GT ENGINEERING

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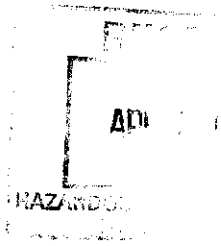
INTERIM REMEDIAL MEASURES NO. 1 REPORT
PEERLESS PHOTO PRODUCTS SITE
(ID NO. 1-52-031)
ROUTE 25A AND RANDALL ROAD
SHOREHAM, NEW YORK



Fluor Daniel GTI Project: 011100486

February 24, 1998

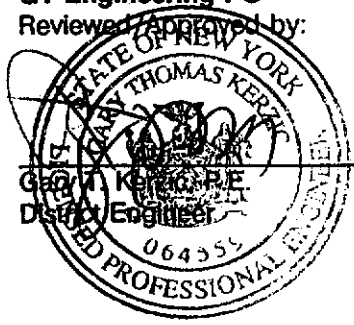
Prepared for:
Agfa Division of Bayer Corporation
100 Challenger Road
Ridgefield Park, NJ 07660

Prepared by:
GT Engineering PC
1245 Kings Road
Schenectady, NY 12303

Fluor Daniel GTI, Inc.
Submitted/Prepared by:

Joseph L. Basile, Jr.
Senior Project Manager
Senior Hydrogeologist

GT Engineering PC
Reviewed/Approved by:



Gary T. Kerzic, P.E.
District Engineer

New York State Department of Environmental Conservation
Division of Environmental Remediation - Region 1
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Phone (516) 444-0243
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John P. Cahill
Commissioner

March 17, 1998

Post-It® Fax Note 7671	Date 3/17/98	# of pages ▶ 1
To Joe Basile, Jr.	From Girish Desai	
Co./Dept. Fluor Daniel GTI	Co. NYSDEC	
Phone #	Phone #	
Fax #	Fax #	

Mr. Joseph Basile, Jr.
Senior Project Manager
Fluor Daniel GTI, Inc.
1245 Kings Road
Schenectady, NY 12304

Subject: Interim Remedial Measure (IRM) No.1 Report
Peerless Photo Site I.D. # 152031

Dear Mr. Basile:

The New York State Department of Environmental Conservation (Department) staff has reviewed above referenced IRM No.1 report for Peerless Photo product site dated February 24, 1998 and find it acceptable.

If you have any questions, please contact me at (516) 444- 0243.

Sincerely,

Girish Desai

Girish Desai
Environmental Engineer 1

cc: R. Beceherer
C. Graff, Agfa

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MEMORANDUM

TO: Mr. Girish V. Desai, Project Manager
Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
SUNY at Stonybrook - Building # 40
Stonybrook, New York 11790-2356

Cc: S. Davis, Huber Lawrence & Abell, New York, NY
C. Graff, Agfa Division of Bayer Corporation, Ridgefield Park, NJ
File: JLB/01110-0486 (reports)

FROM: Joseph L. Basile, Jr.
Senior Project Manager
Fluor Daniel GTI, Inc.
1245 Kings Road
Schenectady, NY 12304 Email: jbasile@gtionline.com

SUBJ: **Submission of the Interim Remedial Measures No. 1 Completion Report**
Peerless Photo Products Site (I.D. No. 1-52-031)
Shoreham, New York

DATE: February 25, 1998 (Wednesday)

TRANS: Airborne Express, Next Business Morning Delivery

Dear Mr. Desai,

Enclosed please find one (1) copy of the above referenced report for your review and approval. The Interim Remedial Measures (IRM) completed at the above referenced site, were done so in accordance with the July 25, 1996 IRM No. 1 Work Plan approved by the New York State Department of Environmental Conservation on October 15, 1996.

This report as been prepared in accordance with the IRM No. 1 Work Plan, and as required, has been reviewed and sealed by a New York State Licenced Professional Engineer (P.E.), qualified and approved by the New York State Education Department.

If you have any questions regarding this report, please do not hesitate to contact me at your convenience at (518) 370-5631, or Charlene Graff, Agfa, at (201) 440-0111, extension 4613. Upon your review and approval, the report will be distributed to the balance of the project distribution list as the Department deems appropriate.

As always, Agfa Fluor Daniel GTI, and GT Engineering, PC appreciate the Department's assistance with this site.

Sincerely,

Joseph L. Basile, Jr.
Senior Project Manager
Senior Hydrogeologist

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APPENDIXES

1.0 INTRODUCTION

GT Engineering PC, on behalf of Agfa Division of Bayer Corporation (Agfa), has prepared this Interim Remedial Measures (IRM) No. 1 Report for the Peerless Photo Products site owned by Agfa, and referred to herein as the "site." GT Engineering PC is a company affiliated with Fluor Daniel GTI, Inc. (Fluor Daniel GTI) and licensed by the New York State Education Department to perform engineering services. The site is located at Route 25A and Randall Road in Shoreham, New York (see figure 1, Site Location Map). The IRM program was implemented in accordance with the IRM No. 1 Work Plan dated July 25, 1996, which was approved by the New York State Department of Environmental Conservation (NYSDEC) in correspondence to Fluor Daniel GTI, Inc. (Fluor Daniel GTI) dated October 15, 1996.

The site was characterized as a Class 2 Inactive Hazardous Waste Disposal Site under the New York State Superfund Program (ID No. 1-52-031). This IRM program was undertaken pursuant to the "spirit" of the New York State Department of Environmental Conservation (NYSDEC) Order on Consent W-10428-89-07 voluntarily entered into by Agfa on August 17, 1991; the results of the Phase 1 Remedial Investigation (RI); various meetings; and correspondence received from and provided to the NYSDEC and other regulatory agencies. Further, the general guidelines established by the following NYSDEC Technical and Administrative Guidance Memorandums (TAGMs) were used to implement the field activities as well as prepare the IRM No. 1 Report:

- HWR-92-4042, entitled "*Interim Remedial Measures*", dated June 1, 1992, and
- HWR-92-4048, entitled "*Interim Remedial Measures - Procedures*", dated December 9, 1992

The proposed IRM No. 1 program was developed to address two discrete areas of the site, that, based upon the data collected as part of the Phase 1 RI, could be remediated and/or closed in a regulatory, expeditious, time efficient, and cost effective fashion.

The Phase 1 RI results, conclusions, and recommendations were forwarded to the NYSDEC and other regulatory agencies in a report prepared by GT Engineering PC entitled, "Phase 1 Remedial Investigation Report, Peerless Photo Products Site (ID No. 1-52-031), Route 25A and Randall Road, Shoreham, New York," dated June 16, 1995. Comments on the Phase 1 RI report were provided by

the NYSDEC to Agfa in correspondence dated September 29, 1995. Responses to the NYSDEC commerits were presented to the NYSDEC on November 16, 1995, in a meeting at their offices in Stony Brook, New York. During the course of that meeting, all parties present agreed that selected areas of the site should be further investigated as part of a Phase 2 RI as proposed by Agfa, and that three subject areas (two of which are identified below), would be candidates for an Interim Remedial Measure. This report summarizes the performance of that Interim Remedial Measure Program.

1.1 Areas of Potential Concern to Be Addressed via an IRM

As defined in the Phase 1 RI Report, GT Engineering PC investigated and reported on 12 Areas of Potential Concern (APCs) and site-wide groundwater quality. The Phase 1 RI report concluded that of the 12 APCs investigated, 5 required no further action; 3 would be addressed by an Interim Remedial Measure; 2 would be addressed during the feasibility study; and 2 APCs and site-wide groundwater quality required further investigation as part of a Phase 2 RI program (figure 2, Site Map). The five APCs which required further investigation were addressed via the implementation of the approved Phase 2 RI Work Plan dated May 17, 1996, the report of which, was submitted to the NYSDEC on November 22, 1996. The APCs that will be addressed as part of the IRM No. 1 program, and which are the subject of this report are:

- APC No. 8: Emulsion Building Sump
- APC No. 9: Water Meter Room Pit

The third APC, APC No. 6 - West Soil Storage Area, was deferred from IRM status, and has been addressed via the Feasibility Study.

1.2 Purpose and Objectives of IRM No. 1

The purpose of the IRM No. 1 program was to complete an appropriate remedial action at each APC so that they are not considered to have a potential or perceived impact on human health and the environment, at or in the vicinity of the subject site. It was Agfa's intent that the stated IRMs also serve as the final remedy for these areas and, therefore, no further remediation of the APCs would be required.

Project-specific objectives for the IRM No. 1 program included:

- Abandon the selected Phase 1 RI installed boring (SB-20) in the APC No. 8 area, so that surface waters/building condensation could infiltrate the bore hole.

- Remove soils/residual materials from the Water Meter Room Pit, so that no further action at this APC is required.

- Collect sufficient end point sampling data during the Water Meter Room Pit removal action area in order to document that interim remedial objectives had been achieved, and therefore, if such objectives were achieved that the IRMs would serve as the final remedy for the addressed APCs.

1.3 IRM No. 1 Work Scope Summary

The IRM No. 1 program consisted of implementing a targeted excavation and bore hole abandonment program using invasive remedial techniques, and the preparation of this report. The following is a brief synopsis of each IRM No. 1 activity:

- ***APC No. 8:*** The SB-20 boring (located in the interior of the main plant), completed as part of the Phase 1 RI program, and which constitutes APC No. 8, was backfilled with a bentonite grout material, and the opening in the floor plugged with concrete. The concrete plug was troweled flush to grade and coated with an impermeable floor sealing material.

- ***APC No. 9:*** The industrial process residue within APC No. 9, Water Meter Room Pit, was removed and the sump pit was cleaned of all loose material. The pit was dismantled and soils from beneath the pit were removed in two stages. Two excavation end point samples were collected from the area (one from each of the two removal actions completed). The excavation was backfilled with clean fill, capped with cement, and an impermeable floor sealing material was applied over the cement.

1.4 Professional Engineer Oversight and Certification

A New York State registered Professional Engineer (P.E.), or his designated representative completed an inspection of each IRM program while it was being implemented. The P.E. or his representative observed a portion of the IRM field activities to insure that the tasks were being completed in accordance with the approved IRM No. 1 work plan. The P.E. or his representative kept appropriate field notes to document the IRM activities. In addition, the P.E. has reviewed and sealed this IRM No. 1 completion report.

1.5 Site Description

The site is located in the village of Shoreham, in the town of Brookhaven, Suffolk County, New York (figure 1). The site is bordered to the south by Route 25A (also known as the Port Jefferson-Riverhead Road), to the west by Randall Road, to the north by residences and the LILCO Right-of-Way, and to the east by Tesla Street and residential properties.

The site is located in a predominantly residential area. Retail establishments are located to the east and west along Route 25A. Immediately to the north, the site is bordered and overlapped by a LILCO Right-of-Way containing high voltage transmission lines. The Suffolk County Water Authority, Briarcliff Road public supply well field (formerly owned by Shorewood Water Supply Company), is located approximately 600 feet northwest of the site. The site is enclosed by a 6-foot-high chain-link fence and is guarded 24 hours per day. The perimeter of the fenced area is inspected daily.

Structures on the 16.2-acre site include the main plant on the northeastern corner of the site, Building 13 (an administration building) on the southern area of the site, the administration building (Building 17) and wastewater treatment facility (Building 14) on the southwestern corner of the site, a gatehouse at the entrance on the western side of the site, and two small storage sheds on the southwestern corner of the main plant. Parking lots are located adjacent to the administration building, and roadways lead to the buildings. The former wastewater treatment plant recharge basins are located along the northern side of the site beneath LILCO's transmission lines. Figure 2 illustrates significant site features.

The main plant consists of 13 interconnected buildings. The majority of the main plant was either constructed before 1955 or between 1973 and 1984. The use of each building has varied over time. Building 18 is a three-story building with a small laboratory and storage rooms on the first floor and equipment rooms on the second and third floors. Building 4, located at the northeastern corner of the main plant, housed offices and quality assurance laboratories. Building 10, located in the north-central portion of the main plant structure, was a maintenance building with machine shops and offices. Building 16, located on the southern side of Building 10, housed shop areas and a large boiler. The use of onsite buildings varied over time and potentially included combinations of processing operations.

2.0 INTERIM REMEDIAL MEASURES NO. 1 PROCEDURES

The field program which was implemented during the IRM No. 1 activities is detailed below.

2.1 APC No. 8: Emulsion Building Sump Boring Abandonment

2.1.1 Background

During the completion of the Phase 1 RI program, a boring, SB-20, was completed in the building interior at the location of the former Emulsion Building Sump. In accordance with the provisions of the Phase 1 RI Work Plan, the boring was not backfilled when completed. Instead, a locking four-inch "J" plug was installed in the boring opening. The total depth of this boring, as determined during a June 5, 1996 site visit was 11.5 feet below grade. The following section details the procedures used to implement the APC No. 8 IRM activity.

2.1.2 Borehole Abandonment Procedures

An exclusion/hard hat zone was established, and a health and safety tailgate meeting conducted prior to the commencement of field work. All drilling health and safety procedures, air monitoring requirements, and inspection procedures were reviewed. Given that this work was done on the interior of the building, rigorous monitoring was performed.

Bentonite pellets were placed in the borehole in one foot lifts. The thickness of the lifts were determined by using a weighted tape measure that was lowered down the borehole. Once the proper thickness of the bentonite pellets was emplaced, approximately 1 gallon of water was added to the borehole to activate the material as per manufacturer's instructions (Bentonite pellets absorb the water and swell to approximately 5 times their original size). At the conclusion of approximately 15 to 20 minutes from the time the water was added to the pellets, the weighted tape was again lowered into the borehole to determine if in fact the pellets had expanded. These steps were repeated until the borehole had been filled to approximately 1 foot below grade.

Once the bentonite was emplaced, a concrete plug was installed above the bentonite and troweled flush to grade. After the concrete was emplaced, a Fluor Daniel GTI technician returned to the area on April 2, 1997 and inspected the borehole. No settling occurred and the area around the borehole was painted with a gray, epoxy floor sealing paint.

2.2 APC No. 9: - Water Meter Room Pit Demolition and Removal

2.2.1 Background

The Water Meter Room Pit is designated APC No. 9 and located within the interior of the main plant building, where a collection pit (sump) for former process waters were located. The water was then piped to the plant's waste water treatment facility for processing. The room in which the sump/pit is located also contains the facility water meter, hence the name "water meter room pit". This pit was denoted for investigation based upon a 1992 inspection of the facility by various Agfa, NYSDEC and Suffolk County Department of Health Services (SCDHS) personnel. During the Phase 1 RI program, residual materials found in the base of the sump were sampled (sample ID SB-21). The results of the sampling indicated that residual concentrations of target compounds were present in the materials. Further, the drain lines which terminated within the pit were subject to closure procedures (plugged and capped) as part of the completion of the Class V Injection Well Clean out and Closure program completed in 1994.

The pit was constructed of 8" concrete block and mortar and its dimensions were approximately 3' x 2' x 3'. A total of 5, 2" copper pipes, 4, 1" copper pipes, and 3, 6" carbon steel pipes/ drains terminated in the interior of the pit. A flat, 1/4" steel plate was used to cover the pit.

2.2.2 Demolition and Removal Procedures

On October 30 and 31, 1996 demolition and removal of the water meter room pit was completed. The work was periodically inspected by an on-site NYSDEC representative. An exclusion/hard hat zone was established, and a health and safety tailgate meeting conducted prior to the commencement of the IRM activity. All excavation health and safety procedures, air monitoring requirements, and inspection procedures were reviewed. Given the low ceiling heights present in portions of the water meter pit room, all low overhangs and overheads were flagged as needed and pointed out to all workers prior to the commencement of demolition activities.

In addition, hard hats were worn at all times, as were face shields, protective gloves and outer clothing (tyvek suits, as needed). An exclusion zone was set up and began at the room entrance. No personnel were allowed to enter the exclusion zone during IRM activities unless they are wearing at a minimum, modified level D (hard hats, steel toe boots, tyvek overalls, inner and outer gloves) apparel, and a chip resistant face shield. During cleaning and demolition activities, full face respirators, equipped with dust filtration were worn by all workers in the room. In addition, proper hearing protection was also employed.

Prior to demolition, the residual material in the pit was shoveled out and placed in a proper container pending disposal. Once the materials were removed, the piping which terminated in the pit was cut back flush with the room walls and capped. The pit interior drains were cutoff flush with the pit sides and their interiors were filled with a concrete plug. All piping was placed in a holding container pending disposal. The surface of the concrete block, which comprised the pit interior was "faced" with a cold chisel, hammer and other abrasives. This spalled material was also placed in the residual material holding container. Following this procedure, the pit was demolished using an air powered jack hammer and the base of the pit was also razed. The demolition debris was containerized.

Once the sub-base material which underlies the pit was exposed, approximately one (1) foot of this material was removed. An endpoint sample was collected from the sub-base material, and submitted for analysis as specified in the IRM No. 1 Work Plan. The results of the endpoint sampling program are detailed in section 3.0 of this report.

Upon receipt of the endpoint sampling results, they were reviewed, and submitted to the NYSDEC in correspondence from Fluor Daniel GTI dated January 31, 1997. In brief, the results indicated that residual concentrations of target compounds and analytes were still present in the pit subbase materials, but at greatly reduced concentrations when compared to the residual material analytical results reported in the Phase 1 RI Report. Based on this data, it was recommended that additional sub-base material be removed, and another endpoint sample collected. The NYSDEC approved the additional removal action via teleconference with Fluor Daniel GTI.

On February 7 1997, additional subbase material was removed from the base of the razed water meter room pit. The material was containerized with the previously removed sub-base material. Following the excavation, additional endpoint samples were collected from the pit bottom in accordance with the procedures of the approved IRM No. 1 Work Plan. In all, approximately ½ cubic yard of sub-base material was removed from the pit bottom inclusive of both removal actions.

The results of the second endpoint sampling data were received, reviewed and forwarded to the NYSDEC in correspondence from Fluor Daniel GTI dated March 6, 1997. The NYSDEC reviewed the documentation, and requested that additional information be submitted with the second endpoint sampling data. On March 18, 1997, Fluor Daniel GTI submitted the requested information, which was comprised of a comparison of both endpoint sampling results to NYSDEC Soil Cleanup Objectives (Draft TAGM HWR 95-4046, dated April 1995). The second endpoint sampling results indicated that target compounds had been further reduced in concentration.

On March 20, 1997, NYSDEC contacted Fluor Daniel GTI, and gave permission via a telecommunication to backfill the pit and complete the IRM activity. This telecommunication was memorialized in correspondence to Agfa dated March 20, 1997. On March 28, 1997, the pit excavation was backfilled in accordance with the procedures detailed in the July 31, 1996 IRM No. 1 Work Plan. The excavation was backfilled with clean-fill, and a concrete cap was installed and troweled flush to surrounding grade. On April 2, 1997, the pit area was reinspected, and the concrete cap was sealed with a gray, epoxy floor sealing paint.

2.2.3 *Endpoint Sample Collection*

Agfa collected the two post-excavation composite samples from the base of the razed water meter room pit using a stainless steel trowel, as noted above. The samples were comprised of soil collected from five (5) locations within the base of the excavation namely; the four pit side walls and from the midline of the pit floor. The soil sample was collected in accordance with the general soil sampling procedures stated in the Phase 1 RI Work Plan and the Field Sampling Plan (FSAP). The general soil sampling procedures detailed in Section 4.3.4 of the Phase 1 RI/FS Work Plan were followed as applicable. The samples were placed in the requisite soil sampling containers and submitted to the designated laboratory. The stainless steel trowel was decontaminated (as applicable) in accordance with the procedures detailed in Section 4.3.4.1 of the Phase 1 RI Work

Plan, and applicable FSAP guidelines. The excavated soils and demolition debris were placed in a designated on-site area, and managed as described in Section 6.0, Transportation and Disposal of IRM-Derived Waste of the IRM No. 1 Work Plan.

Each soil sample collected was submitted to the project designated laboratory in accordance with the provisions of the QAPP. All samples collected were analyzed for the full NYSDEC Analytical Services Protocol (ASP) Target Compound List/Target Analyte List (TCL/TAL) constituents. All sample analyses were completed in conformance with the protocols and procedures detailed in the Quality Assurance Project Plan (QAPP). Samples were analyzed in accordance with NYSDEC ASP-Contract Laboratory Protocol (CLP) documentation dated December 1991.

2.2.4 Laboratory Analytical Quality Assurance/Quality Control

The QAPP, dated September 30, 1993, and prepared in support of the Phase 1 RI program was followed by the laboratory as applicable during the implementation of the IRM No. 1 Work Plan. Specifically, all laboratory protocols, detection limits, and laboratory and internal data validation procedures were followed. All samples submitted for analysis during the IRM No. 1 program were as previously stated, analyzed in accordance with NYSDEC ASP-CLP documentation dated December 1991. All samples were sent via courier to the project designated laboratory, NyTest Environmental Laboratories (NyTest), located in Port Washington, New York. NyTest is no longer in business.

2.2.5 External Third-Party Data Validation

All media sample data from the IRM No. 1 program was submitted to the project-designated, third-party data validation firm, Chemworld Environmental, Inc. (CEI). Data validation was done in accordance with the specifications detailed in Section 10.0 of the QAPP. The complete data validation report is included as appendix B.

