12/22/97
Sampled by: Customer
At lab date: 12/23/97
% Moisture: 15.75%

| PARAMETER | DILUTION FACTOR | RESULT | METHOD BLANK | MINIMUM DETECTION LIMIT | ANALYSIS DATE |
|--------------|--------------------|--------|-----------------|-------------------------------|------------------|
| Oil & Grease | 1 | 3840 | U | 300 | 12/24/97 |

< = Less than
> = Greater than
U= Not detected, NA= Not applicable.

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APPENDIX H
Soil Disposal Records

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25918

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST

MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895
Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.
Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)
Telephone Number: 212 630-7695 SIC No. _____
Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.
Tons: 22 Cubic Yards: _____ Other (Specify): _____
Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED
Special Handling Instructions, if any: OPS FILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178M

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/30/98

Signature: [Signature]
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____
COMPANY NAME: TSD
ADDRESS: WAYNE N.J.
Pick-up Date: 1/30/98 Truck No. 31 Vehicle Lic. No. TYE 225

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: RBauer

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-30-98 (DISPOSAL DATE)

Signature of authorized agent and title: [Signature]

CUSTOMER SERVICE 1-800-778-779 INC

914378
DATE: 01/30/98
TIME: 14:29-15:08

CUSTOMER: 665
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0031 WASTE: CON CONTAMINATED SOIL - NATIONAL RAILROAD PASSENGER ORIGIN NEW JERSEY
MANIFEST: 25918
CONTAM. SOIL/SITE CLEA
PCT WGT/VO
100 6560

GROSS: 100160 LBS

TARE: 34560 LBS

NET: 65600 LBS = 32.80 TONS

TONS DUMPED TODAY: 56.40

0015566

REMARKS

PBane

SIGN

I

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25923

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST

MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895

Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.

Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)

Telephone Number: 212 630-7695

SIC No. _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.

Tons: 22 Cubic Yards: _____ Other (Specify): _____

Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED

Special Handling Instructions, if any: OPS FILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/27/98

Signature: As Agent for Amtrak
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____

COMPANY NAME: Coast Line (N/411)

ADDRESS: 3rd St Pa

Pick-up Date: 1/27/98 Truck No. 03 Vehicle Lic. No. AC 317D

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: Steve Z...

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-27-98 (DISPOSAL DATE)

Signature of authorized agent and title: QDHO

CUSTOMER SERVICE 1-800-778-9787

913419
DATE: 01/27/98
TIME: 11:01-12:05

CUSTOMER: 065
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0003 WASTE: CON CONTAMINATED SOIL - MANIFEST: 25923
NATIONAL RAILROAD PASSENGER CONTAM. SOIL/SITE CLEA
ORIGIN PCT WGT/VOI
NEW JERSEY 100 48400

GROSS: 76140 LBS

TARE: 27740 LBS

NET: 48400 LBS = 24.20 TONS

TONS DUMPED TODAY: 162.04

0015566 REMARKS

SIGN

E I

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25914

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895

Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.

Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)

Telephone Number: 212 630-7695 SIC No. _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.

Tons: 22 Cubic Yards: _____ Other (Specify): _____

Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED

Special Handling Instructions, if any: OPS FILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/27/98

As Agent for Amtrak

Signature: [Signature]
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____

COMPANY NAME: Coast Inc. (NYC)

ADDRESS: B, 301 P.

Pick-up Date: 1/27-98 Truck No. 04 Vehicle Lic. No. AC 132C

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: [Signature]

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-27-98 (DISPOSAL DATE)

Signature of authorized agent and title: [Signature]

CUSTOMER SERVICE 1-800-778-4797

913416

DATE: 01/27/98

TIME: 11:18-12:03

CUSTOMER: 665

CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0004

WASTE: CON CONTAMINATED SOIL -

MANIFEST: 25914

NATIONAL RAILROAD PASSENGER CONTAM. SOIL/SITE CLEA

ORIGIN

PCT WGT/VI

NEW JERSEY

100 524

GROSS: 80520 LBS

TARE: 28100 LBS

NET: 52420 LBS = 26.21 TONS

TONS DUMPED TODAY: 137.84

0015566

REMARKS

SIGN

E

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25920

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895

Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.

Pick-up Address 39-29 Honeywell St. Long Island City NY
(No) (Street) (City) (State)

Telephone Number: 212 630-7695 SIC No. _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations

Tons: 22 Cubic Yards: _____ Other (Specify): _____

Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED

Special Handling Instructions, if any: OPS PILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/29/98 As Agent for Amtrak Signature: [Signature]
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____

COMPANY NAME: Coastline

ADDRESS: Bristol R

Pick-up Date: 1/30/98 Truck No. 04 Vehicle Lic. No. AC130E

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: [Signature]

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1/30/98 (DISPOSAL DATE)

Signature of authorized agent and title: [Signature]

G. F. O. W. S., INC.
CUSTOMER SERVICE 1-800-778-9797

914244
DATE: 01/30/98
TIME: 10:20-10:4

CUSTOMER: 665
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0004 WASTE: CON CONTAMINATED SOIL - MANIFEST: 25920
NATIONAL RAILROAD PASSENGER CONTAM. SOIL/SITE CLE
ORIGIN PCT WGT/
NEW JERSEY 100 47