2.3 Equipment Decontamination

Equipment decontamination was conducted in accordance with procedures detailed in the FSAP and Phase 1 RI Work Plan. The fenced area proximate to the Wastewater Treatment Plant (ECOPlant) was again used to stage decontamination equipment, the designated decontamination

area, and excavation supplies. The previously established potable water source was used to supply all decontamination wash waters and fluids. Given that this water source had already been sampled, confirmatory potable water source and equipment sampling was not performed. Also, deionized water (lab grade) was used as the final equipment rinsate, as needed.

2.4 Site Health and Safety Program

All field work was performed in accordance with the established site-specific Health and Safety Plan (HASP) dated September 30, 1993, and as augmented in each APC IRM "methods" section of the IRM No. 1 Work Plan. The HASP was prepared in support of the Phase 1 RI program. The HASP was developed in conformance with the Occupational Safety and Health Administration (OSHA) requirements that are found in Title 29 of the Code of Federal Regulations, Section 1910.120. The purpose of the HASP was to establish procedures to protect the health and welfare of both investigative personnel and the surrounding community during the implementation of this IRM program. All action levels, monitoring procedures, and requirements implemented as part of the Phase 1 and 2 RI programs remained in force.

2.5 Management of Excavation/Demolition Materials

All excavation materials generated during this program were placed in the designated on-site location at the end of each work day, as needed to keep the work area clear. The APC No. 9 water meter room pit demolition debris were placed in NYSDOT 55 gallon drums (A1A type), labeled, and staged in the decontamination area. In addition, any other waste material generated was also placed in drums and staged in the same area pending disposition. The materials removed from the water meter room pit were characterized, and properly disposed of by Republic Environmental Systems (RES) under contract to Agfa. A Fluor Daniel GTI technician was on-site for Agfa and supervised the removal activities. All material was properly disposed of in accordance with applicable federal and state guidelines. Appropriate manifests and documentation are on file with Agfa, and the appropriate NYSDEC regulatory office.

3.0 INTERIM REMEDIAL MEASURES RESULTS AND CONCLUSIONS

3.1 APC No. 8 - Emulsion Building Sump

The purpose of this IRM was to properly abandon the SB-20 borehole, and seal the borehole surface with a impenetrable material. For this IRM, the Performance Standard that was to be obtained to achieve a no further action determination at this APC was the proper backfilling and sealing of this bore hole in accordance with applicable standards; namely, filling the borehole with an impermeable, flexible material.

Conclusion: This Performance Standard has been met, and therefore, this IRM action has been deemed successful, with no further action warranted at this APC.

3.2 APC No. 9 - Water Meter Room Pit

The purpose of this IRM was to remove the residual materials from the inside of the pit, dismantle the pit, and remove a limited volume of soil from beneath the pit. Through these actions, Agfa was to achieve a no further action determination for this APC. For this IRM, the Performance Standard that was be obtained to achieve a no further action determination was the removal of approximately 0.5 feet (conditions permitting) of the pit bottom subbase material. In total, approximately 1.5 feet of material was removed.

Results from the two endpoint sampling programs have also been compiled and are presented below in table 1. The site-specific Chemicals of Concern (COCs) for this site (cadmium, silver, chromium, lead and mercury) have been compared for each sample set, as well as for the semivolatile organic compounds (SVOCs) detected at concentrations above the soil cleanup objectives (SCOs). Volatile organic compounds, PCBs or pesticides were not detected at concentrations above the respective method detection limits (see "Note" following the table for qualifications). The comparison table is presented below. The summary laboratory data sheets are included as appendix A. The third party data validation report is included as appendix B.

TABLE 1
Water Meter Room Pit Endpoint Sampling Results Comparison
(All Values Presented in Parts Per Million)

Detected Analyte or Compound	Soil Cleanup Objectives	Endpoint Sampling Results-1 (SUMP)	Endpoint Sampling Results-2 (SUMP2)
Cadmium	10	68.1	5.7 *(4.6)*
Silver	300	76.4	14.2 *(15.7)*
Mercury	0.10	0.28	0.26 *(0.36)*
Chromium	50	15.3	10.7 *(10.7)*
Lead	500	89.1	69.8 *(76.6)*
Benzo(a)anthracene	0.224 or MDL	0.440	1.100 *(0.310)*
Benzo(b)floranthene	0.224 or MDL	0.460	0.940 *(0.300)*
Benzo(k)floranthene	0.224 or MDL	0.340	0.750 *(0.200)*
Dibenzo(a,h)anthracene	0.014 or MDL	0.150	0.078 *(0.380)*
Benzo(a)pyrene	0.051 or MDL	0.430	1.300 *(0.400)*
Chrysene	0.400 or MDL	0.480	1.300 *(0.370)*
Total SVOC's	500	4.4	13.5 *(3.9)*

NOTES:

SVOCs = Semivolatile organic compounds. Totals reported for the individual samples are inclusive of estimated (J qualifier) results.

Soil Cleanup Objectives (SCOs) are taken from NYSDEC April 1995 HWR-4046 TAGM, with the exceptions of Silver and Lead. The SCOs for these metals are project specific, as determined by the NYSDEC and NYSDOH, and are consistent with the SCOs reported in the FINAL Phase 2 RI Report.

Results-1 = Endpoint soil sampling results for samples collected during the October 1996 excavation/endpoint sampling program (FDGTI memo dated January 31, 1997). Note that the sample ID for the duplicate sample for this event is "SUMPDUP". Both the SUMP and SUMPDUP sample results for pesticides and PCBs were deemed unusable by the Data Validator. Laboratory reports for this event can be found in the referenced FDGTI memo. The data validation report which provides a useability assessment for this sample set are included as appendix B.

Results-2 = Endpoint soil sampling results for samples collected during the February 1997 re-excavation/ endpoint sampling program (FDGTI memo dated March 6, 1997). Note that the sample ID for the duplicate sample for this event is "SUMP2D", and "SUMP2DRE". The SUMP2 and SUMP2D sample results for pesticides and PCBs were deemed unusable by the Data Validator. The SUMP2DRE (a duplicate sample of SUMP2D) sample was also run for pesticides and PCBS, and the data was found to be acceptable by the Data Validator. Laboratory reports for this event can be found in the referenced FDGTI memo. The data validation report is included as appendix B.

( ) = The number appearing in parenthesis to the right of the SUMP2 sampling results are the duplicate endpoint sample results (I.D. SUMP2D) for that sample. The SVOC results for the duplicate sample, are for sampling ID SUMP2DRE, a rerun sample, as the SUMP2D SVOC sample results were noted as generally being unusable by the Data Validator. The SUMP2DRE sample was run approximately 5 days past holding time but the data was deemed both useable and estimated by the Data Validator.

The primary on-site metals of concern (cadmium and silver) were detected in the second endpoint soil sample at levels which are well below the SCOs. Although specific SVOC compounds were detected at levels above the respective SCOs, the total SVOCs detected in either sample set were reported at concentrations which are over an order of magnitude lower than the TAGM guidance value of 500 parts per million for total SVOCs.

When a comparison of the SUMP2 endpoint sampling results is made to both the original sump pit sediment data collected during the Phase 1 RI (SB-21 results), and the October 1996 IRM endpoint sampling data, it is obvious that an overall improvement has been made with respect to soil quality at this APC via excavation. Further, none of the remaining compounds/analytes detected in the subbase soil, are found in groundwater at levels of regulatory concern.

Conclusion: With the removal of the soil from the base of the excavation, and the documented improvement of soil quality, as evidenced by the endpoint sampling data, the Performance Standard, as detailed in the IRM No. 1 Work Plan has not only been met, but exceeded. Given that the area is located in the building interior and is covered, capped and sealed with concrete the potential for leaching of any residual material from this APC is remote. The results of the endpoint sampling comparison further documents and reinforce that no further action is warranted at this APC.

4.0 REFERENCES

EPA (Report); *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA-Interim Final*; USEPA 540/G-89 004, October, 1988.

Fluor Daniel GTI, Inc. Memorandum: *Submission of the Endpoint Sampling Results - APC No. 9 - Water Meter Room Pit; Peerless Photo Products Site (I.D. No. 1-52-031), Shoreham, New York;* January 28, 1997.

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Fluor Daniel GTI, Inc. Memorandum: *Approval from NYSDEC to Close the Water Meter Room Pit Excavation, Interim Remedial Measures Work Plan No. 1 Work Plan, Peerless Photo Products Site (I.D. No. 1-52-031), Shoreham, New York;* March 20, 1997.

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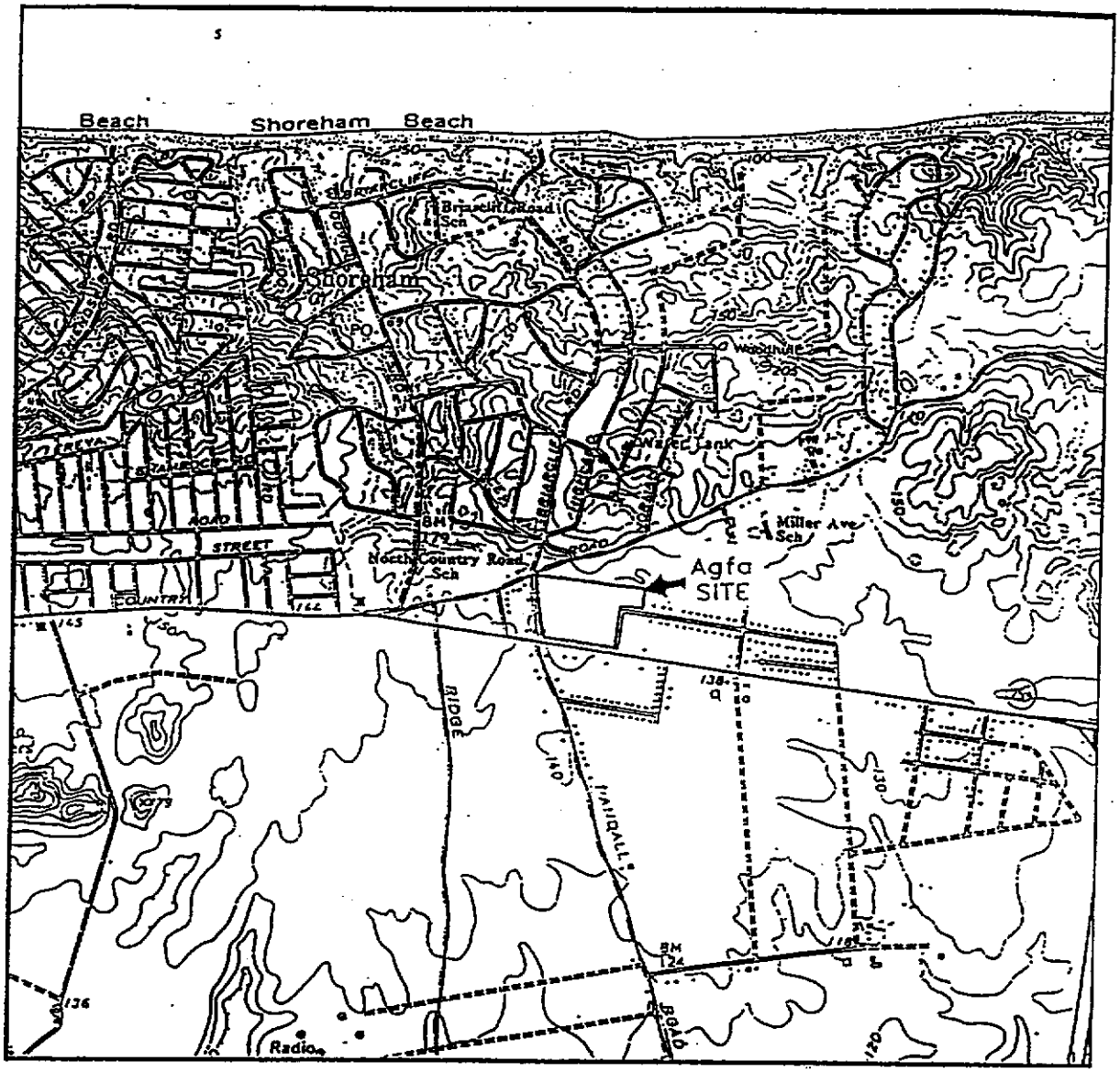
FIGURES



SOURCE: U.S.G.S. TOPOGRAPHIC QUADRANGLE
MIDDLE ISLAND, N.Y.
7.5 MINUTE SERIES
DATE: 1967

QUADRANGLE LOCATION

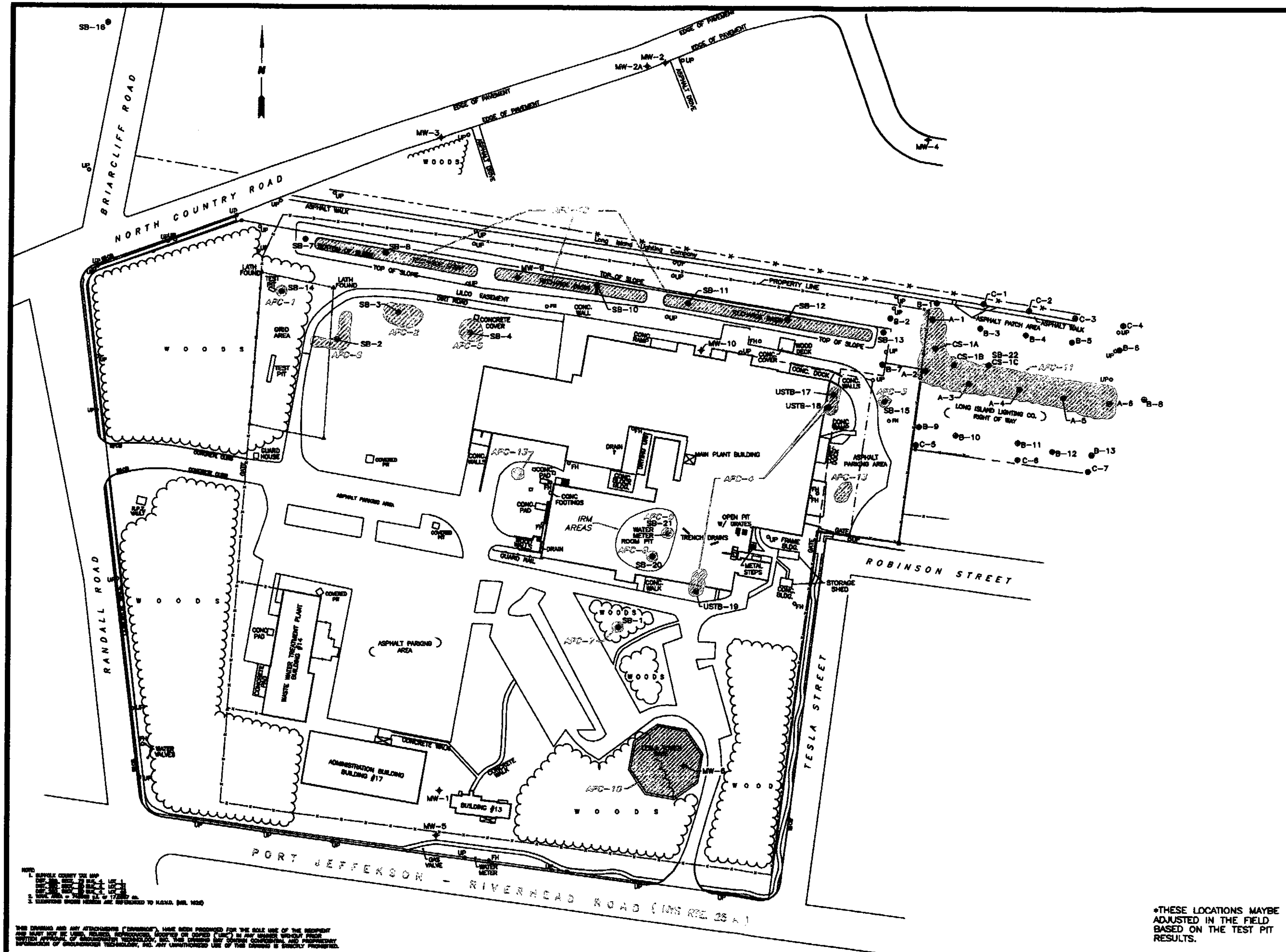
SCALE 1:24,000

0 2,000 4,000

SCALE FEET

N

FLUOR DANIEL GTI 101-1 COLIN DRIVE HOLBROOK, N.Y. 11741 (516) 472-4000	DESIGNED: JB DETAILED: TS CHECKED: JB	SITE LOCATION	
		CLIENT: PEERLESS PHOTO PRODUCTS SITE SITE ID# 1-52-031	DRAWING DATE: 7/26/96
		LOCATION: AGFA DIVISION OF BAYER CORPORATION RANDALL ROAD SHOREHAM, NEW YORK	FIGURE: 1



NO.	DATE	BY	REVISION

LEGEND

- MONITORING WELL
- SOIL BORING (PHASE 1 COMPLETED)
- UP UTILITY POLE
- FH HYDRANT
- CB CATCH BASIN
- —x— CHAIN LINK FENCE
- ---- PROPERTY LINE
- APC – AREA OF POTENTIAL CONCERN

SCALE 60 0 60 120 FEET

SIGNATURE		DATE
REVIEW ENGR:		
PROJECT ENGR:		
PROJECT MGR:		
CLIENT:		

FLUOR DANIEL GTI

1245 KINGS ROAD
SCHENECTADY, NY 12303 (518) 370-5631

PEERLESS PHOTO PRODUCTS SITE SITE ID# 1-52-031

AGFA DIVISION OF BAYER CORP. RANDALL ROAD & ROUTE 25A SHOREHAM, NEW YORK

SITE MAP WITH APC LOCATIONS

DESIGNED BY: SEE SOURCE	DETAILED BY: DEO	CHECKED BY:
DRAWING DATE: 2/11/98	ACAD FILE: 0486-ST2	
PROJECT NO.: 01110-0486	CONTRACT:	
DRAWING: 2		

APPENDIX A

Summary Laboratory Data Sheets

NYSDEC ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

SUMP

Name: LRI_____ Contract: _____

Code: LRI___ Case No.: 1031A SAS No.: _____ SDG No.: 103101

rix (soil/water): SOIL_ Lab Sample ID: 1103103___

el (low/med): LOW__ Date Received: 11/02/96

olids: _89.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7310			P
7440-36-0	Antimony	1.1	U	N	P
7440-38-2	Arsenic	1.5	B		P
7440-39-3	Barium	47.1			P
7440-41-7	Beryllium	0.22	U		P
7440-43-9	Cadmium	68.1			P
7440-70-2	Calcium	5180		*	P
7440-47-3	Chromium	15.3			P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	114		N*	P
7439-89-6	Iron	22000		*	P
7439-92-1	Lead	89.1			P
7439-95-4	Magnesium	1140			P
7439-96-5	Manganese	132			P
7439-97-6	Mercury	0.28			CV
7440-02-0	Nickel	7.9	B		P
7440-09-7	Potassium	490	B		P
7782-49-2	Selenium	1.1	B	N	P
7440-22-4	Silver	76.4		*	P
7440-23-5	Sodium	88.2	B		P
7440-28-0	Thallium	0.89	U	N	P
7440-62-2	Vanadium	15.5			P
7440-66-6	Zinc	97.9		E	P
5955-70-0	Cyanide	0.22	U		C

.or Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

.or After: YELLOW___ Clarity After: CLEAR_ Artifacts: ___

ments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

SUMP

Lab Name: LRI Contract:

Lab Code: Case No.: 1031A SAS No.: SDG No.: T103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-03

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B7076.D

Level: (low/med) LOW Date Received: 11/2/96

% Moisture: not dec. 10 Date Analyzed: 11/7/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
75-15-0	Carbon Disulfide	11	U
67-64-1	Acetone	5	J
75-09-2	Methylene Chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
124-48-1	Dibromochloromethane	11	U
75-25-2	Bromoform	11	U
108-01-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
108-38-3	meta + para-Xylenes	11	U
94-47-6	ortho-Xylene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE N: SUMP

Lab Name: LRI Contract: _____

Lab Code: _____ Case No.: 1031A SAS No.: _____ SDG No.: T103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-03

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B7076.D

Level: (low/med) LOW Date Received: 11/2/96

% Moisture: not dec.. 10 Date Analyzed: 11/7/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SUMP

b ame: LRI Contract:

b Code: LRI Case No.: 1031A SAS No.: SDG No.: 103101

trix: (soil/water) SOIL Lab Sample ID: T611031-03

mple wt/vol: 30.0 (g/mL) G Lab File ID:

Moisture: 10 decanted: (Y/N) N Date Received: 11/02/96

traction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/96

ncentrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/96

jection Volume: 0.50 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) Y pH: 10.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-36-3	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SUMP

Lab Name: Contract: SVA_ASP1

Lab Code: Case No.: 1031A SAS No.: L SDG No.: 103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D5742

Level: (low/med) LOW Date Received: 11/02/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/05/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/18/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.7

CAS NO.	COMPOUND	CONCENTRATION UNITS; (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	160	J
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	120	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	57	J
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U

1C

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SUMP

Contract: SVA_ASP1

Lab Name:

Lab Code: Case No.: 1031A SAS No.: L SDG No.: 103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D5742

Level: (low/med) LOW Date Received: 11/02/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/05/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/18/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	22	J
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	280	J
120-12-7	Anthracene	92	J
86-74-8	Carbazole	22	J
84-74-2	Di-n-butylphthalate	70	J
206-44-0	Fluoranthene	570	
129-00-0	Pyrene	580	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	440	
218-01-9	Chrysene	480	
117-81-7	bis(2-Ethylhexyl)phthalate	43	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	460	
207-08-9	Benzo(k)fluoranthene	340	J
50-32-8	Benzo(a)pyrene	430	
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenz(a,h)anthracene	150	J
191-24-2	Benzo(g,h,i)perylene	130	J

(1) - Cannot be separated from Diphenylamine

NYSDEC ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

SUMP DUP

Name: LRI Contract:

Code: LRI Case No.: 1031A SAS No.: SDG No.: 103101

Matrix (soil/water): SOIL Lab Sample ID: 1103104

Level (low/med): LOW Date Received: 11/02/96

Solids: 91.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6820			P
7440-36-0	Antimony	1.1	U	N	P
7440-38-2	Arsenic	1.9	B		P
7440-39-3	Barium	63.0			P
7440-41-7	Beryllium	0.23	B		P
7440-43-9	Cadmium	80.0			P
7440-70-2	Calcium	9530		*	P
7440-47-3	Chromium	14.5			P
7440-48-4	Cobalt	2.5	B		P
7440-50-8	Copper	81.2		N*	P
7439-89-6	Iron	9980		*	P
7439-92-1	Lead	77.4			P
7439-95-4	Magnesium	1440			P
7439-96-5	Manganese	128			P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	7.0	B		P
7440-09-7	Potassium	546	B		P
7782-49-2	Selenium	0.66	U	N	P
7440-22-4	Silver	125		*	P
7440-23-5	Sodium	153	B		P
7440-28-0	Thallium	0.87	U	N	P
7440-62-2	Vanadium	17.1			P
7440-66-6	Zinc	117		E	P
5955-70-0	Cyanide	0.22	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO

SUMP DUP

Lab Name: LRI Contract: _____

Lab Code: _____ Case No.: 1031A SAS No.: _____ SDG No.: T103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B7079.D

Level: (low/med) LOW Date Received: 11/2/96

% Moisture: not dec. 8 Date Analyzed: 11/7/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
75-15-0	Carbon Disulfide	11	U
67-64-1	Acetone	19	
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
124-48-1	Dibromochloromethane	11	U
75-25-2	Bromoform	11	U
108-01-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
108-38-3	meta + para-Xylenes	11	U
94-47-6	ortho-Xylene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE N

SUMP DUP

Lab Name: LRI Contract: ________

Lab Code: ________ Case No.: 1031A SAS No.: ________ SDG No.: T103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B7079.D

Level: (low/med) LOW Date Received: 11/2/96

% Moisture: not dec. 8 Date Analyzed: 11/7/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: ________ (uL) Soil Aliquot Volume: ________ (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
100-42-5	Styrene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U

1C

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SUMP DUP

Lab Name: Contract: SVA_ASP1

Lab Code: Case No.: 1031A SAS No.: L SDG No.: 103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D5747

Level: (low/med) LOW Date Received: 11/02/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 11/05/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/18/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	23	J
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	460	
120-12-7	Anthracene	180	J
86-74-8	Carbazole	33	J
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	830	
218-01-9	Chrysene	870	
117-81-7	bis(2-Ethylhexyl)phthalate	47	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	870	
207-08-9	Benzo(k)fluoranthene	460	
50-32-8	Benzo(a)pyrene	720	
193-39-5	Indeno(1,2,3-cd)pyrene	490	
53-70-3	Dibenz(a,h)anthracene	210	J
191-24-2	Benzo(g,h,i)perylene	170	J

(1) - Cannot be separated from Diphenylamine

1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SUMP DUP

Lab Name: Contract: SVA_ASP1

Lab Code: Case No.: 1031A SAS No.: L SDG No.: 103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D5747

Level: (low/med) LOW Date Received: 11/02/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 11/05/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/18/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	150	J
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	71	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	150	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	62	J
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	360	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SUMP_DUP

Name: LRI Contract:

Code: LRI Case No.: 1031A SAS No.: SDG No.: 103101

rix: (soil/water) SOIL Lab Sample ID: T611031-04

ple wt/vol: 30.0 (g/mL) G Lab File ID:

oisture: 8 decanted: (Y/N) N Date Received: 11/02/96

raction: (SepF/Cont/Sonc) SONC Date Extracted: 11/05/96

centrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/96

ection Volume: 0.50 (uL) Dilution Factor: 1.00

Cleanup: (Y/N) Y pH: 10.0 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.6	U
7421-36-3	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SUMP2

Name: NYTEST_ENV_INC Contract: 9723033

Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

rix (soil/water): SOIL Lab Sample ID: 054104

el (low/med): LOW Date Received: 02/07/97

olids: 88.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8480			P
7440-36-0	Antimony	1.6	B	N	P
7440-38-2	Arsenic	1.5	B		P
7440-39-3	Barium	48.5			P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	5.7			P
7440-70-2	Calcium	1640		*	P
7440-47-3	Chromium	10.7		N*	P
7440-48-4	Cobalt	3.6	B		P
7440-50-8	Copper	19.1		N	P
7439-89-6	Iron	10600			P
7439-92-1	Lead	69.8		N*	P
7439-95-4	Magnesium	1180			P
7439-96-5	Manganese	97.5		EN	P
7439-97-6	Mercury	0.26			CV
7440-02-0	Nickel	6.6	B	E	P
7440-09-7	Potassium	438	B		P
7782-49-2	Selenium	0.85	U		P
7440-22-4	Silver	14.2			P
7440-23-5	Sodium	131	U		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	17.3		E	P
7440-66-6	Zinc	105		EN	P
	Cyanide	0.49	U		AS

lor Before: BLACK Clarity Before: Texture: MEDIUM

lor After: YELLOW Clarity After: CLEAR Artifacts:

mments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SUMP2D

Name: NYTEST_ENV_INC Contract: 9723033

Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix (soil/water): SOIL Lab Sample ID: 054105

Level (low/med): LOW Date Received: 02/07/97

Solids: 88.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7680			P
7440-36-0	Antimony	1.6	B	N	P
7440-38-2	Arsenic	1.9	B		P
7440-39-3	Barium	36.1	B		P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	4.6			P
7440-70-2	Calcium	953	B	*	P
7440-47-3	Chromium	10.7		N*	P
7440-48-4	Cobalt	3.4	B		P
7440-50-8	Copper	24.5		N	P
7439-89-6	Iron	9750			P
7439-92-1	Lead	76.6		N*	P
7439-95-4	Magnesium	1120			P
7439-96-5	Manganese	95.3		EN	P
7439-97-6	Mercury	0.36			CV
7440-02-0	Nickel	6.2	B	E	P
7440-09-7	Potassium	381	B		P
7782-49-2	Selenium	0.87	U		P
7440-22-4	Silver	15.7			P
7440-23-5	Sodium	287	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	16.3		E	P
7440-66-6	Zinc	91.6		EN	P
	Cyanide	0.44	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SUMP2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054104

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N2555.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. 12 Date Analyzed: 02/12/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	JB
67-64-1	Acetone	16	B
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SUMP2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054104

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N2555.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. 12 Data Analyzed: 02/12/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SUMP2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054104

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5121.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted: 02/11/97

Concentrated Extract Volume: 500 (UL) Date Analyzed: 02/18/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ~~7.0~~ 6.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	47	J
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	1000	
120-12-7	Anthracene	220	J
86-74-8	Carbazole	47	J
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	2600	
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	90	JB
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	940	
207-08-9	Benzo(k)fluoranthene	750	
50-32-8	Benzo(a)pyrene	1300	
193-39-5	Indeno(1,2,3-cd)pyrene	900	
53-70-3	Dibenz(a,h)anthracene	78	J
191-24-2	Benzo(g,h,i)perylene	1200	

(1) - Cannot be separated from Diphenylamine

1F

NYSDEC SAMPLE NO.

SUMP2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054104

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5121.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted: 02/11/97

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ~~7.0~~ 6.8 mbw

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	3.108	1100	J
2.		UNKNOWN	3.336	980	J
3.		UNKNOWN AROMATIC	13.165	190	J
4.		UNKNOWN AROMATIC	13.218	290	J
5.		UNKNOWN AROMATIC	13.411	310	J
6.		UNKNOWN AROMATIC	13.762	150	J
7.		UNKNOWN AROMATIC	14.323	120	J
8.		UNKNOWN	14.517	150	J
9.		UNKNOWN AROMATIC	16.026	140	J
10.		UNKNOWN AROMATIC	16.219	170	J
11.		UNKNOWN	17.114	140	J
12.		UNKNOWN AROMATIC	18.448	120	J
13.		UNKNOWN AROMATIC	20.396	150	J
14.		UNKNOWN AROMATIC	20.923	900	J
15.		UNKNOWN	22.169	160	J
16.		UNKNOWN AROMATIC	24.205	160	J
17.		UNKNOWN AROMATIC	24.872	160	J
18.		UNKNOWN AROMATIC	25.942	240	J
19.		UNKNOWN AROMATIC	26.153	280	J
20.		UNKNOWN AROMATIC	27.434	190	J
21.					
22.					
23.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SUMP2D

Name: NYTEST ENV INC Contract: 9723033.

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N2556.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. 11 Date Analyzed: 02/12/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	JB
67-64-1	Acetone	11	JB
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SUMP2D

Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N2556.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. 11 Data Analyzed: 02/12/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	22.030	12	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SUMP2D

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5122.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted: 02/11/97

Concentrated Extract Volume: 500(UL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	1200	
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	55	J
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	56	J
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	42	J

1C

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SUMP2D

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5122.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted: 02/11/97

Concentrated Extract Volume: 500 (UL) Date Analyzed: 02/18/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	1100	
120-12-7	Anthracene	520	
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	5600	E
129-00-0	Pyrene	3700	E
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	2700	
218-01-9	Chrysene	2900	
117-81-7	bis(2-Ethylhexyl)phthalate	170	JB
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	1800	
207-08-9	Benzo(k)fluoranthene	1900	
50-32-8	Benzo(a)pyrene	3000	E
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenz(a,h)anthracene	140	J
191-24-2	Benzo(g,h,i)perylene	2000	

(1) - Cannot be separated from Diphenylamine

1F

NYSDEC SAMPLE NO.

SUMP2D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

b Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5122.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted: 02/11/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/18/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	3.111	1100	J
2.		UNKNOWN	3.339	970	J
3.		UNKNOWN AROMATIC	13.167	430	J
4.		UNKNOWN AROMATIC	13.238	370	J
5.		UNKNOWN AROMATIC	13.413	720	J
6.		UNKNOWN AROMATIC	13.764	350	J
7.		UNKNOWN AROMATIC	14.326	530	J
8.		UNKNOWN AROMATIC	14.536	400	J
9.		UNKNOWN AROMATIC	19.714	280	J
10.		UNKNOWN AROMATIC	20.416	350	J
11.		UNKNOWN	20.679	240	J
12.		UNKNOWN AROMATIC	20.960	2000	J
13.		UNKNOWN AROMATIC	21.364	480	J
14.		UNKNOWN AROMATIC	22.206	280	J
15.		UNKNOWN	23.066	290	J
16.		UNKNOWN	24.242	600	J
17.		UNKNOWN AROMATIC	24.909	420	J
18.		UNKNOWN AROMATIC	25.997	490	J
19.		UNKNOWN AROMATIC	26.208	510	J
20.		UNKNOWN AROMATIC	27.489	360	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SUMP2DRE

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5169.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted: 02/20/97

Concentrated Extract Volume: 500(UL) Date Analyzed: 02/21/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	100	J
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SUMP2DRE

b Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5169.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted: 02/20/97

Concentrated Extract Volume: 500 (UL) Date Analyzed: 02/21/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	57	J
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	560	
129-00-0	Pyrene	400	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	300	J
218-01-9	Chrysene	360	J
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	280	J
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	420	
193-39-5	Indeno(1,2,3-cd)pyrene	350	J
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	480	

(1) - Cannot be separated from Diphenylamine

1F

NYSDEC SAMPLE NO.

SUMP2DRE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5169.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted:02/20/97

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/21/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	3.248	440	JB
2.		ALDOL	3.424	25000	AJB
3.		UNKNOWN	3.915	710	J
4.		UNKNOWN	4.406	100	JB
5.		UNKNOWN	14.217	100	J
6.		UNKNOWN	15.639	160	J
7.		UNKNOWN AROMATIC	18.307	78	J
8.		UNKNOWN AROMATIC	20.694	280	J
9.		UNKNOWN AROMATIC	25.766	91	J
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(Final QA/QC Results)

nytest environmental inc.

FAX COVER PAGE

TO: J. Basile

FAX NO.:

DATE: 2/26/97

NO. OF PAGES: 36
(Including cover page)

FROM: Client Services

MESSAGE: VOA, BNA & metals Results

Pest/PCB to follow

ALL DATA IS PRELIMINARY UNTIL RECEIPT OF FINAL REPORT

NEI LOGIN NUMBER(S): 30541

NOTE: IF YOU DO NOT RECEIVE THE ENTIRE TRANSMISSION, OR NEED PAGES RE-SENT, PLEASE CALL US.

Client Services Fax# (516) 625 – 3128

box 1518 ☐ 60 seaview blvd., port washington, ny 11050 ☐ (516) 625-5500

(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

Client Name: FLUOR DANIEL GTI
Address: 101-1 Comm DR.
Holbrook, N.Y. 11741
Project Manager: JOE BASILE
Phone: (718) 370-5631 FAX (718) 370-5864
Project Name: AGFA
Project Number: 01110-0486
P.O. #:
Analytical Protocol: ASP/CLP 12-91 Protocol Deliverables 10 DAY TAT
Sampled By: CHRIS BONA / ED STARKE

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	TAL Metals
6	NRBSW1	2/6	1:00		1	X
7	NRBSW2	2/6	1:10		1	X
8	NRBSW3	2/6	1:20		1	X
9	NRBSW4	2/6	1:30		1	X
10	NRBSW5	2/6	1:40		1	X

Bin #'s In/Out (For Lab Use Only)

Login #: 41
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped: 2/7/97
Carrier: LAB COURIER
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Comments

Relinquished by:	Date / Time	Received by:	Date / Time
Print Name: CHRIS BONA	2/6/97 4:00	Print Name: Robert Lombardo	2/7/97 1000
Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name:	
Relinquished by: Robert Lombardo	2/7/97 1410	Received by Laboratory:	2/7/97 1410
Print Name: Robert Lombardo		Print Name: Robert Richter	

Lab Use Only

Custody Seals: Intact / Broken / Absent
Sample Rec'd in Good Condition? Y / N
Sample Temperature: 3 Degrees Celsius
INSPECTED BY:
COMMENTS:

Special Instructions:

CLIENT RETAINS YELLOW COPY ONLY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

PLDBK2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054101

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5138.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. _____ Date Analyzed: 02/13/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	9	JB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

Client Name: FLUOR DANIEL GTI
Address: 101-1 COLIN DRIVE, HOLBROOK, N.Y. 11741
Project Manager: JOE BASILE
Phone: (718) 370-5631 FAX (718) 370-5864
Project Name: AGFA
Project Number: 01110-0486
P.O. #:
Analytical Protocol: ASP/CLP 12-91 Protocols Deliverables 10 DAY TAT
Sampled By: CHRIS BOWA / ED STARKE

Login #: 38 47
Ship to: Nytest Environmental Inc., 60 Seaview Blvd, Port Washington N.Y. 11050, Attn.: Sample Control
Date Shipped: 2/7/97
Carrier: LAB COURIER
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	TCL	TAL	TCL VOL.	Comments
1	FLDBK2	2/6	11:00		9	X	X		
2	RNSBK2	2/6	11:15		9	X	X		
3	TRIPBK	2/6	—		2			X	
4	SUMP2	2/6	11:30		5	X	X		
5	SUMP2D	2/6	11:30		5	X	X		

Bin #'s In/Out (For Lab Use Only)

Relinquished by	Date / Time	Received by	Date / Time
[signature] Print Name: CHRIS BOWA	2/6/97 4:00	[signature] Print Name: Robert Lombardo	2/7/97 1020
Relinquished by: Print Name:	Date / Time	Received by: Print Name:	Date / Time
[signature] Print Name: Robert Lombardo	2/7/97 1410	Received by Laboratory: [signature] Print Name: Robert Fletcher	2/7/97 1440

Lab Use Only
Custody Seals: (Intact) Broken Absent
Sample Rec'd in Good Condition?: (Y) N
Sample Temperature: 3 Degrees Celsius
INSPECTED BY: [initials]
COMMENTS:

Special Instructions:

CLIENT RETAINS YELLOW COPY ONLY

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FLDBK2

Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054101

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5138.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. _____ Data Analyzed: 02/13/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

RNSBK2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054102

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5139.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. _____ Data Analyzed: 02/13/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TRIPBK

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054103

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5137.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. _____ Date Analyzed: 02/13/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	8	JB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TRIPBK

Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054103

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5137.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. _____ Data Analyzed: 02/13/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.700	5	J
2.					
3.					
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5.					
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FLDBK2

b Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5118.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/12/97

Concentrated Extract Volume: 1000(UL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FLDBK2

b Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5118.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/12/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.269	16	JB
2.		UNKNOWN	3.445	11	JB
3.		UNKNOWN	4.164	45	JB
4.		UNKNOWN	4.235	58	JB
5.		UNKNOWN	4.463	2	J
6.		UNKNOWN	4.849	2	J
7.		UNKNOWN	7.324	2	J
8.		UNKNOWN	8.816	5	J
9.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

RNSBK2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054102

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5119.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/12/97

Concentrated Extract Volume: 1000(UL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RNSBK2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054102

Sample wt/vol.: 1000 (g/mL) ML Lab File ID: R5119.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/12/97

Concentrated Extract Volume: 1000(UL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

NYSDEC SAMPLE NO.

RNSBK2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054102

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5119.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/12/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.268	51	JB
2.		UNKNOWN	3.444	8	JB
3.		UNKNOWN	4.164	9	JB
4.		UNKNOWN	4.234	13	JB
5.		UNKNOWN	5.708	4	J
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RNSBK2

me: NYTEST_ENV_INC Contract: 9723033

Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

rix (soil/water): WATER Lab Sample ID: 054102

el (low/med): LOW Date Received: 02/07/97

olids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	194	B		P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	4.1	U		P
7440-39-3	Barium	5.7	U		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	97.4	U		P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	1.8	U		P
7439-89-6	Iron	26.3	B		P
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium	95.9	U		P
7439-96-5	Manganese	0.40	B		P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	2.1	U		P
7440-09-7	Potassium	271	U		P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	633	U		P
7440-28-0	Thallium	5.2	U		P
7440-62-2	Vanadium	2.9	B		P
7440-66-6	Zinc	3.4	B		P
	Cyanide	10.0	U		AS

or Before: COLORLESS Clarity Before: CLEAR Texture:

lor After: COLORLESS Clarity After: CLEAR Artifacts:

mments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
FLDBK2

me: NYTEST_ENV_INC Contract: 9723033
Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541
rix (soil/water): WATER Lab Sample ID: 054101
el (low/med): LOW Date Received: 02/07/97
olids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	191	B		P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	4.1	U		P
7440-39-3	Barium	5.7	U		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	97.4	U		P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	1.3	B		P
7440-50-8	Copper	1.8	U		P
7439-89-6	Iron	59.9	B		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	95.9	U		P
7439-96-5	Manganese	0.51	B		P
7439-97-6	Mercury	0.12	B		CV
7440-02-0	Nickel	2.1	U		P
7440-09-7	Potassium	271	U		P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	859	B		P
7440-28-0	Thallium	5.2	U		P
7440-62-2	Vanadium	2.6	B		P
7440-66-6	Zinc	3.4	U		P
	Cyanide	10.0	U		AS

or Before: COLORLESS Clarity Before: CLEAR Texture:
or After: COLORLESS Clarity After: CLEAR Artifacts:
ments:

nytest environmental

(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

Client Name: FLUOR DANIEL GTI
Address: 101-1 COLIN DRIVE, Holbrook, N.Y. 11741
Project Manager: JOE BASILE
Phone: (718) 370-5631 FAX: (718) 370-5864
Project Name: AGFA
Project Number: 01110-0486
P.O. #:
Analytical Protocol: ASP/CLP 12-91 Protocols Deliverables: 10 DAY TAT
Sampled By: CHRIS BONA / ED STARKE

Login #: 30541
Ship to: Nytest Environmental Inc., 60 Seaview Blvd, Port Washington N.Y. 11050, Attn.: Sample Control
Date Shipped: 2/8/97
Carrier: LAB COURIER
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	TCL	TAL	TCL VOL.	Comments
1	FLDBK2	2/6	11:00		9	X	X		
2	RNSBK2	2/6	11:15		9	X	X		
3	TRIPBK	2/6	—		2			X	
4	SUMP2	2/6	11:30		5	X	X		
5	SUMP2D	2/6	11:30		5	X	X		

Bin #'s In/Out (For Lab Use Only)

Relinquished by	Date / Time	Received by	Date / Time
[signature] Print Name: CHRIS BONA	2/6/97 4:00	[signature] Print Name: Robert Lombardo	2/7/97 1020
Relinquished by: Print Name:	Date / Time	Received by: Print Name:	Date / Time
[signature] Print Name: Robert Lombardo	2/7/97 1410	Received by Laboratory: [signature] Print Name: Rhea Fletcher	2/7/97 1410

Lab Use Only
Custody Seals: (Intact) Broken Absent
Sample Rec'd in Good Condition?: (Y) N
Sample Temperature: 3 Degrees Celsius
INSPECTED BY: [signature]
COMMENTS:

Special Instructions:

CLIENT RETAINS YELLOW COPY ONLY

nytest environmental inc.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

#: ____ of ____

Client Name: Fluor Daniel GTI
Address: 101-1 Colin Dr.
Holbrook, N.Y. 11741

Project Manager: Joe Basile
Phone: (718) 370-5631 FAX (718) 370-5864
Project Name: AGFA
Project Number: 01110-0486
P.O. #:
Analytical Protocol: ASP/CLP 12-91 Protocols Deliverables: 10 DAY TAT
Sampled By: Chris Bona / Ed Starke

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	TAL Metals
6	NRBSW1	2/6	1:00		1	X
7	NRBSW2	2/6	1:10		1	X
8	NRBSW3	2/6	1:20		1	X
9	NRBSW4	2/6	1:30		1	X
10	NRBSW5	2/6	1:40		1	X

Bin #'s In/Out (For Lab Use Only)

Login #: 30541
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped: 2/7/97
Carrier: LAB COURIER
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Comments

Relinquished by:	Print Name:	Date / Time	Received by:	Print Name:	Date / Time
[signature]	Chris Bona	2/6/97 4:00	[signature]	Robert Lombardo	2/7/97 1020
Relinquished by:	Print Name:	Date / Time	Received by:	Print Name:	Date / Time
Relinquished by: [signature]	Print Name: Robert Lombardo	Date / Time 2/7/97 1410	Received by Laboratory: [signature]	Print Name: Robert Hobbs	Date / Time 2/7/97 1410

Special Instructions:

CLIENT RETAINS YELLOW COPY ONLY

Lab Use Only

Custody Seals: Intact / Broken / Absent
Sample Rec'd in Good Condition?: Y / N
Sample Temperature: 3 Degrees Celsius
INSPECTED BY: [signature]
COMMENTS:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
HHHH

Name: NYTEST_ENV_INC Contract: 9723033

Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix (soil/water): SOIL Lab Sample ID: 054301

Level (low/med): LOW Date Received: 02/07/97

Solids: 95.4

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				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	3.4			CV
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: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OOOO

b Name: NYTEST_ENV_INC Contract: 9723033

ıb Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

trix (soil/water): SOIL Lab Sample ID: 040401

:vel (low/med): LOW Date Received: 02/07/97

Solids: 82.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600			P
7440-36-0	Antimony	3.8	B	N	P
7440-38-2	Arsenic	6.6			P
7440-39-3	Barium	179			P
7440-41-7	Beryllium	0.82	B		P
7440-43-9	Cadmium	1.9			P
7440-70-2	Calcium	8790		*	P
7440-47-3	Chromium	161		N*	P
7440-48-4	Cobalt	11.5	B		P
7440-50-8	Copper	118		N	P
7439-89-6	Iron	25200			P
7439-92-1	Lead	363		N*	P
7439-95-4	Magnesium	4730			P
7439-96-5	Manganese	323		EN	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	39.6		E	P
7440-09-7	Potassium	1180			P
7782-49-2	Selenium	0.96	U		P
7440-22-4	Silver	0.47	U		P
7440-23-5	Sodium	839	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	52.8		E	P
7440-66-6	Zinc	469		EN	P
	Cyanide				NR

lor Before: BLACK Clarity Before: Texture: MEDIUM

lor After: YELLOW Clarity After: CLEAR Artifacts:

mments:

APPENDIX B

Data Validation Report

CHEMWORLD ENVIRONMENTAL, INC.
Environmental Consultants

March 27, 1997

Mr. Joseph Basile
Fluor Daniel GTI, Inc.
1245 Kings Road
Schenectady, New York 12303

RE: Data Validation Report
Organic and Inorganic Analyses
Peerless Photo Products, Inc. Site

Dear Mr. Basile:

ChemWorld Environmental, Inc. is pleased to provide Fluor Daniel GTI, Inc. with the enclosed Data Validation Report for Organic and Inorganic Analyses. The report includes analytical data for the Peerless Photo Products, Inc. Site from Laboratory Resources, Inc. and Nytest Environmental, Inc. An original and one unbound copy of the report are provided at this time.

If required, the analytical data packages will be returned to you upon approval of the report. Please contact me at 301-294-6144, should you need additional information or clarification regarding the enclosed.

Sincerely,

Andrea P. Schuessler

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DATA VALIDATION REPORT

ORGANIC AND INORGANIC ANALYSES

Peerless Photo Products, Inc. Site

Case Nos. 1031A and 30541

Sampling Dates of November 1, 1996 and February 6, 1997

PREPARED FOR:

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DATA VALIDATION SUMMARY: ORGANIC AND INORGANIC ANALYSES

Peerless Photo Products, Inc. Site
Case Nos. 1031A and 30541
Sampling Dates of November 1, 1996 and February 6, 1997

INTRODUCTION

This Data Validation Summary report for Organic and Inorganic analyses was generated for 4 soil/solid samples, 5 water samples, and the associated quality control samples for the Case Numbers referenced above. Sampling activities were conducted in support of the field investigation for the Peerless Photo Products, Inc. Site. The analytical laboratory work was performed by Laboratory Resources, Inc. and Nytest Environmental, Inc.

Analytical testing was performed utilizing Contract Laboratory Program (CLP) protocols for Volatile Organic analyses by Gas Chromatography/Mass Spectroscopy (GC/MS); Base/Neutral and Acid Extractable Organics by GC/MS; and Pesticides and Polychlorinated Biphenyls (PCBs) by GC. Inorganics were analyzed by Inductively Coupled Plasma (ICP); Mercury by Cold Vapor and Cyanide by Colorimetric and Spectrophotometric analyses. The analytical work was performed utilizing New York State Department of Environmental Conservation (NYSDEC) Analytical Service Protocols (ASP), December 1991.

This report provides a summary of data acceptability and deviations in accordance with the **United States Environmental Protection Agency (USEPA) Contract Laboratory Program National Functional Guidelines for Organic and Inorganic Data Review (February 1994)**; and the appropriate methods from the **NYSDEC ASP (December 1991)**, where applicable and relevant. The validation report pertains to the following samples:

Case No. 1031A (Laboratory Resources, Inc.)

SUMP
SUMP DUP (Duplicate of SUMP)
R-BLK (Rinsate Blank 11/01/96)
T-BLK (Trip Blank 11/01/96)

Case No. 30541 (Nytest Environmental, Inc.)

SUMP2
SUMP2D (Duplicate of SUMP2)
FLDBK2 (Field Blank 2/06/97)
RNSBK2 (Rinsate Blank 2/06/97)
TRIPBK (Trip Blank 2/06/97)

1.0 VOLATILE ORGANICS BY GC/MS

The following items/criteria were reviewed:

- Holding Times
- System Monitoring (Surrogate) Compound Recovery
- Matrix Spikes (MS) and Matrix Spike Duplicates (MSD)
- Initial and Continuing Calibration
- Blanks (Method and Field)
- GC/MS Instrument Performance Check
- Tentatively Identified Compounds (TICs)
- Internal Standards
- Field Duplicates
- Target Compound List (TCL) Identification
- Compound Quantitation and Reported Detection Limits
- System Performance

All items above were generated within acceptable Quality Control (QC) specifications with deviations detailed as follows. Various TIC results for 'column bleed' were qualified as 'R', unusable. The remaining data is considered to be valid and usable with the appropriate qualifiers, as noted on the data summary tables in Appendix A and within the following text.

1.1 Holding Times

All NYSDEC ASP holding times were met within the acceptable time frame of 7 days from Verified Time of Sample Receipt (VTSR) at the laboratory for the soil and water samples.

1.2 System Monitoring (Surrogate) Compound Recovery

All system monitoring compound percent recovery (%R) was found to be generated within acceptable limits for the three surrogate compounds.

1.3 Matrix Spike/Matrix Spike Duplicates (MS/MSD)

1.3.1 Case No. 1031A

One MS/MSD sample set for soils and one Matrix Spike Blank (MSB) were analyzed for the Case. Acceptable accuracy (percent recovery) and precision (relative percent difference) were generated.

1.3.2 Case No. 30541

One batch MS/MSD sample set for soils and one batch MSB were provided for the Case. Acceptable accuracy and precision were generated for the batch quality control samples based upon the summary sheets provided in the data package. The raw data for the MS/MSD samples was not included in the package for review. The quantitation report and chromatogram for the MSB were provided to the validator upon request.

1.4 Calibration

All initial and continuing calibration was performed within acceptable limits for average Relative Response Factors ($\overline{RRF}$), Percent Relative Standard Deviation (% RSD), Relative Response Factors (RRF), and percent Difference (% D), with the following exceptions.

1.4.1 **Case No. 1031A**

Initial Calibration:

Date			
11/07/96	1,1-Dichloroethene	33.2 % RSD	(Limit 30%)
	Carbon Disulfide	37.8%	
	Acetone	38.9%	

The positive results for 1,1-Dichloroethene and acetone were qualified as 'J', estimated. Carbon disulfide was not detected, therefore, qualification was not required for this compound.

Continuing Calibration:

Date, Time			
11/05/96, 11:28	Acetone	45.3% D	(Limit 25%)
	2-Butanone	32.8%	
	1,2-Dichloropropane	29.6%	
	1,1,2-Trichloroethane	28.6%	
	1,1,2,2-Tetrachloroethane	25.5%	
11/07/96, 12:54	1,1-Dichloroethene	28.9%	
	Carbon Disulfide	42.0%	

The samples associated with the continuing calibrations above were qualified as 'J', estimated, for the positive results, and 'UJ', estimated, for the non-detectable results, for the compounds noted.

1.4.2 **Case No. 30541**

Initial Calibration:

Date			
11/22/96	2-Butanone	34.8 % RSD	(Limit 30%)
	2-Hexanone	33.1%	

Positive results were not detected for the compounds noted above for the samples associated with this Initial Calibration. Therefore, qualification was not required.

Continuing Calibration:

Date, Time			
2/12/97, 13:45	Acetone	31.7% D	(Limit 25%)
	2-Butanone	28.7%	
	2-Hexanone	34.5%	
2/13/97, 10:42	Acetone	74.0%	

The samples associated with the continuing calibrations above were qualified as 'J', estimated, for the positive results, and 'UJ', estimated, for the non-detectable results, for the compounds noted. Acetone results were qualified as 'U', not detected, in *Section 1.5.2, Method Blanks*. Additional qualification was not required in these instances.

1.5 Blanks

1.5.1 **Field Blanks**

1.5.1.1 **Case No. 1031A**

One trip blank and one rinsate blank were collected and analyzed for Volatile Organics for the Case. Methylene chloride was detected in both of these blanks but was qualified as 'U', not detected, through *Section 1.5.2, Method Blanks*. The remaining Volatile Organics were not detected.

1.5.1.2 **Case No. 30541**

One field blank, one rinsate blank, and one trip blank were collected and analyzed for Volatile Organics for the Case. Acetone was detected in the blanks but was qualified as 'U', not detected, through *Section 1.5.2, Method Blanks*. Methylene chloride was detected in each of the three blanks at 2 ug/L. The methylene chloride results for the soils were also qualified as 'U', not detected, through *Section 1.5.2, Method Blanks*. Additional qualification in regard to the field blanks was not required.

1.5.2 **Method Blanks**

1.5.2.1 **Case No. 1031A**

One water method blank, one soil method blank, and one holding blank were analyzed for the Case. Volatile Organics were detected, as follows.

Sample ID		
VHBLK02L	Methylene Chloride	1.2 ug/L, estimated

Samples R-BLK and T-BLK were qualified as 'U', not detected, at the Contract Required Quantitation Limit (CRQL) for methylene chloride. This qualification was based on the fact that methylene chloride was detected in these samples at less than the CRQL and less than ten times the holding blank result for methylene chloride.

1.5.2.2 **Case No. 30541**

One water method blank and one soil method blank were analyzed for the Case. Volatile Organics were detected, as follows.

Sample ID		
VBLKP99 (Water)	Acetone	8 ug/L, estimated
VBLKN16 (Soil)	Methylene Chloride	5 ug/Kg, estimated
	Acetone	10 ug/Kg

Limits of ten times the respective values above were used for review and qualification of the associated samples. Sample results that were found to be less than ten times the respective blank result were qualified as 'U', not detected. Sample results that were found to be less than the blank limit and were reported at less than the CRQL were qualified as 'U', not detected, at the CRQL.

1.6 GC/MS Instrument Performance Check

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB).

1.7 Tentatively Identified Compounds (TICs)

TICs were generated in accordance with protocol. Copies of the Form I TIC Sheets, with the appropriate qualifiers, are included in Appendix D. TIC compounds for "column bleed" and "siloxane" were qualified as 'R', unusable, in the associated samples.

1.8 Internal Standards

All internal standards were generated within acceptable specifications for area counts and retention time variation.

1.9 Field Duplicates

1.9.1 Case No. 1031A

Samples SUMP and SUMP-DUP were collected as the field duplicates and analyzed for TCL Volatile Organics. Acceptable precision was generated for the duplicate pair, with the exception of acetone, which generated a relative percent difference of 118%.

1.9.2 Case No. 30541

Samples SUMP2 and SUMP2D were collected as the field duplicate samples and analyzed for TCL Volatile Organics. Acceptable precision was generated. Positive results were not detected for either sample.

1.10 Compound Identification

GC/MS qualitative analyses are considered to be acceptable for the data set. Retention times and mass spectra were generated within appropriate quality control specifications.

1.11 Compound Quantitation and Reported Detection Limits

GC/MS quantitative analyses are considered to be acceptable. Sample dilutions, internal standards, and response factors were found to be within acceptable limits.

1.12 System Performance

Acceptable system performance was maintained throughout the analyses of the soil and water samples. This was exhibited through good resolution and consistent chromatographic performance.

2.0 SEMI-VOLATILE ORGANICS BY GC/MS (Base/Neutral and Acid Extractable Organics)

The following items/criteria were reviewed:

- Holding Times
- Surrogate Recovery
- MS/MSD
- Initial and Continuing Calibration
- Blanks (Method and Field)
- GC/MS Instrument Performance Check
- TICs
- Internal Standards
- Field Duplicates
- TCL Compound Identification
- Compound Quantitation and Reported Detection Limits
- System Performance

All items above were generated within acceptable QC specifications, with deviations detailed as follows. Samples SUMP2, SUMP2D, and method blank SBLK15 were qualified as 'R', unusable, for the non-detectable results for the acid-phenol compounds, due to surrogate recovery of less than 10%. In addition, SBLK15 was also qualified as 'R', unusable, for the non-detectable results for the base/neutral compounds. The samples were re-extracted and re-analyzed, generating usable results. The TIC compound for "Aldol" was qualified as 'R', unusable, in the associated samples and the method blank. The remaining data is considered to be valid and usable with the appropriate qualifiers, as noted on the data summary tables in Appendix B and within the following text.

2.1 Holding Times

All holding times were met for extraction and analysis of the soil and water samples, with the following exceptions. The NYSDEC holding time is 5 days from VTSR at the laboratory for extraction, and 40 days from extraction to analysis.

2.1.1 Case No. 30541

Samples SUMP2-RE and SUMP2D-RE were extracted 8 days over the acceptable holding time. These samples were qualified as 'J', estimated, for the positive results, and 'UJ', estimated, for the non-detectable results.

2.2 Surrogate Recovery

All surrogate recovery was found to be generated within acceptable limits for the eight surrogate compounds, with the following exceptions.

2.2.1 Case No. 30541

Sample ID			
SBLK15	Nitrobenzene-d5	4%	(Limit 23-120)
	2-Fluorobiphenyl	12%	(Limit 30-115)
	Terphenyl-d14	3%	(Limit 18-137)
	Phenol-d5	8%	(Limit 24-113)
	2-Fluorophenol	6%	(Limit 25-121)

SUMP2	Phenol-d5	6%
	2-Fluorophenol	6%
SUMP2D	Phenol-d5	5%
	2-Fluorophenol	5%
SBLK80	2-Fluorophenol	273%
SUMP2RE	Phenol-d5	126%
	2-Fluorophenol	202%
SUMP2DRE	Phenol-d5	115%
	2-Fluorophenol	203%

Samples SUMP2 and SUMP2D were qualified as 'R', unusable, for the non-detectable results for the acid-phenol compounds, only. This qualification is due to surrogate recovery of less than 10%. Positive results were not detected for the acid-phenol compounds for these samples. SBLK15 was qualified as 'J', estimated, for the positive results, and 'R', unusable, for the non-detectable results. Samples SUMP2-RE and SUMP2D-RE were previously qualified in *Section 2.1, Holding Times*. Additional qualification was not required for these samples. SBLK80 did not require qualification, due to the fact that only one surrogate was out of specification.

2.3 MS/MSD

2.3.1 Case No. 1031A

One MS/MSD sample set and one batch MSB were analyzed for the Case. Acceptable accuracy and precision were generated.

2.3.2 Case No. 30541

One MS/MSD sample set from batch QC and one batch MSB were provided for the Case. Acceptable accuracy and precision were generated for the batch quality control samples based upon the summary sheets provided in the data package. The raw data for the MS/MSD samples was not included in the package for review. The quantitation report and chromatogram for the MSB were provided to the validator upon request.

2.4 Calibration

All initial and continuing calibrations were performed within acceptable limits for $\overline{RRF}$, % RSD, RRF, and % D, with the exception of the following.

2.4.1 Case No. 1031A

Continuing Calibration:

Date, Time			
11/17/96, 10:24	Di-n-octyl phthalate	25.7% D	(Limit 25%)
11/18/96, 13:37	2,4-Dinitrophenol	27.7%	

The samples associated with the continuing calibrations above were qualified as 'UJ', estimated, for the non-detectable results, for the compounds noted. Positive results were not detected for the compounds affected.

2.4.2 Case No. 30541

Initial Calibration:

Date		
2/13/97	4-Chloroaniline	35.1% RSD (Limit 30%)
2/20/97	4-Chloroaniline	52.2%
	Hexachlorocyclopentadiene	49.4%

Positive results were not detected for the compounds noted above for the associated samples. Therefore, qualification was not required.

Continuing Calibration:

Date, Time		
2/18/97, 12:54	4-Chloroaniline	40.8% D (Limit 25%)
	Hexachlorobutadiene	26.4%
	Hexachlorocyclopentadiene	38.3%
	Pentachlorophenol	26.4%
2/20/97, 23:53	Hexachlorocyclopentadiene	25.9%
	4-Nitroaniline	30.2%

The samples associated with the continuing calibrations above were qualified as 'UJ', estimated, for the non-detectable results, for the compounds noted. Positive results were not detected for the compounds affected.

2.5 Blanks

2.5.1 Field Blanks

2.5.1.1 Case No. 1031A

One rinsate blank was collected and analyzed for Semi-Volatile Organics. Positive results were not detected.

2.5.1.2 Case No. 30541

One field blank and one rinsate blank were collected and analyzed for Semi-Volatile Organics. Positive results were not detected for the rinsate blank. Bis(2-ethylhexyl)phthalate was detected in the field blank at 2 ug/L. The associated samples were qualified as 'U', not detected, for bis(2-ethylhexyl)phthalate, through *Section 2.5.2, Method Blanks*. Additional qualification is not required in relation to the field blanks.

2.5.2 Method Blanks

2.5.2.1 Case No. 1031A

One soil method blank and one water method blank were analyzed for the Case. Semi-Volatile Organics were detected in the water method blank, as follows.

Sample ID		
SBLK01 (Water)	bis(2-ethylhexyl)phthalate	2 ug/L, estimated

Positive results were not detected in the associated rinsate blank, therefore, qualification was not detected.

2.5.2.2 Case No. 30541

Two soil method blanks and one water method blank were analyzed for the Case. Semi-Volatiles were not detected, with the exception of bis(2-ethylhexyl)phthalate at 280 ug/Kg in SBLK15. Samples SUMP2 and SUMP2D were qualified as 'U', not detected, at the CRQL for the compound, due to the fact that the results were found to be less than ten times the method blank and were reported at less than the CRQL.

2.6 GC/MS Instrument Performance Check

Instrument performance was generated within acceptable limits and frequency for Decafluorotriphenylphosphine (DFTPP).

2.7 TICs

TICs were generated in accordance with protocol. The Form I's, including the appropriate qualifiers, are included in Appendix D. The TIC compound for "Aldol" was qualified as 'R', unusable, in the associated samples and method blank.

2.8 Internal Standards

All internal standards were generated within acceptable specifications for area counts and retention time variation, with the following exception.

2.8.1 Case No. 30541

Sample ID	Internal Standard	Reported Area Count	Upper Limit
SUMP2D-RE	Perylene-d12	2821428	2128440

The positive results associated with the perylene-d12 internal standard for SUMP2D-RE were qualified as 'J', estimated, due to the high reported area count noted above.

2.9 Field Duplicates

2.9.1 Case No. 1031A

Samples SUMP and SUMP-DUP were collected as the field duplicates and analyzed for Semi-Volatile Organics. In general, precision was found to be acceptable. However, elevated relative percent difference was generated for various polynuclear aromatic hydrocarbons. Table 1 includes calculated precision for the field duplicate pair.

2.9.2 Case No. 30541

Samples SUMP2 and SUMP2D were collected as the field duplicate samples and analyzed for Semi-Volatile Organics. Acceptable precision was generated for the duplicate pair. Table 2 includes calculated precision.