GROSS: 75160 LBS

TARE: 27960 LBS

NET: 47200 LBS = 23.60 TONS

TONS DUMPED TODAY: 23.60

0015566

REMARKS

SIGN

[Signature]

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25931

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST

MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. MD078516895
Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.
Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)
Telephone Number: 212 630-7695 SIC No. _____
Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations
Tons: 22 Cubic Yards: _____ Other (Specify): _____
Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED
Special Handling Instructions, if any: OPS FILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/28/98

Signature: As Agent for Amtrak
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. JA-448
COMPANY NAME: WM Hagerly & Son
ADDRESS: Washington NT
Pick-up Date: 1/28/97 Truck No. #9 Vehicle Lic. No. AB-464-T

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: Rich McGuire

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1/28/98 (DISPOSAL DATE)

Signature of authorized agent and title: Michael J. [Signature]

1-800-776-7776

1990
01/23/90
107-1112

CUSTOMER: 65
CLEAN HARBORS ENVIRONMENTAL-EDISON

RULE 3

PROFILE 738178N

POUR: 0009

WASTE: CON CONTAMINATED SOIL -

MONUMENT: 19901

NATIONAL RAILROAD PASSENGER CONTAM. SOIL/SITE CLEP
ORIGIN PCT WGT/VC
NEW JERSEY 100 6380

GROSS: 89800 LBS

TARE: 26000 LBS

NET: 63800 LBS = 31.90 TONS

TONS DUMPED TODAY: 92.16

0015566

REMARKS

SIGN

Rick

H

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25927

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895
Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.
Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)
Telephone Number: 212 630-7695 SIC No. _____
Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations
Tons: 22 Cubic Yards: _____ Other (Specify): _____
Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED
Special Handling Instructions, if any: OPS PILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/28/98

Signature: As Agent for Amtrak

(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____
COMPANY NAME: HAGGERTY
ADDRESS: WASHINGTON, N.J.
Pick-up Date: 1/28/98 Truck No. 7 Vehicle Lic. No. T202KG

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: George S. Fentz

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1/28/98

(DISPOSAL DATE)

Signature of authorized agent and title: [Signature]

CUSTOMER SERVICE 1-800-778-1104

513741
DATE: 11/29/98
TIME: 12:36-13:00

CUSTOMER: CBE
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0007

WASTE: CON CONTAMINATED SOIL -

MANIFEST: 25927

NATIONAL RAILROAD PASSENGER CONTAM. SOIL/SITE CLEA

ORIGIN

PCT WGT/VOL

NEW JERSEY

100 49140

GROSS: 81520 LBS

TARE: 32380 LBS

NET: 49140 LBS = 24.57 TONS

TONS DUMPED TODAY:

270.96

0015566

REMARKS

SIGN

George F.

L I

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25930

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895

Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.

Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)

Telephone Number: 212 630-7695 SIC No. _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations

Tons: 22 Cubic Yards: _____ Other (Specify): _____

Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED

Special Handling Instructions, if any: OPS PILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/28/98 AS Agent for Amtrak Signature: Paul M. Quinn
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. JA 448

COMPANY NAME: Hopely Trucking

ADDRESS: Washington NJ

Pick-up Date: 1/28/98 Truck No. 197 Vehicle Lic. No. T174 HK1

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: Tom Ross

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1/28/98 (DISPOSAL DATE)

Signature of authorized agent and title: Michael Lab

1-800-778-778

10700
OFF: 11/26/88
TIME: 11:33-12:00

CUSTOMER: 005
CLEAN HARBORS ENVIRONMENTAL-EDISON

WAGON:

PROF: 1. 038172N

TRUCK: 0197

WASTE: CON CONTAMINATED SOIL -

MANIFEST: L5930

NATIONAL RAILROAD PASSENGER CONTAM. SOIL/SITE CLEA

ORIGIN

PCT WGT/VOL

NEW JERSEY

100 49200

GROSS: 01860 LBS

TARE: 32660 LBS

NET: 49200 LBS = 24.60 TONS

TONS DUMPED TODAY: 197.45

0015566

REMARKS

SIGN

Tony Ross

H L

WASTE MANAGEMENT OF PENNSYLVANIA, INC.1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25929

(215) 736-9400

(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS49311. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.Pick-up Address 39-29 Honeywell St. Long Island City NY
(No) (Street) (City) (State)Telephone Number: 212 630-7695 SIC No. _____Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulationsTons: 22 Cubic Yards: _____ Other (Specify): _____Name of Waste NON HAZARDOUS SOIL. NON D.O.T. REGULATEDSpecial Handling Instructions, if any: OPS PILEPROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/28/98Signature: As Agent for Amtrak

(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____

COMPANY NAME: SISK TRUCKING T.A.K.ADDRESS: LAO: N.J.Pick-up Date: 1/28/98 Truck No. 11 Vehicle Lic. No. AC401B

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: Dan Scott

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1/28/98 (DISPOSAL DATE)Signature of authorized agent and title: Michael Fob