2.10 TCL Compound Identification

GC/MS qualitative analyses are considered to be acceptable for the data set. Retention times and mass spectra were generated within appropriate quality control specifications.

2.11 Compound Quantitation and Reported Detection Limits

GC/MS quantitative analyses are considered to be acceptable for the data set. Sample dilutions, internal standards and response factors were found to be within acceptable limits.

2.12 System Performance

Acceptable system performance was maintained throughout the analyses of the soil and water samples. This was exhibited through good resolution and consistent chromatographic performance.

3.0 PESTICIDES AND PCBs by GC

The following items/criteria were reviewed:

- Holding Times
- Surrogate Recovery
- MS and MSD
- Blanks (Method and Field)
- Instrument (GC) Performance
- Calibration
- Field Duplicates
- Compound Identification
- Compound Quantitation and Reported Detection Limits

All items above were generated within acceptable QC specifications, with deviations detailed as follows. The non-detectable results for the samples for Case No. 1031A were qualified as 'R', unusable, due to surrogate recovery for TCX at less than 10%. One exception was sample PBLANKMSB for waters, which was found to be usable. These samples should have been re-extracted and re-analyzed by Laboratory Resources, Inc. Samples SUMP2, SUMP2D, and PBLK02 (method blank) were qualified as 'R', unusable, for the non-detectable results, due to surrogate recovery of less than 10%. These samples were re-extracted and re-analyzed and generated usable results. The remaining data is considered to be valid and usable with the appropriate qualifiers, as noted on the data summary tables in Appendix C and within the following text.

3.1 Holding Times

All holding times were met within acceptable time frames for extraction and analysis, with the exceptions as noted below. The NYSDEC holding time is 5 days from VTSR at the laboratory for extraction and 40 days from extraction to analysis.

3.1.1 Case No. 30541

Samples SUMP2-RE and SUMP2D-RE were extracted 13 days beyond the acceptable holding time for Pesticides and PCBs. The samples were qualified as 'J', estimated, for the positive results, and 'UJ', estimated, for the non-detectable results.

3.2 Surrogate Recovery

Surrogate recovery was generated within acceptable limits for percent recovery for both surrogate compounds, with the following exceptions.

3.2.1 **Case No. 1031A**

Sample ID			
PBLK01 (Water)	TCX1	6%	(Advisory Limit 60-150%)
	TCX2	3%	
	DCB1	53%	
	DCB2	56%	
PBLANKMSB (Water)	TCX2	59%	
RBLK	TCX1	3%	
	TCX2	1%	
	DCB1	40%	
	DCB2	42%	
PBLK02 (Soil)	TCX1	0%	
	TCX2	0%	
	DCB1	40%	
	DCB2	42%	
PBLANKMSB (Soil)	TCX1	0%	
	TCX2	0%	
	DCB1	38%	
	DCB2	40%	
SUMP	TCX1	2%	
	TCX2	2%	
SUMPDUP	TCX1	3%	
	TCX2	1%	
SUMP-DUPMS	TCX1	5%	
	TCX2	5%	
	DCB1	42%	
	DCB2	42%	
SUMP-DUPMSD	TCX1	2%	
	TCX2	1%	
	DCB1	46%	
	DCB2	47%	

Sample PBLANKMSB (Water) did not require qualification, due to the fact that only 1 of the 2 surrogate compounds were out of specification. The remaining samples above were qualified as 'J', estimated, for the positive results, and 'R', unusable, for the non-detectable results, due to TCX surrogate recovery of less than 10% for both columns. The samples that generated less than 10% recovery for the surrogates should have been re-extracted and re-analyzed by Laboratory Resources, Inc.

3.2.2 Case No. 30541

Sample ID			
RNSBK2	DCB1	43%	(Advisory Limit 60-150%)
	DCB2	45%	
PBLK02	TCX1	2%	
	TCX2	2%	
	DCB1	0%	
	DCB2	1%	
SUMP2	TCX1	0%	
	TCX2	0%	
	DCB1	0%	
	DCB2	0%	
SUMP2D	TCX1	0%	
	TCX2	0%	
	DCB1	0%	
	DCB2	0%	

Sample RNSBK2 (rinsate blank) did not require qualification, due to the fact that only 1 of the 2 surrogates were out of specification. Samples PBLK02, SUMP2, and SUMP2D were qualified as 'R', unusable, for the non-detectable results, due to surrogate recovery of less than 10%. Positive results were not detected for these samples. These samples were re-extracted and re-analyzed and generated usable results.

3.3 MS/MSD

3.3.1 Case No. 1031A

One MS/MSD sample set and one MSB were analyzed for Pesticides and PCBs for the Case. In most cases, 0% recovery was generated. These quality control samples should have been re-extracted and re-analyzed by the laboratory.

3.3.2 Case No. 30541

One batch MS/MSD for soil and one batch MSB were included in the data package for the Case. Based upon the summary sheets provided, poor recovery (0%) for aldrin was generated for the batch MS sample. Acceptable accuracy was generated for the remaining compounds for the MS/MSD. Poor precision was noted for heptachlor and aldrin. Acceptable accuracy was generated for the batch MSB sample. The project samples were not qualified based upon the batch MS/MSD sample set. The raw data for the MS/MSD samples was not provided in the data package for review. The quantitation reports and chromatograms for the MSB were provided to the validator upon request.

3.4 Blanks

3.4.1 Field Blanks

3.4.1.1 Case No. 1031A

One rinsate blank was collected and analyzed for Pesticides and PCBs. Positive results were not detected for the rinsate blank. However, this sample is considered unusable, due to surrogate recovery of less than 10% for TCX.

3.4.1.2 **Case No. 30541**

One field blank and one rinsate blank were collected and analyzed for Pesticides and PCBs. Positive results were not detected for either blank.

3.4.2 **Method Blanks**

3.4.2.1 **Case No. 1031A**

One water method blank and one soil method blank were analyzed for the Case. Pesticides/PCBs were not detected in the method blanks. However, these samples are considered unusable, due to surrogate recovery of less than 10% for TCX.

3.4.2.2 **Case No. 30541**

Two soil method blanks and one water method blank were analyzed for the Case. Positive results were not detected for Pesticides/PCBs. However, one soil method blank (PBLK02) is considered unusable, due to surrogate recovery of less than 10% for both TCX and DCB.

3.5 **Instrument (GC) Performance**

Adequate chromatographic resolution and instrument sensitivity were achieved through the generation of data within acceptable limits for the Resolution Check Mixtures and Performance Evaluation Mixtures. These included resolution between adjacent peaks, retention time windows, Relative Percent Difference (RPD), and percent breakdown for DDT/Endrin.

3.6 **Calibration**

All initial and continuing calibration was performed within acceptable limits for the individual standard mixtures, with the following exceptions. Review items included resolution, retention time windows, calibration factors (CF), percent RSD for linearity, RPD, and %R.

3.6.1 **Case No. 30541**

Linearity:

Date			
2/23/97	alpha-BHC	22.7% RSD	(Limit 20%)
	delta-BHC	25.5%	

The non-detectable results for the compounds noted above were qualified as 'UJ', estimated. Positive results were not detected for these compounds.

3.7 **Field Duplicates**

3.7.1 **Case No. 1031A**

Samples SUMP and SUMP-DUP were collected as the field duplicate samples and analyzed for Pesticides and PCBs. Positive results were not detected, therefore, acceptable precision was generated. However, these sample results are considered unusable, due to surrogate recovery of TCX at less than 10%.

3.7.2 Case No. 30541

Samples SUMP2 and SUMP2D were collected as the field duplicate samples and analyzed for Pesticides and PCBs. Acceptable precision was generated for the re-analyses.

3.8 **Compound Identification**

GC qualitative analyses are considered to be acceptable. In accordance with protocol, the lower of the two values from the GC columns is reported. However, the following percent differences (%D) between the two GC columns were found to exceed 25%.

3.8.1 Case No. 1031A

Sample ID	Compound	%D
PBLANKMSB (Water)	4,4'-DDD	123.7
PBLANKMSB (Soil)	Aldrin	64.8
SUMP-DUPMSD	Aldrin	26.5

The aldrin result for sample SUMP-DUPMSD was qualified as 'J', estimated. The remaining two samples above were qualified as 'JN', presumptively present at an approximated quantity, for the compounds noted.

3.8.2 Case No. 30541

Sample ID	Compound	%D
SUMP2DRE	Endrin	26.2
	Endosulfan II	53.6
	Endrin Ketone	348.2
SUMP2RE	Endrin	68.5
	Endrin Ketone	97.1

The samples above were qualified as 'JN', presumptively present at an approximated quantity for the compounds noted. However, sample SUMP2D-RE was qualified as 'J', estimated, for endrin.

3.9 **Compound Quantitation and Reported Detection Limits**

GC quantitative analyses are considered to be acceptable for the soil and water samples, with the exceptions as stated within *Sections 3.1* through *3.8*. Supporting data was generated within the appropriate quality control specifications or as stated.

4.0 INORGANIC ANALYSES BY ICP
(Mercury by Cold Vapor, Cyanide by Colorimetric and Spectrophotometric Analyses)

The following items/criteria were reviewed:

- Holding Times
- Initial and Continuing Calibration
- CRDL Standards for ICP
- Blanks (Initial, Continuing Calibration, and Preparation)
- Field Blanks
- ICP Interference Check Sample
- Matrix Spike Sample Recovery
- Laboratory Duplicates
- Field Duplicates
- Laboratory Control Sample (LCS)
- ICP Serial Dilution
- Sample Result Verification

All items above were generated within acceptable QC specifications, with deviations detailed as follows. All data is considered to be valid and usable with the appropriate qualifiers, as noted on the data summary tables in Appendix D and within the following text.

4.1 Holding Times

All holding times were met within the acceptable time frame from VTSR at the laboratory for total metals (180 days), mercury (26 days), and cyanide (12 days).

4.2 Calibration

All initial and continuing calibration was performed within acceptable limits for percent recovery (%R).

4.3 Contract Required Detection Limit (CRDL) Standards for ICP

Percent recovery was found to be within the 80-120% limit, with the following exceptions.

4.3.1 Case No. 1031A

ICP

Selenium	122.8% / -

Sample SUMP was qualified as 'J', estimated, for the selenium result.

4.3.2 Case No. 30541

ICP

Lead	145.8% / 126.8% / 128.3% / 130.3%
Silver	73.1% / 76.2% / 71.0%
Zinc	149.8% / 121.0% / 132.8%
Arsenic	133.6% / 121.2% / 123.8%

The associated sample results within the affected range were qualified as 'J', estimated, for the Inorganics noted above.

4.4 Blanks

4.4.1 Laboratory (Method) Blanks

All initial calibration, continuing calibration, and preparation blanks were generated in accordance with acceptable limits, with the following exceptions.

4.4.1.1 Case No. 1031A

Preparation Blank	(ug/L)
Aluminum	69.120
Calcium	225.406
Copper	2.734
Magnesium	18.890
Manganese	1.485
Zinc	12.518

Preparation Blank	(mg/Kg)
Aluminum	13.557
Calcium	13.761
Lead	0.582
Manganese	0.423
Zinc	0.848

A limit of five times the respective values above was used for review and qualification of the associated water and soil samples. Sample results that were found to be less than the respective blank limit were qualified as 'U', not detected. Sample results that exceed the respective limit do not require qualification.

4.4.1.2 Case No. 30541

Preparation Blank	(ug/L)
Potassium	815.210
Mercury	0.092

Preparation Blank	(mg/Kg)
Aluminum	19.116
Beryllium	0.030
Calcium	30.282
Chromium	0.456
Copper	0.522
Iron	14.930
Manganese	0.278
Zinc	1.252

A limit of five times the respective values above was used for review and qualification of the associated water and soil samples. Sample results that were found to be less than the respective blank limit were qualified as 'U', not detected. Sample results that exceed the respective limit do not require qualification.

4.4.2 **Field Blanks**

4.4.2.1 **Case No. 1031A**

One rinsate blank and one field blank were collected and analyzed for Inorganics for the Case. In general, most of the Inorganics detected in the field blanks were qualified as 'U', not detected, *through Section 4.4.1, Laboratory Method Blanks*. However, the following Inorganics remain after qualification.

F-BLK	(ug/L)
Lead	1.3
Potassium	129
Silver	1.6
Sodium	405

R-BLK	(ug/L)
Barium	1.7
Iron	19.0
Lead	2.4
Potassium	162
Sodium	593

A limit of five times the respective Inorganic values above was used for review and qualification of the associated samples. Sample results that were found to be less than the respective blank limit were qualified as 'U', not detected. Sample results did not require qualification if the concentrations exceeded the respective blank limits.

4.4.2.2 **Case No. 30541**

One rinsate blank and one field blank were collected and analyzed for Inorganics for the Case. In general, most of the Inorganics detected in the field blanks were qualified as 'U', not detected, *through Section 4.4.1, Laboratory Method Blanks*. However, the following Inorganics remain after qualification.

RNSBK2	(ug/L)
Aluminum	194
Iron	26.3
Lead	3.4
Manganese	0.40
Vanadium	2.9
Zinc	3.4

FLDBK2	(ug/L)
Aluminum	191
Cobalt	1.3
Iron	59.9
Manganese	0.51
Sodium	859
Vanadium	2.6

A limit of five times the respective Inorganic values above was used for review and qualification of the associated samples. Sample results that were found to be less than the respective blank limit were qualified

as 'U', not detected. Sample results did not require qualification if the concentrations exceeded the respective blank limits.

4.5 **ICP Interference Check**

The recoveries for the ICP Interference Check samples were found to be within the acceptable 80-120% limit.

4.6 **Spiked Sample Recovery**

All percent recoveries for the matrix spike samples were found to be within the 75-125% limit, with the following exceptions.

4.6.1 **Case No. 1031A**

SUMP	(mg/Kg)
Antimony	66.1%
Copper	-20.3%
Selenium	55.1%
Thallium	73.3%

The soil samples were qualified as 'J', estimated, for the positive results, and 'UJ', estimated, for the non-detectable results, for the Inorganics noted above.

4.6.2 **Case No. 30541**

Batch matrix spike samples were provided for the Inorganics and mercury. SUMP2 was utilized for the cyanide spike, which generated acceptable recovery. The sample results were not qualified based upon the batch matrix spike samples.

4.7 **Laboratory Duplicates**

Relative Percent Difference (RPD) for precision for the water and soil samples was found to be acceptable for all the elements, with the following exceptions.

4.7.1 **Case No. 1031A**

R-BLK	(ug/L)
Iron	187.5% RPD

SUMP	(mg/Kg)
Copper	44.3% RPD
Iron	58.9%
Silver	41.9%

The R-BLK sample was qualified as 'J', estimated, for iron. The soil samples were qualified as 'J', estimated, for the positive results for copper, iron, and silver.

4.7.2 Case No. 30541

Batch laboratory duplicate samples were provided for the Inorganics and mercury. SUMP2 was utilized for the cyanide laboratory duplicate, which generated acceptable precision. The sample results were not qualified based upon the batch laboratory duplicate samples.

4.8 Field Duplicates

4.8.1 Case No. 1031A

Samples SUMP and SUMP-DUP were collected as field duplicate soil samples and analyzed for Inorganics. Acceptable precision was generated for the duplicate pair. However, elevated relative percent difference was noted for calcium, iron, and sodium. Table 3 includes calculated precision for the field duplicate pair.

4.8.2 Case No. 30541

Samples SUMP2 and SUMP2D were collected as the field duplicate soil samples and analyzed for Inorganics. Acceptable precision was generated. Table 4 includes calculated precision for the duplicate pair.

4.9 Laboratory Control Sample (LCS)

The aqueous and solid laboratory control samples were generated within the acceptable limits.

4.10 ICP Serial Dilution

ICP Serial Dilution was found to be within the acceptable 10% limit for percent difference, with the following exception.

4.10.1 Case No. 1031A

SUMP	(mg/Kg)
Zinc	11.8% D

The zinc results for the soil samples were qualified as 'J', estimated.

4.10.2 Case No. 30541

Batch ICP Serial Dilution results were provided for the Case. The associated project samples were not qualified based upon the batch ICP Serial Dilution results.

4.11 Sample Result Verification

Quantitative analyses are considered to be acceptable for the data set. Analyte quantitation was generated in accordance with protocols.

TABLE 1

FIELD DUPLICATE SAMPLE ANALYSIS

PRECISION FOR SEMI-VOLATILES

Peerless Photo Products, Inc. Site

Results in ug/Kg (ppb)

Parameter	SUMP	SUMP-DUP	RPD*
1,2-Dichlorobenzene	160	150	6%
Naphthalene	120	71	51%
2-Methylnaphthalene	370	150	85%
Acenaphthylene	57	62	8%
Dibenzofuran	22	ND	++
Fluorene	ND	23	++
Phenanthrene	280	460	49%
Anthracene	92	180	65%
Carbazole	22	33	40%
di-n-butylphthalate	70	ND	++
Fluoranthene	570	1100	63%
Pyrene	580	1100	62%
Benzo(a)anthracene	440	830	61%
Chrysene	480	870	58%
bis(2-ethylhexyl)phthalate	43	47	9%
Benzo(b)fluoranthene	460	870	62%
Benzo(k)fluoranthene	340	460	30%
Benzo(a)pyrene	430	720	50%
Indeno(1,2,3-cd)pyrene	330	490	39%
Dibenz(a,h)anthracene	150	210	33%
Benzo(g,h,i)perylene	130	170	27%

* Relative Percent Difference (Calculated Precision)
ND Not Detected
++ Unable to be calculated due to non-detected results

TABLE 2

FIELD DUPLICATE SAMPLE ANALYSIS

PRECISION FOR SEMI-VOLATILES

Peerless Photo Products, Inc. Site

Results in ug/Kg (ppb)

Parameter	SUMP2-RE	SUMP2D-RE	RPD*
1,2-Dichlorobenzene	110	100	10%
Phenanthrene	240	210	13%
Anthracene	73	57	25%
Fluoranthene	640	560	13%
Pyrene	460	400	14%
Benzo(a)anthracene	310	300	3%
Chrysene	370	360	3%
Benzo(b)fluoranthene	300	280	7%
Benzo(k)fluoranthene	200	230	14%
Benzo(a)pyrene	400	420	5%
Indeno(1,2,3-cd)pyrene	330	350	6%
Benzo(g,h,i)perylene	500	480	4%

* Relative Percent Difference (Calculated Precision)

ND Not Detected

++ Unable to be calculated due to non-detected results

TABLE 3

FIELD DUPLICATE SAMPLE ANALYSIS

PRECISION FOR INORGANICS

Peerless Photo Products, Inc. Site

Results in mg/Kg (ppm)

Parameter	SUMP	SUMP-DUP	RPD*
Aluminum	7310	6820	7%
Antimony	ND	ND	++
Arsenic	1.5	1.9	24%
Barium	47.1	63.0	29%
Beryllium	ND	0.23	++
Cadmium	68.1	80.0	16%
Calcium	5180	9530	59%
Chromium	15.3	14.5	5%
Cobalt	3.1	2.5	21%
Copper	114	81.2	34%
Iron	22000	9980	75%
Lead	89.1	77.4	14%
Magnesium	1140	1440	23%
Manganese	132	128	3%
Mercury	0.28	0.20	33%
Nickel	7.9	7.0	12%
Potassium	490	546	11%
Selenium	1.1	ND	++
Silver	76.4	125	48%
Sodium	88.2	153	54%
Thallium	ND	ND	++
Vanadium	15.5	17.1	10%
Zinc	97.9	117	18%
Cyanide	ND	ND	++

* Relative Percent Difference (Calculated Precision)

ND Not Detected

++ Unable to be calculated due to non-detected results

TABLE 4

FIELD DUPLICATE SAMPLE ANALYSIS

PRECISION FOR INORGANICS

Peerless Photo Products, Inc. Site

Results in mg/Kg (ppm)

Parameter	SUMP2	SUMP2D	RPD*
Aluminum	8480	7680	10%
Antimony	1.6	1.6	0%
Arsenic	1.5	1.9	24%
Barium	48.5	36.1	29%
Beryllium	0.31	0.29	7%
Cadmium	5.7	4.6	21%
Calcium	1640	953	53%
Chromium	10.7	10.7	0%
Cobalt	3.6	3.4	6%
Copper	19.1	24.5	25%
Iron	10600	9750	8%
Lead	69.8	76.6	9%
Magnesium	1180	1120	5%
Manganese	97.5	95.3	2%
Mercury	0.26	0.36	32%
Nickel	6.6	6.2	6%
Potassium	438	381	14%
Selenium	ND	ND	++
Silver	14.2	15.7	10%
Sodium	ND	ND	++
Thallium	ND	ND	++
Vanadium	17.3	16.3	6%
Zinc	105	91.6	14%
Cyanide	ND	ND	++

* Relative Percent Difference (Calculated Precision)
ND Not Detected
++ Unable to be calculated due to non-detected results