913710

DATE: 01/28/98

TIME: 11:40-12:08

CUSTOMER: 003

LEARN HARBORS ENVIRONMENTAL-EDISON

MULLER:

PROFILE: 338170N

TRUCK: 0011

WASTE: CON CONTAMINATED SOIL -

MANIFEST: 35529

NATIONAL RAILROAD PASSENGER

CONTAM. SOIL/SITE CLEA

ORIGIN

PCT WGT/VOL

NEW JERSEY

100 60860

GROSS: 87520 LBS

TARE: 26660 LBS

NET: 60860 LBS = 30.43 TONS

TONS DUMPED TODAY:

146.57

0015566

REMARKS

SIGN

D Sigsb

E L

WASTE MANAGEMENT OF PENNSYLVANIA, INC.1000 New-Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25928

(215) 736-9400

(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST

MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895Company Name: (Print or Type) Antrak National Railroad Passenger Corp.Pick-up Address 39-29 Honeywell St.

(No.)

(Street)

Long Island City

(City)

NY

(State)

Telephone Number: 212 630-7695

SIC No. _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.Tons: 22

Cubic Yards: _____

Other (Specify): _____

Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATEDSpecial Handling Instructions, if any: OPS PILE

PROFILE/WASTE STREAM I.D. NUMBER:

338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/28/98Signature: As Agent for Antrak

(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____

COMPANY NAME: TAK TruckingADDRESS: Lodi, NJPick-up Date: 1/29/98Truck No. 3Vehicle Lic. No. AD 809B

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: [Signature]

3. Disposer of Waste (must be filled-in by disposer)

CIRCLE ONE:

G.R.O.W.S., INC.1513 Bordentown Road
Morrisville, PA 19067
Permit #100148**T.R.R.F.**200 Bordentown Road
Tullytown, PA 19007
Permit #101494Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1/28/98

(DISPOSAL DATE)

Signature of authorized agent and title: [Signature]

G. R. O. W. S., INC.
CUSTOMER SERVICE 1-800-778-9797

913709
DATE: 01/28/98
TIME: 11:38-12:08

CUSTOMER: 665
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0RL5

WASTE: CON CONTAMINATED SOIL -
NATIONAL RAILROAD PASSENGER
ORIGIN
NEW JERSEY

MANIFEST: 25928
CONTAM. 3014/SITE CLEA
PCT WGT/VO
100 5256

GROSS: 78800 LBS

TARE: 26240 LBS

NET: 52560 LBS = 26.28 TONS

TONS DUMPED TODAY: 172.85

0015566

REMARKS

SIGN

H

(215) 736-9400

(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST

MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.Pick-up Address 39-29 Honeywell St. Long Island City NY
(No) (Street) (City) (State)Telephone Number: 212 630-7695 SIC No. _____Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.Tons: 22 Cubic Yards: _____ Other (Specify): _____Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATEDSpecial Handling Instructions, if any: OPS PILEPROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/28/98Signature: AS Agent for Amtrak
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____

COMPANY NAME: Coast LineADDRESS: Bristol PaPick-up Date: 1/28/98 Truck No. 03 Vehicle Lic. No. AC3140

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: [Signature]

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1/28/98 (DISPOSAL DATE)Signature of authorized agent and title: [Signature]

CUSTOMER SERVICE ^{G. R. O. W. S. INC} 1-800-778-9797

013693
DATE: 01/28/98
TIME: 11:09-11:40

CUSTOMER: 565
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0003

WASTE: CON CONTAMINATED SOIL -
NATIONAL RAILROAD PASSENGER
ORIGIN
NEW JERSEY

MANIFEST: 25917
CONTAM. SOIL/SITE CLEA
PCT WGT/VOL
100 47960

GROSS: 76220 LBS

TARE: 28260 LBS

NET: 47960 LBS = 23.98 TONS

TONS DUMPED TODAY: 116.14

0015566

REMARKS

SIGN

Steve L...

H L

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25913

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895

Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.

Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)

Telephone Number: 212 630-7695 SIC No.

Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations:

Tons: 22 Cubic Yards: Other (Specify):

Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED

Special Handling Instructions, if any: OPS FILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/27/98

Signature: As Agent for Amtrak
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No.

COMPANY NAME: TAK Trucking

ADDRESS: Lodi NJ

Pick-up Date: 1/27/98 Truck No. 3 Vehicle Lic. No. AD 891B

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title:

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.B.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-27-98 (DISPOSAL DATE)

Signature of authorized agent and title:

G. R. O. W. S. INC.
CUSTOMER SERVICE 1-800-779-9797

913415
DATE: 01/27/98
TIME: 11:17-12:02

CUSTOMER: 665
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0003

WASTE: CON CONTAMINATED SOIL -
NATIONAL RAILROAD PASSENGER
ORIGIN
NEW JERSEY

MANIFEST: 25913
CONTAM. SOIL/SITE CLEA
PCT WGT/VO
100 4640

GROSS: 72600 LBS

TARE: 26200 LBS

NET: 46400 LBS = 23.20 TONS

TONS DUMPED TODAY: 111.63

0015566

REMARKS

SIGN

E E

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25932

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895

Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.

Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)

Telephone Number: 212 630-7695 SIC No. _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.

Tons: 22 Cubic Yards: _____ Other (Specify): _____

Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED

Special Handling Instructions, if any: OPS FILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/27/98

As Agent for Amtrak

Signature: [Signature]
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. JA-445

COMPANY NAME: TAK/DASH Trucking

ADDRESS: Lodi, N.J.

Pick-up Date: 1-27-98 Truck No. #2 Vehicle Lic. No. AC254T/N

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: [Signature] / Driver

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-27-98 (DISPOSAL DATE)

Signature of authorized agent and title: [Signature]

CUSTOMER SERVICE 1-800-778-5797

913414

DATE: 01/27/98

TIME: 11:16-12:02

CUSTOMER: 665

CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0002

WASTE: CON CONTAMINATED SOIL -

MANIFEST: 25932

NATIONAL RAILROAD PASSENGER

CONTAM. SOIL/SITE CLEA

ORIGIN

PCT WGT/VOL

NEW JERSEY

100 54760

GROSS: 85720 LBS

TARE: 30960 LBS

NET: 54760 LBS = 27.38 TONS

TONS DUMPED TODAY:

88.43

0015566

REMARKS

SIGN

I L

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25916

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895

Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.

Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)

Telephone Number: 212 630-7695 SIC No. _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.

Tons: 22 Cubic Yards: _____ Other (Specify): _____

Name of Waste NON HAZARDOUS SOIL. NON D.O.T. REGULATED

Special Handling Instructions, if any: OPS PILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/27/98

Signature: As Agent for Amtrak
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. JH448

COMPANY NAME: Haggerty Trucking

ADDRESS: Washington N

Pick-up Date: 1/27/98 Truck No. 197 Vehicle Lic. No. T174 H4

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: Tony Ross

3. Disposer of Waste (must be filled-in by disposer) • CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-27-98 (DISPOSAL DATE)

Signature of authorized agent and title: _____

G. P. O. W. S. INC.
CUSTOMER SERVICE 1-800-778-978-

913403

DATE: 01/27/98

TIME: 10:57-11:27

CUSTOMER: 665

CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0197

WASTE: CON CONTAMINATED SOIL -

MANIFEST: 25916

NATIONAL RAILROAD PASSENGER

CONTAM. SOIL/SITE CLEA

ORIGIN

PCT WGT/VOL

NEW JERSEY

100 56600

GROSS: 89080 LBS

TARE: 32480 LBS

NET: 56600 LBS

28.30 TONS

TONS DUMPED TODAY:

61.05

0015566

REMARKS

SIGN

Long Rock

E L

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1080 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25926

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895
Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.
Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)
Telephone Number: 212 630-7695 SIC No. _____
Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.
Tons: 22 Cubic Yards: _____ Other (Specify): _____
Name of Waste NON HAZARDOUS SOIL. NON D.O.T. REGULATED
Special Handling Instructions, if any: OPS FILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/29/98

As Agent for Amtrak

Signature: [Signature]
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____
COMPANY NAME: TSD
ADDRESS: WAYNE N.J.
Pick-up Date: 1/29/98 Truck No. 37 Vehicle Lic. No. AB180N

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: [Signature]

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-29-98 (DISPOSAL DATE)

Signature of authorized agent and title: [Signature]

G. R. O. W. S., INC.
CUSTOMER SERVICE 1-800-778-9797

914020
DATE: 01/29/98
TIME: 12:18-12:49

CUSTOMER: 665
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0037 WASTE: CON CONTAMINATED SOIL - MANIFEST: 25926
NATIONAL RAILROAD PASSENGER CONTAM. SOIL/SITE CLEA
ORIGIN PCT WGT/VOL
NEW JERSEY 100 50100

GROSS: 75400 LBS

TARE: 25300 LBS

NET: 50100 LBS = 25.05 TONS

TONS DUMPED TODAY: 229.75

0015566

REMARKS

SIGN

I L

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25924

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895

Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.

Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)

Telephone Number: 212 630-7695

SIC No. _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.

Tons: 22

Cubic Yards: _____

Other (Specify): _____

Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED

Special Handling Instructions, if any: OPS FILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/29/98

Signature: AS Agent for Amtrak

(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____

COMPANY NAME: TSD

ADDRESS: WAYNE NJ

Pick-up Date: 1/29/98

Truck No. _____

Vehicle Lic. No. T938YL

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: [Signature] (Driver)

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-29-98 (DISPOSAL DATE)

Signature of authorized agent and title: [Signature]

G. R. O. W. E. INC.
CUSTOMER SERVICE 1-800-778-9797

914063
DATE: 01/29/98
TIME: 13:31-14:11

CUSTOMER: 665
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0417

WASTE: CON CONTAMINATED SOIL -
NATIONAL RAILROAD PASSENGER
ORIGIN
NEW JERSEY

MANIFEST: 25924
CONTAM. SOIL/SITE CLEA
PCT WGT/V
100 449

GROSS: 75940 LBS

TARE: 31040 LBS

NET: 44900 LBS

22.45 TONS

TONS DUMPED TODAY: 278.26

0015566

REMARKS

SIGN

[Signature]