APPENDIX A

DATA SUMMARY TABLES

VOLATILE ORGANICS

PEERLESS PHOTO PRODUCTS, INC. SITE

VOLATILE ORGANICS/SOILS - DATA SUMMARY TABLE

Case No. 1031A, SDG No. T103101

All results reported in ug/Kg

Compound	SUMP	Q	SUMP DUP	Q	VHBLK02S	Q	VBLK49	Q	BLANK MS	Q	SUMP MS	Q	SUMP MSD	Q
Chloromethane	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Vinyl Chloride	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Bromomethane	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Chloroethane	11	U	11	U	10	U	10	U	10	U	11	U	11	U
1,1-Dichloroethene	11	UJ	11	UJ	10	UJ	10	UJ	37	J	40	J	44	J
Carbon Disulfide	11	UJ	11	UJ	10	UJ	10	UJ	10	UJ	11	UJ	11	UJ
Acetone	5	J	19	J	10	U	10	U	10	U	2.3	J	3.7	J
Methylene Chloride	11	U	2	J	10	U	10	U	10	U	1.5	J	11	U
trans-1,2-Dichloroethene	11	U	11	U	10	U	10	U	10	U	11	U	11	U
1,1-Dichloroethane	11	U	11	U	10	U	10	U	10	U	11	U	11	U
cis-1,2-Dichloroethene	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Chloroform	11	U	11	U	10	U	10	U	10	U	11	U	11	U
1,2-Dichloroethane	11	U	11	U	10	U	10	U	10	U	11	U	11	U
2-Butanone	11	U	11	U	10	U	10	U	10	U	11	U	11	U
1,1,1-Trichloroethane	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Carbon Tetrachloride	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Benzene	11	U	11	U	10	U	10	U	41		46		51	
Trichloroethene	11	U	11	U	10	U	10	U	38		43		47	
1,2-Dichloropropane	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Bromodichloromethane	11	U	11	U	10	U	10	U	10	U	11	U	11	U
trans-1,3-Dichloropropene	11	U	11	U	10	U	10	U	10	U	11	U	11	U
cis-1,3-Dichloropropene	11	U	11	U	10	U	10	U	10	U	11	U	11	U
1,1,2-Trichloroethane	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Dibromochloromethane	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Bromoform	11	U	11	U	10	U	10	U	10	U	11	U	11	U
4-Methyl-2-Pentanone	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Toluene	11	U	11	U	10	U	10	U	41		47		52	
Tetrachloroethene	11	U	11	U	10	U	10	U	10	U	11	U	11	U
2-Hexanone	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Chlorobenzene	11	U	11	U	10	U	10	U	41		47		52	
Ethylbenzene	11	U	11	U	10	U	10	U	10	U	11	U	11	U
meta + para-Xylenes	11	U	11	U	10	U	10	U	10	U	11	U	11	U
ortho-Xylene	11	U	11	U	10	U	10	U	10	U	11	U	11	U
Styrene	11	U	11	U	10	U	10	U	10	U	11	U	11	U
1,1,2,2-Tetrachloroethane	11	U	11	U	10	U	10	U	10	U	11	U	11	U

PEERLESS PHOTOPRODUCTS, INC. SITE

VOLATILE ORGANICS/WATERS - DATA SUMMARY TABLE

Case No. 1031A, SDG No. T103101

All results reported in ug/L

Compound	R-BLK	Q	T-BLK	Q	VHBLK02L	Q	VBLK48	Q
Chloromethane	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U
Carbon Disulfide	10	U	10	U	10	U	10	U
Acetone	10	UJ	10	UJ	10	UJ	10	UJ
Methylene Chloride	10	U	10	U	1.2	J	10	U
trans-1,2-Dichloroethene	10	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U
cis-1,2-Dichloroethene	10	U	10	U	10	U	10	U
Chloroform	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U
2-Butanone	10	UJ	10	UJ	10	UJ	10	UJ
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U
Benzene	10	U	10	U	10	U	10	U
Trichloroethene	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	UJ	10	UJ	10	UJ	10	UJ
Bromodichloromethane	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	UJ	10	UJ	10	UJ	10	UJ
Dibromochloromethane	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U
4-Methyl-2-Pentanone	10	U	10	U	10	U	10	U
Toluene	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U
meta + para-Xylenes	10	U	10	U	10	U	10	U
ortho-Xylene	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	UJ	10	UJ	10	UJ	10	UJ

PEERLESS PHOTO PRODUCTS, INC. SITE

VOLATILE ORGANICS/SOILS - DATA SUMMARY TABLE

Case No. 30541

All results reported in ug/Kg

Compound	SUMP2	Q	SUMP2D	Q	VBLKN16	Q
Chloromethane	11	U	11	U	10	U
Bromomethane	11	U	11	U	10	U
Vinyl Chloride	11	U	11	U	10	U
Chloroethane	11	U	11	U	10	U
Methylene Chloride	11	U	11	U	5	J
Acetone	16	U	11	U	10	J
Carbon Disulfide	11	U	11	U	10	U
1,1-Dichloroethene	11	U	11	U	10	U
1,1-Dichloroethane	11	U	11	U	10	U
1,2-Dichloroethene (Total)	11	U	11	U	10	U
Chloroform	11	U	11	U	10	U
1,2-Dichloroethane	11	U	11	U	10	U
2-Butanone	11	UJ	11	UJ	10	UJ
1,1,1-Trichloroethane	11	U	11	U	10	U
Carbon Tetrachloride	11	U	11	U	10	U
Bromodichloromethane	11	U	11	U	10	U
1,2-Dichloropropane	11	U	11	U	10	U
cis-1,3-Dichloropropene	11	U	11	U	10	U
Trichloroethene	11	U	11	U	10	U
Dibromochloromethane	11	U	11	U	10	U
1,1,2-Trichloroethane	11	U	11	U	10	U
Benzene	11	U	11	U	10	U
trans-1,3-Dichloropropene	11	U	11	U	10	U
Bromoform	11	U	11	U	10	U
4-Methyl-2-Pentanone	11	U	11	U	10	U
2-Hexanone	11	UJ	11	UJ	10	UJ
Tetrachloroethene	11	U	11	U	10	U
1,1,2,2-Tetrachloroethane	11	U	11	U	10	U
Toluene	11	U	11	U	10	U
Chlorobenzene	11	U	11	U	10	U
Ethylbenzene	11	U	11	U	10	U
Styrene	11	U	11	U	10	U
Xylene (Total)	11	U	11	U	10	U

PEERLESS PHOTO PRODUCTS, INC. SITE

VOLATILE ORGANICS/WATERS - DATA SUMMARY TABLE

Case No. 30541

All results reported in ug/L

Compound	FLDBK2	Q	RNSBK2	Q	TRIPBK	Q	VBLKP99	Q
Chloromethane	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U
Methylene Chloride	2	J	2	J	2	J	10	U
Acetone	10	U	10	U	10	U	8	J
Carbon Disulfide	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U
1,2-Dichloroethene (Total)	10	U	10	U	10	U	10	U
Chloroform	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U
2-Butanone	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U
Trichloroethene	10	U	10	U	10	U	10	U
Dibromochloromethane	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U
Benzene	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U
4-Methyl-2-Pentanone	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U
Toluene	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U
Xylene (Total)	10	U	10	U	10	U	10	U

APPENDIX B

DATA SUMMARY TABLES

SEMI-VOLATILE ORGANICS

PEERLESS PHOTO PRODUCTS, INC. SITE

SEMIVOLATILE ORGANICS/SOILS - DATA SUMMARY TABLE

All results reported in ug/Kg

Case No. 1031A, SDG No. 103101

Compound	SUMP	Q	SUMP DUP	Q	SBLK01	Q	SBLKMS	Q	SUMP BOTTOM MS	Q	SUMP BOTTOM MSD	Q
Phenol	370	U	360	U	330	U	2200		1800		1800	
bis(2-Chloroethyl)ether	370	U	360	U	330	U	330	U	370	U	370	U
2-Chlorophenol	370	U	360	U	330	U	2100		1800		1800	
1,3-Dichlorobenzene	370	U	360	U	330	U	330	U	370	U	370	U
1,4-Dichlorobenzene	370	U	360	U	330	U	1300		1100		1100	
1,2-Dichlorobenzene	160	J	150	J	330	U	330	U	180	J	190	J
2-Methylphenol	370	U	360	U	330	U	330	U	370	U	370	U
2,2'-oxybis(1-Chloropropane)	370	U	360	U	330	U	330	U	370	U	370	U
4-Methylphenol	370	U	360	U	330	U	330	U	370	U	370	U
N-Nitroso-di-n-propylamine	370	U	360	U	330	U	1300		1200		1200	
Hexachloroethane	370	U	360	U	330	U	330	U	370	U	370	U
Nitrobenzene	370	U	360	U	330	U	330	U	370	U	370	U
Isophorone	370	U	360	U	330	U	330	U	370	U	370	U
2-Nitrophenol	370	U	360	U	330	U	330	U	370	U	370	U
2,4-Dimethylphenol	370	U	360	U	330	U	330	U	370	U	370	U
2,4-Dichlorophenol	370	U	360	U	330	U	330	U	370	U	370	U
1,2,4-Trichlorobenzene	370	U	360	U	330	U	1200		1200		1100	
Naphthalene	120	J	71	J	330	U	330	U	61	J	56	J
4-Chloroaniline	370	U	360	U	330	U	330	U	370	U	370	U
Hexachlorobutadiene	370	U	360	U	330	U	330	U	370	U	370	U
bis(2-Chloroethoxy)methane	370	U	360	U	330	U	330	U	370	U	370	U
4-Chloro-3-Methylphenol	370	U	360	U	330	U	1800		1800		1800	
2-Methylnaphthalene	370		150	J	330	U	330	U	120	J	110	J
Hexachlorocyclopentadiene	370	U	360	U	330	U	330	U	370	U	370	U
2,4,6-Trichlorophenol	370	U	360	U	330	U	330	U	370	U	370	U
2,4,5-Trichlorophenol	920	U	900	U	830	U	830	U	920	U	920	U
2-Chloronaphthalene	370	U	360	U	330	U	330	U	370	U	370	U
2-Nitroaniline	920	U	900	U	830	U	830	U	920	U	920	U
Dimethylphthalate	370	U	360	U	330	U	330	U	370	U	370	U
Acenaphthylene	57	J	62	J	330	U	330	U	48	J	44	J
2,6-Dinitrotoluene	370	U	360	U	330	U	330	U	370	U	370	U
3-Nitroaniline	920	U	900	U	830	U	830	U	920	U	920	U

PEERLESS PHOTO PRODUCTS, INC. SITE

SEMIVOLATILE ORGANICS/SOILS - DATA SUMMARY TABLE
(cont.)

Case No. 1031A, SDG No. 103101

All results reported in ug/Kg

Compound	SUMP	Q	SUMP DUP	Q	SBLK01	Q	SBLKMS	Q	SUMP BOTTOM MS	Q	SUMP BOTTOM MSD	Q
Acenaphthene	370	U	360	U	330	U	1300		1200		1200	
2,4-Dinitrophenol	920	UJ	900	UJ	830	U	830	U	920	UJ	920	UJ
4-Nitrophenol	920	U	900	U	830	U	2300		2200		2100	
Dibenzofuran	22	J	360	U	330	U	330	U	370	U	370	U
2,4-Dinitrotoluene	370	U	360	U	330	U	1200		1300		1200	
Diethylphthalate	370	U	360	U	330	U	330	U	370	U	370	U
4-Chlorophenyl-phenylether	370	U	360	U	330	U	330	U	370	U	370	U
Fluorene	370	U	23	J	330	U	330	U	370	U	370	U
4-Nitroaniline	920	U	900	U	830	U	830	U	920	U	920	U
4,6-Dinitro-2-methylphenol	920	U	900	U	830	U	830	U	920	U	920	U
N-Nitrosodiphenylamine	370	U	360	U	330	U	330	U	370	U	370	U
4-Bromophenyl-phenylether	370	U	360	U	330	U	330	U	370	U	370	U
Hexachlorobenzene	370	U	360	U	330	U	330	U	370	U	370	U
Pentachlorophenol	920	U	900	U	830	U	2200		2300		2100	
Phenanthrene	280	J	460		330	U	330	U	130	J	140	J
Anthracene	92	J	180	J	330	U	330	U	62	J	63	J
Carbazole	22	J	33	J	330	U	330	U	370	U	370	U
Di-n-butylphthalate	70	J	360	U	330	U	330	U	370	U	370	U
Fluoranthene	570		1100		330	U	330	U	370		370	
Pyrene	580		1100		330	U	1100		1400		1400	
Butylbenzylphthalate	370	U	360	U	330	U	330	U	370	U	370	U
3,3'-Dichlorobenzidine	370	U	360	U	330	U	330	U	370	U	370	U
Benzo(a)anthracene	440		830		330	U	330	U	280	J	280	J
Chrysene	480		870		330	U	330	U	320	J	320	J
bis(2-Ethylhexyl)phthalate	43	J	47	J	330	U	71	J	52	J	51	J
Di-n-octylphthalate	370	U	360	U	330	UJ	330	UJ	370	U	370	U
Benzo(b)fluoranthene	460		870		330	U	330	U	290	J	310	J
Benzo(k)fluoranthene	340	J	460		330	U	330	U	280	J	250	J
Benzo(a)pyrene	430		720		330	U	330	U	290	J	310	J
Indeno(1,2,3-cd)pyrene	330	J	490		330	U	330	U	240	J	240	J
Dibenz(a,h)anthracene	150	J	210	J	330	U	330	U	71	J	100	J
Benzo(g,h,i)perylene	130	J	170	J	330	U	330	U	91	J	95	J

PEERLESS PHOTO PRODUCTS, INC. SITE

SEMIVOLATILE ORGANICS/WATERS - DATA SUMMARY TABLE

Case No. 1031A, SDG No. 103101

All results reported in ug/L

Compound	R-BLK	Q	SBLK01	Q
Phenol	10	U	10	U
bis(2-Chloroethyl)ether	10	U	10	U
2-Chlorophenol	10	U	10	U
1,3-Dichlorobenzene	10	U	10	U
1,4-Dichlorobenzene	10	U	10	U
1,2-Dichlorobenzene	10	U	10	U
2-Methylphenol	10	U	10	U
2,2'-oxybis(1-Chloropropane)	10	U	10	U
4-Methylphenol	10	U	10	U
N-Nitroso-di-n-propylamine	10	U	10	U
Hexachloroethane	10	U	10	U
Nitrobenzene	10	U	10	U
Isophorone	10	U	10	U
2-Nitrophenol	10	U	10	U
2,4-Dimethylphenol	10	U	10	U
2,4-Dichlorophenol	10	U	10	U
1,2,4-Trichlorobenzene	10	U	10	U
Naphthalene	10	U	10	U
4-Chloroaniline	10	U	10	U
Hexachlorobutadiene	10	U	10	U
bis(2-Chloroethoxy)methane	10	U	10	U
4-Chloro-3-Methylphenol	10	U	10	U
2-Methylnaphthalene	10	U	10	U
Hexachlorocyclopentadiene	10	U	10	U
2,4,6-Trichlorophenol	10	U	10	U
2,4,5-Trichlorophenol	25	U	25	U
2-Chloronaphthalene	10	U	10	U
2-Nitroaniline	25	U	25	U
Dimethylphthalate	10	U	10	U
Acenaphthylene	10	U	10	U
2,6-Dinitrotoluene	10	U	10	U
3-Nitroaniline	25	U	25	U

PEERLESS PHOTO PRODUCTS, INC. SITE

SEMIVOLATILE ORGANICS/WATERS - DATA SUMMARY TABLE
(cont.)

Case No. 1031A, SDG No. 103101

All results reported in ug/L

Compound	R-BLK	Q	SBLK01	Q
Acenaphthene	10	U	10	U
2,4-Dinitrophenol	25	U	25	U
4-Nitrophenol	25	U	25	U
Dibenzofuran	10	U	10	U
2,4-Dinitrotoluene	10	U	10	U
Diethylphthalate	10	U	10	U
4-Chlorophenyl-phenylether	10	U	10	U
Fluorene	10	U	10	U
4-Nitroaniline	25	U	25	U
4,6-Dinitro-2-methylphenol	25	U	25	U
N-Nitrosodiphenylamine	10	U	10	U
4-Bromophenyl-phenylether	10	U	10	U
Hexachlorobenzene	10	U	10	U
Pentachlorophenol	25	U	25	U
Phenanthrene	10	U	10	U
Anthracene	10	U	10	U
Carbazole	10	U	10	U
Di-n-butylphthalate	10	U	10	U
Fluoranthene	10	U	10	U
Pyrene	10	U	10	U
Butylbenzylphthalate	10	U	10	U
3,3'-Dichlorobenzidine	10	U	10	U
Benzo(a)anthracene	10	U	10	U
Chrysene	10	U	10	U
bis(2-Ethylhexyl)phthalate	10	U	2	J
Di-n-octylphthalate	10	U	10	U
Benzo(b)fluoranthene	10	U	10	U
Benzo(k)fluoranthene	10	U	10	U
Benzo(a)pyrene	10	U	10	U
Indeno(1,2,3-cd)pyrene	10	U	10	U
Dibenz(a,h)anthracene	10	U	10	U
Benzo(g,h,i)perylene	10	U	10	U

PEERLESS PHOTO PRODUCTS, INC. SITE

SEMIVOLATILE ORGANICS/SOILS - DATA SUMMARY TABLE

Case No. 30541

All results reported in ug/Kg

Compound	SUMP2	Q	SUMP2RE	Q	SUMP2D	Q	SUMP2DRE	Q	SBLK15	Q	SBLK80	Q
Phenol	380	R	380	UJ	380	R	380	UJ	330	R	330	U
bis(2-Chloroethyl)ether	380	U	380	UJ	380	U	380	UJ	330	R	330	U
2-Chlorophenol	380	R	380	UJ	380	R	380	UJ	330	R	330	U
1,3-Dichlorobenzene	380	U	380	UJ	380	U	380	UJ	330	R	330	U
1,4-Dichlorobenzene	380	U	380	UJ	380	U	380	UJ	330	R	330	U
1,2-Dichlorobenzene	380		110	J	1200		100	J	330	R	330	U
2-Methylphenol	380	R	380	UJ	380	R	380	UJ	330	R	330	U
2,2'-oxybis(1-Chloropropane)	380	U	380	UJ	380	U	380	UJ	330	R	330	U
4-Methylphenol	380	R	380	UJ	380	R	380	UJ	330	R	330	U
N-Nitroso-di-n-propylamine	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Hexachloroethane	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Nitrobenzene	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Isophorone	380	U	380	UJ	380	U	380	UJ	330	R	330	U
2-Nitrophenol	380	R	380	UJ	380	R	380	UJ	330	R	330	U
2,4-Dimethylphenol	380	R	380	UJ	380	R	380	UJ	330	R	330	U
2,4-Dichlorophenol	380	R	380	UJ	380	R	380	UJ	330	R	330	U
1,2,4-Trichlorobenzene	380	U	380	UJ	55	J	380	UJ	330	R	330	U
Naphthalene	380	U	380	UJ	380	U	380	UJ	330	R	330	U
4-Chloroaniline	380	UJ	380	UJ	380	UJ	380	UJ	330	R	330	U
Hexachlorobutadiene	380	UJ	380	UJ	380	UJ	380	UJ	330	R	330	U
bis(2-Chloroethoxy)methane	380	U	380	UJ	380	U	380	UJ	330	R	330	U
4-Chloro-3-Methylphenol	380	R	380	UJ	380	R	380	UJ	330	R	330	U
2-Methylnaphthalene	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Hexachlorocyclopentadiene	380	UJ	380	UJ	380	UJ	380	UJ	330	R	330	UJ
2,4,6-Trichlorophenol	380	R	380	UJ	380	R	380	UJ	330	R	330	U
2,4,5-Trichlorophenol	910	R	910	UJ	910	R	910	UJ	800	R	800	U
2-Chloronaphthalene	380	U	380	UJ	380	U	380	UJ	330	R	330	U
2-Nitroaniline	910	U	910	UJ	910	U	910	UJ	800	R	800	U
Dimethylphthalate	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Acenaphthylene	380	U	380	UJ	56	J	380	UJ	330	R	330	U
2,6-Dinitrotoluene	380	U	380	UJ	380	U	380	UJ	330	R	330	U
3-Nitroaniline	910	U	910	UJ	910	U	910	UJ	800	R	800	U

PEERLESS PHOTO PRODUCTS, INC. SITE

SEMIVOLATILE ORGANICS/SOILS - DATA SUMMARY TABLE
(cont.)