WASTE MANAGEMENT OF PENNSYLVANIA, INC.1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25915

(215) 736-9400

(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No.
- NYD078516895

Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)Telephone Number: 212 630-7695 SIC No. _____Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.Tons: 22 Cubic Yards: _____ Other (Specify): _____Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATEDSpecial Handling Instructions, if any: OPS PILEPROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/28As Agent for AmtrakSignature: Muelhe Gorman
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____

COMPANY NAME: Coastline (NHD)ADDRESS: Bristol PaPick-up Date: 1/28/98 Truck No. 041 Vehicle Lic. No. DC 130E

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: [Signature]

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #10149495Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-28-98 (DISPOSAL DATE)Signature of authorized agent and title: [Signature]

G. R. O. W. S., INC.
CUSTOMER SERVICE 1-800-778-9797

913691
DATE: 01/28/93
TIME: 11:04-11:27

CUSTOMER: 665
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0004

WASTE: CON CONTAMINATED SOIL -

MANIFEST: 259156

NATIONAL RAILROAD PASSENGER CONTAM. SOIL/SITE CLEA

ORIGIN

PCT WGT/VOL

NEW JERSEY

100 56660

GROSS: 84840 LBS

TARE: 28180 LBS

NET: 56660 LBS

28.33 TONS

TONS DUMPED TODAY:

60.26

0015566

REMARKS

SIGN

[Signature]

H L

(215) 736-9400

(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)Telephone Number: 212 630-7695 SIC No. _____Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.Tons: 22 Cubic Yards: _____ Other (Specify): _____Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATEDSpecial Handling Instructions, if any: OPS FILEPROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/29/98Signature: As Agent for Amtrak

(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____

COMPANY NAME: T.S.D.ADDRESS: WAYNE NJPick-up Date: 1/29/98 Truck No. 114 Vehicle Lic. No. A-457 J

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: Ruth P. Davis

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordertown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordertown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-29-98 (DISPOSAL DATE)Signature of authorized agent and title: As Agent for Amtrak

CUSTOMER SERVICE 3. R. O. W. 3-778-9757 INC

914019
DATE: 01/29/98
TIME: 12:17-12:49

CUSTOMER: 665
CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0114

WASTE: CON CONTAMINATED SOIL -

MANIFEST: 25925

NATIONAL RAILROAD PASSENGER CONTAM. SOIL/SITE CLEA

ORIGIN

PCT WGT/V

NEW JERSEY

100 492

GROSS: 75600 LBS

TARE: 26320 LBS

NET: 49280 LBS

24.64 TONS

TONS DUMPED TODAY: 204.70

0015566

REMARKS

SIGN

[Signature]

E

WASTE MANAGEMENT OF PENNSYLVANIA, INC.
1000 New Ford Mill Road
Morrisville, PA 19067

Document Refer No. 97 25921

(215) 736-9400
(215) 736-9475 Laboratory

NON-HAZARDOUS WASTE MANIFEST MS4931

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD078516895
Company Name: (Print or Type) Amtrak National Railroad Passenger Corp.
Pick-up Address 39-29 Honeywell St. Long Island City NY
(No.) (Street) (City) (State)
Telephone Number: 212 630-7695 SIC No. _____
Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulation
Tons: _____ Cubic Yards: _____ Other (Specify): _____
Name of Waste NON HAZARDOUS SOIL, NON D.O.T. REGULATED
Special Handling Instructions, if any: OPS FILE

PROFILE/WASTE STREAM I.D. NUMBER: 338178N

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/29/98

Signature: As Agent for Amtrak

(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. _____
COMPANY NAME: TSD
ADDRESS: Wayne NJ
Pick-up Date: 1/29/98 Truck No. 126 Vehicle Lic. No. TJF 179

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: Robert Burr

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., INC.
1513 Bordentown Road
Morrisville, PA 19067
Permit #100148

T.R.R.F.
200 Bordentown Road
Tullytown, PA 19007
Permit #101494

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 1-29-98 (DISPOSAL DATE)

Signature of authorized agent and title: Robert Burr

CUSTOMER SERVICE ^{S.F.C. W.S. NC.} 1-800-778-9797

914107

DATE: 01/29/98

TIME: 14:48-15:27

CUSTOMER: 665

CLEAN HARBORS ENVIRONMENTAL-EDISON

HAULER:

PROFILE: 338178N

TRUCK: 0126

WASTE: CON CONTAMINATED SOIL -

MANIFEST: 25921

NATIONAL RAILROAD PASSENGER

CONTAM. SOIL/SITE CLEA

ORIGIN

PCT WGT/VOL

NEW JERSEY

100 47980

GROSS: 82540 LBS

TARE: 34560 LBS

NET: 47980 LBS = 23.99 TONS

TONS DUMPED TODAY:

302.25

0015566

REMARKS

SIGN

R. Bunn

E E

APPENDIX I

Asphalt and Concrete Disposal Records

☐ Varick Ave.