Case No. 30541

All results reported in ug/Kg

Compound	SUMP2	Q	SUMP2RE	Q	SUMP2D	Q	SUMP2DRE	Q	SBLK15	Q	SBLK80	Q
Acenaphthene	49	J	380	UJ	42	J	380	UJ	330	R	330	U
2,4-Dinitrophenol	910	R	910	UJ	910	R	910	UJ	800	R	800	U
4-Nitrophenol	910	R	910	UJ	910	R	910	UJ	800	R	800	U
Dibenzofuran	380	U	380	UJ	380	U	380	UJ	330	R	330	U
2,4-Dinitrotoluene	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Diethylphthalate	380	U	380	UJ	380	U	380	UJ	330	R	330	U
4-Chlorophenyl-phenylether	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Fluorene	47	J	380	UJ	380	U	380	UJ	330	R	330	U
4-Nitroaniline	910	U	910	UJ	910	U	910	UJ	800	R	800	UJ
4,6-Dinitro-2-methylphenol	910	R	910	UJ	910	R	910	UJ	800	R	800	U
N-Nitrosodiphenylamine	380	U	380	UJ	380	U	380	UJ	330	R	330	U
4-Bromophenyl-phenylether	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Hexachlorobenzene	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Pentachlorophenol	910	R	910	UJ	910	R	910	UJ	800	R	800	U
Phenanthrene	1000		240	J	1100		210	J	330	R	330	U
Anthracene	220	J	73	J	520		57	J	330	R	330	U
Carbazole	47	J	380	UJ	380	U	380	UJ	330	R	330	U
Di-n-butylphthalate	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Fluoranthene	2600		640	J	5600	E	560	J	330	R	330	U
Pyrene	1900		460	J	3700	E	400	J	330	R	330	U
Butylbenzylphthalate	380	U	380	UJ	380	U	380	UJ	330	R	330	U
3,3'-Dichlorobenzidine	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Benzo(a)anthracene	1100		310	J	2700		300	J	330	R	330	U
Chrysene	1300		370	J	2900		360	J	330	R	330	U
bis(2-Ethylhexyl)phthalate	380	U	380	UJ	380	U	380	UJ	280	J	330	U
Di-n-octylphthalate	380	U	380	UJ	380	U	380	UJ	330	R	330	U
Benzo(b)fluoranthene	940		300	J	1800		280	J	330	R	330	U
Benzo(k)fluoranthene	750		200	J	1900		230	J	330	R	330	U
Benzo(a)pyrene	1300		400	J	3000	E	420	J	330	R	330	U
Indeno(1,2,3-cd)pyrene	900		330	J	1600		350	J	330	R	330	U
Dibenz(a,h)anthracene	78	J	380	UJ	140	J	380	UJ	330	R	330	U
Benzo(g,h,i)perylene	1200		500	J	2000		480	J	330	R	330	U

PEERLESS PHOTO PRODUCTS, INC. SITE

SEMIVOLATILE ORGANICS/WATERS - DATA SUMMARY TABLE

Case No. 30541

All results reported in ug/L

Compound	FLDBK2	Q	RNSBK2	Q	SBLK14	Q
Phenol	10	U	10	U	10	U
bis(2-Chloroethyl)ether	10	U	10	U	10	U
2-Chlorophenol	10	U	10	U	10	U
1,3-Dichlorobenzene	10	U	10	U	10	U
1,4-Dichlorobenzene	10	U	10	U	10	U
1,2-Dichlorobenzene	10	U	10	U	10	U
2-Methylphenol	10	U	10	U	10	U
2,2'-oxybis(1-Chloropropane)	10	U	10	U	10	U
4-Methylphenol	10	U	10	U	10	U
N-Nitroso-di-n-propylamine	10	U	10	U	10	U
Hexachloroethane	10	U	10	U	10	U
Nitrobenzene	10	U	10	U	10	U
Isophorone	10	U	10	U	10	U
2-Nitrophenol	10	U	10	U	10	U
2,4-Dimethylphenol	10	U	10	U	10	U
2,4-Dichlorophenol	10	U	10	U	10	U
1,2,4-Trichlorobenzene	10	U	10	U	10	U
Naphthalene	10	U	10	U	10	U
4-Chloroaniline	10	UJ	10	UJ	10	UJ
Hexachlorobutadiene	10	UJ	10	UJ	10	UJ
bis(2-Chloroethoxy)methane	10	U	10	U	10	U
4-Chloro-3-Methylphenol	10	U	10	U	10	U
2-Methylnaphthalene	10	U	10	U	10	U
Hexachlorocyclopentadiene	10	UJ	10	UJ	10	UJ
2,4,6-Trichlorophenol	10	U	10	U	10	U
2,4,5-Trichlorophenol	25	U	25	U	25	U
2-Chloronaphthalene	10	U	10	U	10	U
2-Nitroaniline	25	U	25	U	25	U
Dimethylphthalate	10	U	10	U	10	U
Acenaphthylene	10	U	10	U	10	U
2,6-Dinitrotoluene	10	U	10	U	10	U
3-Nitroaniline	25	U	25	U	25	U

PEERLESS PHOTO PRODUCTS, INC. SITE

SEMIVOLATILE ORGANICS/WATERS - DATA SUMMARY TABLE
(cont.)

Case No. 30541

All results reported in ug/L

Compound	FLDBK2	Q	RNSBK2	Q	SBLK14	Q
Acenaphthene	10	U	10	U	10	U
2,4-Dinitrophenol	25	U	25	U	25	U
4-Nitrophenol	25	U	25	U	25	U
Dibenzofuran	10	U	10	U	10	U
2,4-Dinitrotoluene	10	U	10	U	10	U
Diethylphthalate	10	U	10	U	10	U
4-Chlorophenyl-phenylether	10	U	10	U	10	U
Fluorene	10	U	10	U	10	U
4-Nitroaniline	25	U	25	U	25	U
4,6-Dinitro-2-methylphenol	25	U	25	U	25	U
N-Nitrosodiphenylamine	10	U	10	U	10	U
4-Bromophenyl-phenylether	10	U	10	U	10	U
Hexachlorobenzene	10	U	10	U	10	U
Pentachlorophenol	25	UJ	25	UJ	25	UJ
Phenanthrene	10	U	10	U	10	U
Anthracene	10	U	10	U	10	U
Carbazole	10	U	10	U	10	U
Di-n-butylphthalate	10	U	10	U	10	U
Fluoranthene	10	U	10	U	10	U
Pyrene	10	U	10	U	10	U
Butylbenzylphthalate	10	U	10	U	10	U
3,3'-Dichlorobenzidine	10	U	10	U	10	U
Benzo(a)anthracene	10	U	10	U	10	U
Chrysene	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	2	J	10	U	10	U
Di-n-octylphthalate	10	U	10	U	10	U
Benzo(b)fluoranthene	10	U	10	U	10	U
Benzo(k)fluoranthene	10	U	10	U	10	U
Benzo(a)pyrene	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	10	U	10	U	10	U
Dibenz(a,h)anthracene	10	U	10	U	10	U
Benzo(g,h,i)perylene	10	U	10	U	10	U

APPENDIX C

DATA SUMMARY TABLES

PESTICIDES and PCBs

PEERLESS PHOTO PRODUCTS, INC. SITE

PESTICIDES/SOILS - DATA SUMMARY TABLE

Case No. 1031A, SDG No. 103101

All results reported in ug/Kg

Compound	SUMP	Q	SUMP-DUP	Q	PBLK02	Q	PBLANKMSB	Q	SUMP DUPMS	Q	SUMP DUPMSD	Q
alpha-BHC	1.9	R	1.8	R	1.7	R	1.7	R	1.8	R	1.8	R
beta-BHC	1.9	R	1.8	R	1.7	R	1.7	R	1.8	R	1.8	R
delta-BHC	1.9	R	1.8	R	1.7	R	1.7	R	1.8	R	1.8	R
gamma-BHC (Lindane)	1.9	R	1.8	R	1.7	R	1.7	R	1.8	R	1.8	R
Heptachlor	1.9	R	1.8	R	1.7	R	0.11	J	1.9	J	0.24	J
Aldrin	1.9	R	1.8	R	1.7	R	0.21	JN	4.5	J	0.76	J
Heptachlor epoxide	1.9	R	1.8	R	1.7	R	1.7	R	1.8	R	1.8	R
Endosulfan I	1.9	R	1.8	R	1.7	R	1.7	R	1.8	R	1.8	R
Dieldrin	3.7	R	3.6	R	3.3	R	3.3	R	3.6	R	3.6	R
4,4'-DDE	3.7	R	3.6	R	3.3	R	3.3	R	3.6	R	3.6	R
Endrin	3.7	R	3.6	R	3.3	R	3.3	R	3.6	R	3.6	R
Endosulfan II	3.7	R	3.6	R	3.3	R	3.3	R	3.6	R	3.6	R
4,4'-DDD	3.7	R	3.6	R	3.3	R	3.3	R	3.6	R	3.6	R
Endosulfan sulfate	3.7	R	3.6	R	3.3	R	3.3	R	3.6	R	3.6	R
4,4'-DDT	3.7	R	3.6	R	3.3	R	3.3	R	3.6	R	3.6	R
Methoxychlor	19	R	18	R	17	R	17	R	18	R	18	R
Endrin ketone	3.7	R	3.6	R	3.3	R	3.3	R	3.6	R	3.6	R
Endrin aldehyde	3.7	R	3.6	R	3.3	R	3.3	R	3.6	R	3.6	R
alpha-Chlordane	1.9	R	1.8	R	1.7	R	1.7	R	1.8	R	1.8	R
gamma-Chlordane	1.9	R	1.8	R	1.7	R	1.7	R	1.8	R	1.8	R
Toxaphene	190	R	180	R	170	R	170	R	180	R	180	R
Aroclor-1016	37	R	36	R	33	R	33	R	36	R	36	R
Aroclor-1221	74	R	73	R	67	R	67	R	73	R	73	R
Aroclor-1232	37	R	36	R	33	R	33	R	36	R	36	R
Aroclor-1242	37	R	36	R	33	R	33	R	36	R	36	R
Aroclor-1248	37	R	36	R	33	R	33	R	36	R	36	R
Aroclor-1254	37	R	36	R	33	R	33	R	36	R	36	R
Aroclor-1260	37	R	36	R	33	R	33	R	36	R	36	R

PEERLESS PHOTO PRODUCTS, INC. SITE

PESTICIDES/WATERS - DATA SUMMARY TABLE

Case No. 1031A, SDG No. 103101 All results reported in ug/L

Compound	R-BLK	Q	PBLK01	Q	PBLANKMSB	Q
alpha-BHC	0.050	R	0.050	R	0.050	U
beta-BHC	0.050	R	0.050	R	0.050	U
delta-BHC	0.050	R	0.050	R	0.050	U
gamma-BHC (Lindane)	0.050	R	0.050	R	0.12	
Heptachlor	0.050	R	0.050	R	0.28	
Aldrin	0.050	R	0.050	R	0.28	--
Heptachlor epoxide	0.050	R	0.050	R	0.050	U
Endosulfan I	0.050	R	0.050	R	0.050	U
Dieldrin	0.10	R	0.10	R	0.092	J
4,4'-DDE	0.10	R	0.10	R	0.10	U
Endrin	0.10	R	0.10	R	0.12	
Endosulfan II	0.10	R	0.10	R	0.10	U
4,4'-DDD	0.10	R	0.10	R	0.017	JN
Endosulfan sulfate	0.10	R	0.10	R	0.10	U
4,4'-DDT	0.10	R	0.10	R	0.46	
Methoxychlor	0.50	R	0.50	R	0.50	U
Endrin ketone	0.10	R	0.10	R	0.10	U
Endrin aldehyde	0.10	R	0.10	R	0.10	U
alpha-Chlordane	0.050	R	0.050	R	0.050	U
gamma-Chlordane	0.050	R	0.050	R	0.050	U
Toxaphene'	5.0	R	5.0	R	5.0	U
Aroclor-1016	1.0	R	1.0	R	1.0	U
Aroclor-1221	2.0	R	2.0	R	2.0	U
Aroclor-1232	1.0	R	1.0	R	1.0	U
Aroclor-1242	1.0	R	1.0	R	1.0	U
Aroclor-1248	1.0	R	1.0	R	1.0	U
Aroclor-1254	1.0	R	1.0	R	1.0	U
Aroclor-1260	1.0	R	1.0	R	1.0	U

PEERLESS PHOTO PRODUCTS, INC. SITE

PESTICIDES/SOILS - DATA SUMMARY TABLE

Case No. 30541

All results reported in ug/Kg

Compound	SUMP2	Q	SUMP2D	Q	SUMP2DRE	Q	SUMP2RE	Q	PBLK02	Q	PBLK03	Q
alpha-BHC	1.9	R	1.9	R	1.9	UJ	1.9	UJ	1.7	R	1.7	UJ
beta-BHC	1.9	R	1.9	R	1.9	UJ	1.9	UJ	1.7	R	1.7	U
delta-BHC	1.9	R	1.9	R	1.9	UJ	1.9	UJ	1.7	R	1.7	UJ
gamma-BHC (Lindane)	1.9	R	1.9	R	1.9	UJ	1.9	UJ	1.7	R	1.7	U
Heptachlor	1.9	R	1.9	R	1.9	UJ	1.9	UJ	1.7	R	1.7	U
Aldrin	1.9	R	1.9	R	1.9	UJ	1.9	UJ	1.7	R	1.7	U
Heptachlor epoxide	1.9	R	1.9	R	1.9	UJ	1.9	UJ	1.7	R	1.7	U
Endosulfan I	1.9	R	1.9	R	1.9	UJ	1.9	UJ	1.7	R	1.7	U
Dieldrin	3.7	R	3.7	R	3.7	UJ	3.7	UJ	3.3	R	3.3	U
4,4'-DDE	3.7	R	3.7	R	3.7	UJ	3.7	UJ	3.3	R	3.3	U
Endrin	3.7	R	3.7	R	8.1	J	4.9	JN	3.3	R	3.3	U
Endosulfan II	3.7	R	3.7	R	3.5	JN	3.7	UJ	3.3	R	3.3	U
4,4'-DDD	3.7	R	3.7	R	3.7	UJ	3.7	UJ	3.3	R	3.3	U
Endosulfan sulfate	3.7	R	3.7	R	3.7	UJ	3.7	UJ	3.3	R	3.3	U
4,4'-DDT	3.7	R	3.7	R	3.7	UJ	3.7	UJ	3.3	R	3.3	U
Methoxychlor	19	R	19	R	19	UJ	19	UJ	17	R	17	U
Endrin ketone	3.7	R	3.7	R	6.8	JN	6.1	JN	3.3	R	3.3	U
Endrin aldehyde	3.7	R	3.7	R	3.7	UJ	3.7	UJ	3.3	R	3.3	U
alpha-Chlordane	1.9	R	1.9	R	1.9	UJ	1.9	UJ	1.7	R	1.7	U
gamma-Chlordane	1.9	R	1.9	R	1.9	UJ	1.9	UJ	1.7	R	1.7	U
Toxaphene	190	R	190	R	190	UJ	190	UJ	170	R	170	U
Aroclor-1016	37	R	37	R	37	UJ	37	UJ	33	R	33	U
Aroclor-1221	76	R	75	R	75	UJ	76	UJ	67	R	67	U
Aroclor-1232	37	R	37	R	37	UJ	37	UJ	33	R	33	U
Aroclor-1242	37	R	37	R	37	UJ	37	UJ	33	R	33	U
Aroclor-1248	37	R	37	R	37	UJ	37	UJ	33	R	33	U
Aroclor-1254	37	R	37	R	37	UJ	37	UJ	33	R	33	U
Aroclor-1260	37	R	37	R	37	UJ	37	UJ	33	R	33	U

PEERLESS PHOTO PRODUCTS, INC. SITE

PESTICIDES/WATERS - DATA SUMMARY TABLE

Case No. 30541 **All results reported in ug/L**

Compound	*FLDBK2*	*Q*	*RNSBK2*	*Q*	*PBLK01*	*Q*
alpha-BHC	0.050	UJ	0.050	UJ	0.050	UJ
beta-BHC	0.050	U	0.050	U	0.050	U
delta-BHC	0.050	UJ	0.050	UJ	0.050	UJ
gamma-BHC (Lindane)	0.050	U	0.050	U	0.050	U
Heptachlor	0.050	U	0.050	U	0.050	U
Aldrin	0.050	U	0.050	U	0.050	U
Heptachlor epoxide	0.050	U	0.050	U	0.050	U
Endosulfan I	0.050	U	0.050	U	0.050	U
Dieldrin	0.10	U	0.10	U	0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U
Endrin	0.10	U	0.10	U	0.10	U
Endosulfan II	0.10	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U
Endosulfan sulfate	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.10	U	0.10	U
Methoxychlor	0.50	U	0.50	U	0.50	U
Endrin ketone	0.10	U	0.10	U	0.10	U
Endrin aldehyde	0.10	U	0.10	U	0.10	U
alpha-Chlordane	0.050	U	0.050	U	0.050	U
gamma-Chlordane	0.050	U	0.050	U	0.050	U
Toxaphene	5.0	U	5.0	U	5.0	U
Aroclor-1016	1.0	U	1.0	U	1.0	U
Aroclor-1221	2.0	U	2.0	U	2.0	U
Aroclor-1232	1.0	U	1.0	U	1.0	U
Aroclor-1242	1.0	U	1.0	U	1.0	U
Aroclor-1248	1.0	U	1.0	U	1.0	U
Aroclor-1254	1.0	U	1.0	U	1.0	U
Aroclor-1260	1.0	U	1.0	U	1.0	U

APPENDIX D

DATA SUMMARY TABLES

INORGANICS

PEERLESS PHOTO PRODUCTS, INC. SITE

INORGANICS/SOILS - DATA SUMMARY TABLE

Case No 1031A, SDG No. 103101 All results reported in mg/Kg

Compound	SUMP	Q	SUMP DUP	Q
Aluminum	7310	J	6820	J
Antimony	1.1	U	1.1	U
Arsenic	1.5	B	1.9	B
Barium	47.1		63.0	
Beryllium	0.22	U	0.23	B
Cadmium	68.1		80.0	
Calcium	5180		9530	
Chromium	15.3		14.5	
Cobalt	3.1	B	2.5	B
Copper	114	J	81.2	J
Iron	22000	J	9980	J
Lead	89.1		77.4	
Magnesium	1140		1440	
Manganese	132		128	
Mercury	0.28		0.20	
Nickel	7.9	B	7.0	B
Potassium	490	B	546	B
Selenium	1.1	J	0.66	UJ
Silver	76.4	J	125	J
Sodium	88.2	U	153	U
Thallium	0.89	UJ	0.87	UJ
Vanadium	15.5		17.1	
Zinc	97.9	J	117	J
Cyanide	0.22	U	0.22	U

PEERLESS PHOTO PRODUCTS, INC. SITE

INORGANICS/WATERS - DATA SUMMARY TABLE

Case No 1031A, SDG No. 103101 All results reported in ug/L

Compound	F-BLK	Q	R-BLK	Q
Aluminum	69.3	U	128	U
Antimony	5.0	U	5.0	U
Arsenic	4.0	U	4.0	U
Barium	1.0	U	1.7	B
Beryllium	1.0	U	1.0	U
Cadmium	1.0	U	1.0	U
Calcium	282	U	516	U
Chromium	1.0	U	1.0	U
Cobalt	1.0	U	1.0	U
Copper	3.9	U	8.2	U
Iron	16.0	U	19.0	J
Lead	1.3	B	2.4	B
Magnesium	22.7	U	58.9	U
Manganese	1.7	U	2.2	U
Mercury	0.05	U	0.05	U
Nickel	2.0	U	2.0	U
Potassium	129	B	162	B
Selenium	3.0	U	3.0	U
Silver	1.6	B	1.0	U
Sodium	405	B	593	B
Thallium	4.0	U	4.0	U
Vanadium	1.0	U	1.0	U
Zinc	18.0	U	24.6	U
Cyanide	N.A.		4.0	U

PEERLESS PHOTO PRODUCTS, INC. SITE

INORGANICS/SOILS - DATA SUMMARY TABLE

Case No. 30541 All results reported in mg/Kg

Compound	SUMP2	Q	SUMP2D	Q
Aluminum	8480		7680	
Antimony	1.6	B	1.6	B
Arsenic	1.5	J	1.9	J
Barium	48.5		36.1	B
Beryllium	0.31	B	0.29	B
Cadmium	5.7		4.6	
Calcium	1640		953	B
Chromium	10.7		10.7	
Cobalt	3.6	B	3.4	B
Copper	19.1		24.5	
Iron	10600		9750	
Lead	69.8		76.6	
Magnesium	1180		1120	
Manganese	97.5		95.3	
Mercury	0.26		0.36	
Nickel	6.6	B	6.2	B
Potassium	438	B	381	B
Selenium	0.85	U	0.87	U
Silver	14.2		15.7	
Sodium	131	U	287	U
Thallium	1.1	U	1.1	U
Vanadium	17.3		16.3	
Zinc	105		91.6	
Cyanide	0.49	U	0.44	U

PEERLESS PHOTO PRODUCTS, INC. SITE

INORGANICS/WATERS - DATA SUMMARY TABLE

Case No. 30541

All results reported in ug/L

Compound	RNSBK2	Q	FLDBK2	Q
Aluminum	194	B	191	B
Antimony	4.9	U	4.9	U
Arsenic	4.1	U	4.1	U
Barium	5.7	U	5.7	U
Beryllium	0.10	U	0.10	U
Cadmium	0.40	U	0.40	U
Calcium	97.4	U	97.4	U
Chromium	1.3	U	1.3	U
Cobalt	1.2	U	1.3	B
Copper	1.8	U	1.8	U
Iron	26.3	B	59.9	B
Lead	3.4	J	1.8	U
Magnesium	95.9	U	95.9	U
Manganese	0.40	B	0.51	B
Mercury	0.10	U	0.12	U
Nickel	2.1	U	2.1	U
Potassium	271	U	271	U
Selenium	4.1	U	4.1	U
Silver	2.0	U	2.0	U
Sodium	633	U	859	B
Thallium	5.2	U	5.2	U
Vanadium	2.9	B	2.6	B
Zinc	3.4	J	3.4	U
Cyanide	10.0	U	10.0	U

APPENDIX E

DATA SUMMARY FORMS

TENTATIVELY IDENTIFIED COMPOUNDS

1E

NYSDEC SAMPLE NO.