☐ 73 Place

Waste Management of New York - Hauler Ticket

Date 12-22-97 Manifest # _____ No. 24216

Hauler WM of NY Broker CLEAN Haulers

Amount Hauled 10 yds Dump Site 73 PL

Truck # 244 Trailer # 24
☐ Van ☐ Flatbed

Time Arrived 2:20 Time Departed 3:50

Signature of Supervisor [Signature] Loaded Weight _____

Signature of Driver [Signature] Empty Weight _____

Net Weight _____

NON REDUCTION

☐ Varick Ave.

☐ 73 Place

Waste Management of New York - Hauler Ticket

Date 12-22-97 Manifest # _____ No. 24213

Hauler WM of NY Broker CLEAN Haulers

Amount Hauled 40 yds Dump Site 73 PL

Truck # 244 Trailer # 24
☐ Van ☐ Flatbed

Time Arrived 12:00 ^{0 M LUNCH} Time Departed 2:10

Signature of Supervisor [Signature] Loaded Weight _____

Signature of Driver [Signature] Empty Weight _____

Net Weight _____

NON REDUCTION

AVE.

☐ 73 Place

Waste Management of New York - Hauler Ticket

Date 12-23-97 Manifest # No. 24214
 Hauler CIM of NY Broker Lean Harbors
 Amount Hauled 4040 Dump Site 73 PL
 Truck # 252 Trailer # D19
☐ Van ☐ Flatbed
 Time Arrived 7:05 Time Departed 8:10
 Signature of Supervisor Loaded Weight
 Signature of Driver J.L.B. Empty Weight
Briden Concrete Net Weight

☐ Varick Ave.

☐ 73 Place

Waste Management of New York - Hauler Ticket

Date 12-23-97 Manifest # No. 24218
 Hauler W.M. ET NY Broker CLEAN HARBORS
 Amount Hauled 40405 Dump Site 73 PL
 Truck # 244 Trailer # D4
☐ Van ☐ Flatbed
 Time Arrived 9:00 Time Departed 9:25
 Signature of Supervisor Loaded Weight
 Signature of Driver M.J.B. Empty Weight
 Net Weight

NON REDUCTION

☐ Varick Ave.

☐ 73 Place

Waste Management of New York - Hauler Ticket

Date 12-22-97 Manifest # _____ No. 24210

Hauler City of NY Broker Clean Harbors

Amount Hauled 4 yds Dump Site 73 PL

Truck # 282 Trailer # DM
☐ Van ☐ Flatbed

Time Arrived 2:34 Time Departed 3:00

Signature of Supervisor _____ Loaded Weight _____

Signature of Driver Q. B. Empty Weight _____
Net Weight _____

Broken concrete.

Waste Management of New York - Hauler Ticket

Manifest # _____ No. _____

Hauler NY Broker Clean Harbors

Amount Hauled 4 yds Dump Site 73 PL

Truck # _____ Trailer # 04
☐ Van ☐ Flatbed

Time Arrived 5 Time Departed 7:50

Signature of _____ Loaded Weight _____

Signature of _____ Empty Weight _____

Signature of _____ Net Weight _____

N. REDUCTION

☐ 73 Place

City of New York - Hauler Ticket

17 Manifest # No. 24211

Hauler Limco Inc Broker Chas. H. Kiebas

Amount Hauled 1K GDS Dump Site 73 R

Truck # 252 Trailer # 719
☐ Van ☐ Flatbed

Time Arrived 700 Time Departed 135

Signature of Supervisor [Signature] Loaded Weight

Signature of Driver [Signature] Empty Weight
Net Weight

Wait 15 min for back loading

APPENDIX J
Liquid Disposal Records

ATTN: Larry from: Jeff

WORK ORDER NO. MS4931

DOCUMENT NO. 36301 STRAIGHT BILL OF LADING
TRANSPORTER 1 Clean Harbors Env. Services, Inc VEHICLE ID # TRC 321
EPA ID # MAD039322250 TRANS. 1 PHONE ME 61411
TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

Mail to: National Railroad Passenger Corp.
400 W. 31st. St., 4th floor, NY, NY, 10002

Attn: Rich Mohlenhoff (212) 630-6215

| | | | | | |
|---|-----------|--------------------|---|---------------------------------|----------------|
| DESIGNATED FACILITY <u>Lancaster Oil</u> | | | SHIPPER <u>National Railroad Passenger Corp.</u> | | |
| FACILITY EPA ID # <u>PAD987266749</u> | | | SHIPPER EPA ID # <u>NJD078516895</u> | | |
| ADDRESS <u>1062 Old Manheim Pike</u> | | | ADDRESS <u>39-29 Honeywell St.</u> | | |
| CITY <u>Lancaster</u> | | STATE <u>PA</u> | ZIP <u>17601</u> | CITY <u>Long Island City</u> | |
| STATE <u>NY</u> | | STATE <u>NY</u> | | ZIP <u>11101</u> | |
| CONTAINERS NO. & SIZE | TYPE | HM | DESCRIPTION OF MATERIALS | | UNIT WT/VOL |
| <u>21 x 6000</u> | <u>TT</u> | | <u>AUSED OIL AND WATER</u> <u>(NON D.O.T. REGULATED)</u> | | <u>6</u> |
| | | | B. | | |
| | | | C. | | |
| | | | D. | | |
| | | | E. | | |
| | | | F. | | |
| | | | G. | | |
| | | | H. | | |

SPECIAL HANDLING INSTRUCTIONS

IN CASE OF SPILL, DIKE AND CONTAIN.
IN CASE OF EMERGENCY, CALL: 1-800-645-8265.
DECAL

Stick reading 5 1/4 - 3 1/4
Shipped with BL 36304 Ambroak E/R RE NYM1006

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

| | | |
|--|---------------------------|---------------------|
| SHIPPER <u>As Ag. for Ambroak St. Harbor</u> | SIGN <u>[Signature]</u> | DATE <u>2/11/98</u> |
| TRANSPORTER 1 <u>Richard Engel</u> | SIGN <u>Richard Engel</u> | DATE <u>2/11/98</u> |
| TRANSPORTER 2 | SIGN | DATE |
| RECEIVED BY <u>Jeff Ewan</u> | SIGN <u>[Signature]</u> | DATE <u>2-11-98</u> |

APPENDIX K

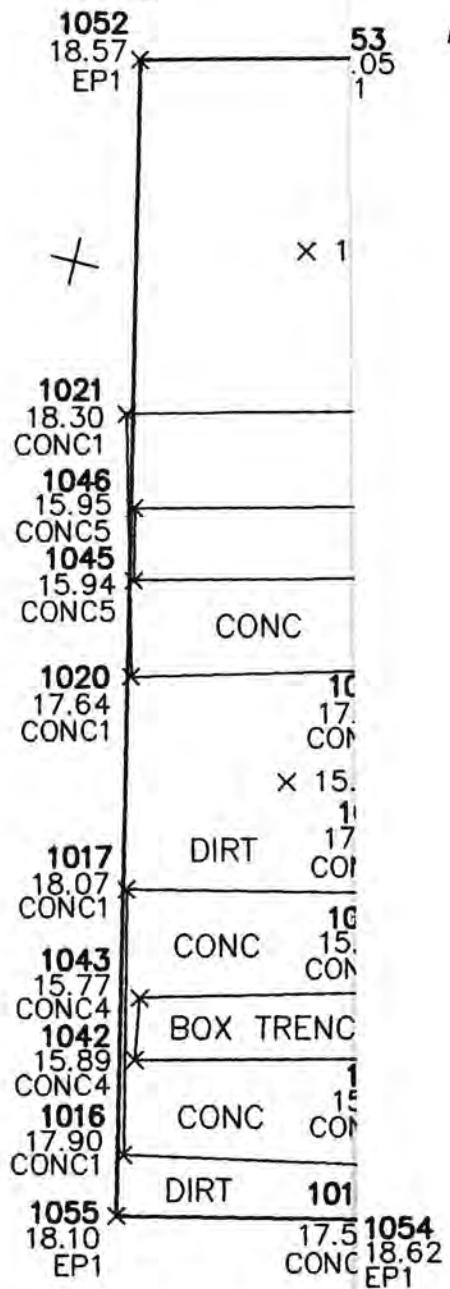
Final Survey

N 212,850

E 1,004,200

E 1,004,300 + N 212,900

N 212,800 +



| LEGEND | |
|---------|------------------|
| EP | EDGE OF PAVEMENT |
| CONC | CONCRETE |
| X 15.35 | SPOT ELEVATION |
| 1054 | POINT # |
| X 18.62 | ELEVATION |
| EP1 | DESCRIPTION |

Topographic Map Prepared by
TOPO-METRICS, INC.
 60 Enter Lane
 HAUPPAUGE, NY 11788



L, RLS

| REVISIONS | | |
|------------|--------|----------|
| REVISION # | DATE | INITIALS |
| #1 | 4-7-98 | JRM |
| | | |
| | | |
| | | |

APPENDIX L

Analytical Data Quality and Usability Evaluation

DATA QUALITY AND USABILITY

An evaluation of the overall quality and usability of the data generated by Industrial Corrosion Management, Inc. (ICM) of Randolph, New Jersey for Operable Unit 1 at Sunnyside Yard, Queens, New York, is addressed below. Fifteen composited concrete chip samples (including one duplicate), seven discrete concrete chip samples, six composited post-remediation soil samples, and six composited stockpile samples were collected. The composited concrete chip samples were analyzed for polycyclic aromatic hydrocarbons (PAHs) (New York State Department of Environmental Conservation [NYSDEC] Analytical Services protocol 'ASP' 95-2), polychlorinated biphenyls (PCBs) (NYSDEC ASP 95-3), and lead (USEPA Contract Laboratory Statement of Work). The discrete concrete chip samples were analyzed for PCBs only (NYSDEC ASP 95-3). The soil samples were analyzed for PAHs using NYSDEC ASP 95-2.

1.0 DATA REVIEW

The data review is presented by sampling parameter and evaluates the following criteria based on the laboratory documentation provided:

- holding times;
- Gas Chromatograph/Mass Spectroscopy (GC/MS) instrument performance check;
- initial calibration;
- continuing calibration;
- blanks;
- surrogate spikes;
- matrix spikes/matrix spike duplicates (MS/MSD) and matrix spike blanks;
- sample duplicates (inorganics);
- laboratory control samples; and
- internal standards.

Data were reviewed for laboratory precision, accuracy, and completeness in accordance with the National Functional Guidelines for Organic Data Review, and the National Functional Guidelines for Inorganic Data Review, as well as the NYSDEC Standard Operating Procedures.

1.1 Polycyclic Aromatic Hydrocarbons

Holding times were met for all sample processing. Initial and continuing calibration standards were within the required limits. Sample matrix spikes and duplicates were performed on samples C-1 and E.W. All recoveries and duplicate correlation values were within recommended limits. The matrix spike blanks were also within the recommended limits. Method blanks and instrument performance checks were compliant with the protocol requirements. Surrogate recoveries and standard area responses/retention times were within the recommended limits with the exceptions noted below.

| Sample Number | Compound (Surrogate) | % Recovery | Control Limits |
|---------------|----------------------|------------|----------------|
| C-12 | 2,4,6-tribromophenol | 6 | 19-122 |
| C-13 | 2,4,6-tribromophenol | 1 | 19 -122 |
| C-14 | 2,4,6-tribromophenol | 12 | 19-122 |
| C-8RE | 2,4,6-tribromophenol | 3305 | 19-122 |
| W.WRE | terphenyl-d14 | 148 | 18-137 |
| C-1DupRE | terphenyl-d14 | 192 | 18-137 |
| C-8RE | terphenyl-d14 | 184 | 18-137 |

Data are not qualified with respect to surrogate recovery unless two or more semivolatile surrogates within the same fraction are out of specification. However, because 2,4,6-tribromophenol was recovered at less than 10 percent in samples C-12 and C-13, only the acid extractable compounds need to be qualified. As the acid extractable compounds are not required for this project, no action is required.

The semivolatile analysis of samples W.W, C-1Dup and C-8 produced depressed responses for internal standards indicating a matrix effect. These samples were reanalyzed and produced the same depressed responses. Detected values for these samples should be qualified as estimated and reported detection limits for these samples should be considered estimated, possibly biased low.

1.2 Polychlorinated Biphenyls

Holding times were met for all sample processing. Method blank, initial and continuing calibration standards were compliant with protocol requirements. Sample matrix spikes and duplicates were performed on samples C-1 and C-11C. All recoveries and duplicate correlation values were within recommended limits in sample C-1. In C-11C, all recoveries and duplicate correlation values were within recommended limits with the following exceptions.

| Sample Number | Analyte | Percent Recovery | Control Units |
|---------------|------------|------------------|---------------|
| C-11C | Aldrin | 135 (MS) | 34-132 |
| C-11C | Endrin | 30 (MS) | 42-139 |
| C-11C | 4,4'-DDT | 136 (MS) | 23-134 |
| C-11C | Heptachlor | 34 (MSD) | 35-130 |

Matrix spike blank and quality control check standard recoveries were within the required range. Surrogate standard recoveries met protocol requirements with the exceptions provided below.

| Sample | Compound | % Recovery | Control Limits |
|--------|----------------------------|------------|----------------|
| C-4 | Tetrachloro-m-xylene (TCX) | 189 | 30-150 |
| | Decachlorobiphenyl (DCB) | 158 | 30-150 |
| C-9 | TCX | 158 | 30-150 |
| C-11DL | DCB | 0/4410* | 30-150 |
| C-13 | DCB | 163/153* | 30-150 |
| | TCX | 173/184* | 30-150 |

* Both columns

The high recoveries of these surrogates indicates a high bias due to co-eluting interferences. All detected PCBs in the samples listed above are qualified as estimated; nondetects are not qualified.

1.3 Lead

All protocol requirements for sample processing and quality control were evaluated and were found to be compliant and acceptable.

2.0 OVERALL DATA QUALITY/USABILITY ASSESSMENT

Based upon the evaluation of the data, and a review of laboratory and field quality assurance/quality control, the chemical data generated have generally met the data quality objectives established for the sampling.

2.1 Precision

The overall precision review was based upon laboratory and field duplicate samples. It should be noted that the results are expected to exhibit variability due to the difficulty in collecting identical field samples based on the concrete chips being intact. A review of laboratory duplicate samples, as measured by the sample duplicate (lead) and MS/MSD results demonstrates adequate reproduction of all sample results when detectable concentrations of analytes were present.

A review of field duplicate results demonstrates that acceptable precision was determined where sample concentration exceeded five times the Contract Required Quantitation/Detection Limit. For PCBs, the Relative Percent Difference for duplicate sample C-1 was 24% for Aroclor-1254 which indicates adequate duplication.

2.2 Accuracy

The accuracy of the chemical data generated was reviewed based on the results for holding times, laboratory control samples, calibration criteria, spiked samples, and surrogate standards. Based upon this review, the accuracy of the chemical analyses is acceptable.

2.3 Completeness

The data completeness as measured by the percentage of overall usable data is considered acceptable based on the data review.