R-BLK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: LRI Contract:

Lab Code: Case No.: 1031A SAS No.: SDG No.: T103101

Matrix: (soil/water) WATER Lab Sample ID: T611031-02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C9068.D

Level: (low/med) Date Received: 11/2/96

% Moisture: not dec. 100 Date Analyzed: 11/5/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Column Bleed	23.72	7.5	~~JB~~ R
2.				
3.				
4.				
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1E

NYSDEC SAMPLE

SUMP

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: LRI Contract:

Lab Code: ASP Case No.: 1031A SAS No.: SDG No.: T103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-03

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B7076.D

Level: (low/med) LOW Date Received: 11/2/96

% Moisture: not dec. 10 Date Analyzed: 11/7/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	18.94	68	JN
2.	Column Bleed	23.11	8.5	~~J~~ R
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4.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

SUMP DUP

Lab Name: LRI Contract:

Lab Code: ASP Case No.: 1031A SAS No.: SDG No.: T103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B7079.D

Level: (low/med) LOW Date Received: 11/2/96

% Moisture: not dec. 8 Date Analyzed: 11/7/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	18.94	23	JN
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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NYSDEC SAMPLE NO.

T-BLK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: LRI Contract:

Lab Code: Case No.: 1031A SAS No.: SDG No.: T103101

Matrix: (soil/water) WATER Lab Sample ID: T611031-05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C9069.D

Level: (low/med) Date Received: 11/2/96

% Moisture: not dec. 100 Date Analyzed: 11/5/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Column Bleed	23.71	8.2	~~JB~~ R
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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1E

NYSDEC SAMPLE

VHBLK02S

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: LRI Contract:

Lab Code: ASP Case No.: 1031A SAS No.: SDG No.: T103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B7078.D

Level: (low/med) LOW Date Received: 11/2/96

% Moisture: not dec. 0 Date Analyzed: 11/7/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	18.94	32	JN
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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22.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

VHBLK02L

Lab Name: LRI Contract:

Lab Code: Case No.: 1031A SAS No.: SDG No.: T103101

Matrix: (soil/water) WATER Lab Sample ID: T611031-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C9070.D

Level: (low/med) Date Received: 11/2/96

% Moisture: not dec. 100 Date Analyzed: 11/5/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Column Bleed	23.73	9	~~JB~~ R
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

VBLK48

Lab Name: LRI Contract:

Lab Code: Case No.: 1031A SAS No.: SDG No.: T103101

Matrix: (soil/water) WATER Lab Sample ID: VBLK48

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C9067.D

Level: (low/med) Date Received:

% Moisture: not dec. 100 Date Analyzed: 11/5/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Column Bleed	23.72	6.2	JN
2.				
3.				
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1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK49

Lab Name: LRI Contract:

Lab Code: CLP Case No.: 1031A SAS No.: SDG No.: T103101

Matrix: (soil/water) SOIL Lab Sample ID: VBLK49

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B7072.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 11/7/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	18.95	85	JN
2.	Column Bleed	23.09	11	JN
3.				
4.				
5.				
6.				
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1F

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

R-BLK

Lab Name: Contract: SVA_ASP1

Lab Code: Case No.: 1031A SAS No.: L SDG No.: 103101

Matrix: (soil/water) WATER Lab Sample ID: T611031-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D5715

Level: (low/med) LOW Date Received: 11/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:11/05/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/17/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	16.08	4	JN
2.		UNKNOWN	19.03	5	JN
3.		UNKNOWN	21.72	3	JN
4.					
5.					
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NYSDEC SAMPLE NO.

SUMP

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Contract: SVA_ASP1

Lab Code: Case No.: 1031A SAS No.: L SDG No.: 103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D5742

Level: (low/med) LOW Date Received: 11/02/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/05/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/18/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.7

Number TICs found: 25

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.52	220	JN
2.		UNKNOWN	2.10	230	J
3.		UNKNOWN	2.98	7900	J
4.		UNKNOWN HYDROCARBON	6.59	350	J
5.		UNKNOWN HYDROCARBON	8.78	510	J
6.		UNKNOWN HYDROCARBON	10.79	960	J
7.		UNKNOWN HYDROCARBON	11.04	270	J
8.		UNKNOWN HYDROCARBON	11.79	240	J
9.		UNKNOWN HYDROCARBON	11.96	210	J
10.		UNKNOWN HYDROCARBON	12.12	890	J
11.		UNKNOWN HYDROCARBON	12.63	1600	J
12.		AROMATIC HYDROCARBON	12.78	360	J
13.		UNKNOWN HYDROCARBON	13.33	220	J
14.		UNKNOWN HYDROCARBON	13.72	230	J
15.		UNKNOWN HYDROCARBON	13.93	430	J
16.		UNKNOWN HYDROCARBON	14.35	1400	J
17.		UNKNOWN HYDROCARBON	15.33	730	J
18.		UNKNOWN HYDROCARBON	15.95	1300	J
19.		AROMATIC HYDROCARBON	16.73	310	J
20.		UNKNOWN HYDROCARBON	17.47	590	J
21.		UNKNOWN	18.38	320	J
22.		UNKNOWN	20.60	260	J
23.		UNKNOWN	22.57	300	J
24.		UNKNOWN	25.97	180	J
25.		AROMATIC HYDROCARBON	31.86	240	J
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27.					
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NYSDEC SAMPLE NO.

SUMP DUP

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Contract: SVA_ASP1

Lab Code: Case No.: 1031A SAS No.: L SDG No.: 103101

Matrix: (soil/water) SOIL Lab Sample ID: T611031-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D5747

Level: (low/med) LOW Date Received: 11/02/96

% Moisture: 8 decanted: (Y/N) N Date Extracted:11/05/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/18/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.0

Number TICs found: 25

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.52	270	JN
2.		UNKNOWN	2.95	7300	J
3.		UNKNOWN	4.55	130	J
4.		UNKNOWN	6.58	190	J
5.		UNKNOWN	7.68	130	J
6.		UNKNOWN HYDROCARBON	8.77	230	J
7.		UNKNOWN HYDROCARBON	10.76	360	J
8.		UNKNOWN HYDROCARBON	12.10	250	J
9.		UNKNOWN HYDROCARBON	12.59	490	J
10.		AROMATIC HYDROCARBON	12.77	150	J
11.		UNKNOWN HYDROCARBON	14.31	380	J
12.		AROMATIC HYDROCARBON	14.65	260	J
13.		UNKNOWN	14.78	200	J
14.		UNKNOWN HYDROCARBON	15.32	240	J
15.		UNKNOWN HYDROCARBON	15.92	360	J
16.		AROMATIC HYDROCARBON	16.71	150	J
17.		UNKNOWN HYDROCARBON	17.44	190	J
18.		AROMATIC HYDROCARBON	21.58	160	J
19.		AROMATIC HYDROCARBON	21.91	160	J
20.	57-10-3	HEXADECANOIC ACID	22.48	480	J
21.		AROMATIC HYDROCARBON	22.57	200	J
22.		UNKNOWN	25.97	130	J
23.		AROMATIC HYDROCARBON	29.34	170	J
24.		AROMATIC HYDROCARBON	31.45	190	J
25.		AROMATIC HYDROCARBON	31.88	330	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SBLK01

Lab Name: Contract: SVA_ASP1

Lab Code: Case No.: 1031A SAS No.: L SDG No.: 103101

Matrix: (soil/water) WATER Lab Sample ID: SBLK16486T1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D5702

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted:11/05/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/17/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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NYSDEC SAMPLE NO.

SBLK01

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Contract: SVA_ASP1

Lab Code: Case No.: 1031A SAS No.: L SDG No.: 103101

Matrix: (soil/water) SOIL Lab Sample ID: SBLK16487T1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D5709

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted:11/05/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/17/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FLDBK2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054101

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5138.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. _____ Data Analyzed: 02/13/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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9.					
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NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RNSBK2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054102

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5139.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. _____ Data Analyzed: 02/13/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SUMP2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054104

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N2555.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. 12 Data Analyzed: 02/12/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SUMP2D

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N2556.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. 11 Data Analyzed: 02/12/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	22.030	12	~~J~~ R
2.					
3.					
4.					
5.					
6.					
7.					
8.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TRIPBK

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054103

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5137.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: not dec. _____ Data Analyzed: 02/13/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.700	5	J N
2.					
3.					
4.					
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NYSDEC SAMPLE NO.

VBLKN16

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: VBLKN16

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N2544.D

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

% Moisture: not dec. 0 Data Analyzed: 02/12/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKP99

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: VBLKP99

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5136.D

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

% Moisture: not dec. _____ Data Analyzed: 02/13/97

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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NYSDEC SAMPLE NO.

FLDBK2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5118.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/12/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 8

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.269	16	JB
2.		UNKNOWN	3.445	11	JB
3.		UNKNOWN	4.164	45	JB
4.		UNKNOWN	4.235	58	JB
5.		UNKNOWN	4.463	2	J
6.		UNKNOWN	4.849	2	J
7.		UNKNOWN	7.324	2	J
8.		UNKNOWN	8.816	5	J
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
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NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RNSBK2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: 3054102

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5119.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/12/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.268	51	JB N
2.		UNKNOWN	3.444	8	JB
3.		UNKNOWN	4.164	9	JB
4.		UNKNOWN	4.234	13	JB
5.		UNKNOWN	5.708	4	J
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7.					
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NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SUMP2

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054104

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5121.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted: 02/11/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/18/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ~~7.0~~ 6.8 SR 2/14

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	3.108	1100	J
2.		UNKNOWN	3.336	980	J
3.		UNKNOWN AROMATIC	13.165	190	J
4.		UNKNOWN AROMATIC	13.218	290	J
5.		UNKNOWN AROMATIC	13.411	310	J
6.		UNKNOWN AROMATIC	13.762	150	J
7.		UNKNOWN AROMATIC	14.323	120	J
8.		UNKNOWN	14.517	150	J
9.		UNKNOWN AROMATIC	16.026	140	J
10.		UNKNOWN AROMATIC	16.219	170	J
11.		UNKNOWN	17.114	140	J
12.		UNKNOWN AROMATIC	18.448	120	J
13.		UNKNOWN AROMATIC	20.396	150	J
14.		UNKNOWN AROMATIC	20.923	900	J
15.		UNKNOWN	22.169	160	J
16.		UNKNOWN AROMATIC	24.205	160	J
17.		UNKNOWN AROMATIC	24.872	160	J
18.		UNKNOWN AROMATIC	25.942	240	J
19.		UNKNOWN AROMATIC	26.153	280	J
20.		UNKNOWN AROMATIC	27.434	190	J
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NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SUMP2RE

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054104

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5167.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted: 02/20/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/21/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 12

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	3.248	470	JB N
2.		ALDOL	3.423	28000	~~AJB~~ R
3.		UNKNOWN	3.915	780	J N
4.		UNKNOWN	4.406	110	JB N
5.		UNKNOWN AROMATIC	13.305	90	J N
6.		UNKNOWN	14.217	320	J N
7.		UNKNOWN	14.709	130	JB N
8.		UNKNOWN	16.095	120	J N
9.		UNKNOWN	16.639	100	JB N
10.		UNKNOWN AROMATIC	20.694	290	J N
11.		UNKNOWN AROMATIC	25.555	94	J N
12.		UNKNOWN AROMATIC	25.748	120	J N
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14.					
15.					
16.					
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NYSDEC SAMPLE NO.

SUMP2D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5122.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted:02/11/97

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	3.111	1100	J
2.		UNKNOWN	3.339	970	J
3.		UNKNOWN AROMATIC	13.167	430	J
4.		UNKNOWN AROMATIC	13.238	370	J
5.		UNKNOWN AROMATIC	13.413	720	J
6.		UNKNOWN AROMATIC	13.764	350	J
7.		UNKNOWN AROMATIC	14.326	530	J
8.		UNKNOWN AROMATIC	14.536	400	J
9.		UNKNOWN AROMATIC	19.714	280	J
10.		UNKNOWN AROMATIC	20.416	350	J
11.		UNKNOWN	20.679	240	J
12.		UNKNOWN AROMATIC	20.960	2000	J
13.		UNKNOWN AROMATIC	21.364	480	J
14.		UNKNOWN AROMATIC	22.206	280	J
15.		UNKNOWN	23.066	290	J
16.		UNKNOWN	24.242	600	J
17.		UNKNOWN AROMATIC	24.909	420	J
18.		UNKNOWN AROMATIC	25.997	490	J
19.		UNKNOWN AROMATIC	26.208	510	J
20.		UNKNOWN AROMATIC	27.489	360	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
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1F

NYSDEC SAMPLE NO.

SUMP2DRE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: 3054105

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5169.D

Level: (low/med) LOW Date Received: 02/07/97

% Moisture: 12 decanted: (Y/N) N Date Extracted:02/20/97

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/21/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	3.248	440	JB N
2.		ALDOL	3.424	25000	~~AJB~~ R
3.		UNKNOWN	3.915	710	J N
4.		UNKNOWN	4.406	100	JB N
5.		UNKNOWN	14.217	100	J N
6.		UNKNOWN	15.639	160	J N
7.		UNKNOWN AROMATIC	18.307	78	J N
8.		UNKNOWN AROMATIC	20.694	280	J N
9.		UNKNOWN AROMATIC	25.766	91	J N
10.					
11.					
12.					
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NYSDEC SAMPLE NO.

SBLK14

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) WATER Lab Sample ID: SWB0212A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5117.D

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/12/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.0

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.266	4	J
2.		UNKNOWN	3.424	8	J
3.		UNKNOWN	4.161	40	J
4.		UNKNOWN	4.231	69	J
5.					
6.					
7.					
8.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SBLK15

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: SSB0211A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5120.D

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

% Moisture: 0 decanted: (Y/N) N Date Extracted:02/11/97

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/18/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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7.					
8.					
9.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

SBLK80

Lab Name: NYTEST ENV INC Contract: 9723033

Lab Code: NYTEST Case No.: 30541 SAS No.: SDG No.: 30541

Matrix: (soil/water) SOIL Lab Sample ID: SSB0220A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5166.D

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 02/20/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/21/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	3.252	800	J N
2.		ALDOL	3.445	35000	~~AJ~~ R
3.		UNKNOWN HYDROCARBON	3.902	1200	J N
4.		UNKNOWN	4.393	140	J
5.		UNKNOWN HYDROCARBON	14.222	210	J
6.		UNKNOWN	14.695	110	J
7.		UNKNOWN HYDROCARBON	15.749	150	J
8.		UNKNOWN AROMATIC	16.117	130	J
9.		UNKNOWN	16.661	210	J
10.		UNKNOWN	17.732	200	J V
11.					
12.					
13.					
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APPENDIX F

DATA QUALIFIERS

ORGANIC DATA QUALIFIERS

U - Indicates that the compound was analyzed for, but not detected at or above the Contract Required Quantitation Limit (CRQL), or the compound is not detected due to qualification through the method or field blank.

J - The associated numerical value is an estimated quantity.

JN - Tentatively identified with approximated concentrations (Volatile and Semi-Volatile Organics). Presumptively present at an approximated quantity (Pesticides/PCBs).

UJ - The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance from quality control limits.

C - Applies to Pesticide results where the identification has been confirmed by GC/MS.

E - Reported value is estimated due to quantitation above the calibration range.

D - Reported result taken from diluted sample analysis.

A - Aldol condensation product.

R - Reported value is unusable and rejected due to variance from quality control limits.

NA - Not Analyzed.

INORGANIC DATA QUALIFIERS

U - Indicates analyte not detected at or above the Contract Required Detection Limit (CRDL), or the compound is not detected due to qualification through the method or field blank.

B - Indicates analyte result is between Instrument Detection Limit (IDL) and CRDL.

J - The reported value is estimated due to variance from quality control limits.

UJ - The element was analyzed for, but not detected. The sample quantitation limit is an estimate due to variance from quality control limits.

E - Reported value is estimated because of the presence of interference.

R - Reported value is unusable and rejected due to variance from quality control limits.

NA - Not analyzed.

APPENDIX G

NYSDEC ASP SUMMARY SHEETS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
FLDBLK2	30541101	X	X		X	X	X
TRNSBK2	02		X		X	X	X
TRIPBK	03						
SUMP2	04		X		X	X	X
SUMP2D	05		X		X	X	X
NRBSW1	06					X	X
NRBSW2	07						
NRBSW3	08						
NRBSW4	09						
NRBSW5	10						

000011

NYTEST ENVIRONMENTAL, inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
30541-01	AQ	02-06-97	02-07-97	02-12-97	02-18-97
30541-02	↓	↓	↓	↓	↓
30541-04	Soil	↓	↓	02-11-97 / 02-20-97	02-18-97 / 02-20-97
30541-05	↓	↓	↓	02-11-97 / 02-20-97	02-18-97 / 02-20-97

NYTEST ENVIRONMENTAL, inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxillary Cleanup	Dil / Conc. Factor
30541-01	AQ	NYSASP '91	Cont.	AS REQUIRED	AS REQUIRED
30541-02	↓	↓	↓	↓	↓
30541-04	Soil	↓	Sonic	↓	↓
30541-05	↓	↓	↓	↓	↓

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
3054101	WATER	02/06/97	02/07/97	NA	02/13/97
02	↓	↓	↓	↓	↓
03	↓	↓	↓	↓	↓
04	SOIL	↓	↓	↓	02/12/97
05	↓	↓	↓	↓	↓
					000014

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE / PCB
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
3054101	WATER	02/06/97	02/10/97	02/12/97	02/24/97
3054102	WATER	02/06/97	02/10/97	02/12/97	02/24/97
3054103	SOIL	02/06/97	02/10/97	02/11/97	02/24/97
3054103RE	SOIL	02/06/97	02/10/97	02/25/97	02/27/97
3054104	SOIL	02/06/97	02/10/97	02/11/97	02/24/97
3054104RE	SOIL	02/06/97	02/10/97	02/25/97	02/27/97
			2/1/97		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
30541-01	Water	Tcl metals, CN	2-7-97	2-13-97 2-18-97	2-14-97 2-19-97
-02	↓	↓	↓	↓	↓
-04	Soil			2-13-97 2-20-97	2-14-97 2-21-97
-05	↓				
-06					
-07					
-08					
-09					
-10	↓	↓	↓	↓	↓

Laboratory Resources, Inc.

did not provide

NYSDEC ASP Summary

Sheets in

the data package.

APS
3/27/97

APPENDIX H

CASE NARRATIVES

Laboratory Resources INC.
...boro Division
...lster Road
...boro, New Jersey 07608
X: 201-288-5311
1-288-3780

SDG NARRATIVE
FOR ORGANICS NYASP

Lab Name: LRI Client: AGFA

Project: Former Peerless Photo Lab Order No.: T611031

CASE No.: 1031A SDG No.: 103101

The following samples are included in this Sample Delivery Group:

LAB ID #	MATRIX	CLIENT ID #Sample ID to be used on forms	
T611031-1	water	Field Blank	F-BLK
T611031-2	water	Rinsate Blank	R-BLK
T611031-3	soil	Sump Bottom	Sump
T611031-4	soil	Sump Bottom-Dup	Sump Dup
T611031-5	water	Trip Blank	T-BLK
T611031-6	soil	VHBLK02S	VHBLK02S
T611031-7	water	VHBLK02W	VHBLK02L

The following informations are for the GC Columns used for Volatile and Semivolatile analyses and the Trap used for Volatile analysis:

Volatile:
Gc Column ID: DB624
Brand Name: J&W
ID: 0.53 mm
ColumnLength: 30 m
Packing/Coating Material and film Thickness : 0.3 um

Semivolatile BNA:
Gc Column ID: DB-5
Brand Name: Restek
ID: 0.25 mm
ColumnLength: 30 m
Packing/Coating Material and film Thickness : 0.5 um

Pesticide/PCB's:
Gc Column ID: RTx-1701, RTx-5
Brand Name: Restek
ID: 0.53 mm
ColumnLength: 30 m
Packing/Coating Material and film Thickness : 0.5 um

Volatile:

Trap:	**K (VOCARB3000)**
Trap Contents:	**Carbopack B/Carboxen 1000 & 1001**
Cat. No.:	**2-1006**
Trademark:	**VOCARB-Supelco, Inc.**
Trap Length:	**27 cm**

Detailed Documentation of Problems Encountered With These Samples are:

General:

1. Please note that for the cross reference check the Lab sample ID. with Client Sample ID. are listed above on this SDG CASE Narrative, due to the limited character.

2. The above samples for TCL-Organics as NYASP CLP (VOA, SVOA and Pest/PCB) were analyzed at LRI NJ-Division as per the Contract requirements and with the Organic Chain-of-Custody record.

Volatile Fraction:

1. Please note that samples in the Volatile fraction were analyzed on the newly installed, PC-based, HP-Mustang /Enviroquant data acquisition system. The Enviroquant system is set up to report 1,2-Dichloroethene (total) as cis-1,2-Dichloroethene and trans-1,2-Dichloroethene and Xylene (total) as m, p-Xylenes and o-Xylene. Therefore, any positive hits for the above isomers should be added up, to produce the "total" concentration for the specific compound.

2. All the above samples, Blank, Matrix spike and Matrix Spike duplicate were analyzed within the contract required holding time as per NYASP for Volatile fraction.

3. Sample T611031-03 (SUMP) for soil samples were analyzed for MS/MSD for this SDG of soil samples.

4. Column bleed peaks were present in the library search of method blank VBLK48 (data file: C9067).

Semivolatile Fraction:

1. All the above samples, Blank, Blank spike, Matrix Spike and Matrix Spike Duplicate were extracted and then analyzed within the contract required holding time as per NYASP CLP for Semivolatile BNA fraction.

2. Samples T611031-03 (SUMP) was analyzed for MS/MSD for this SDG of soil samples as a batch QC sample and blank spike meeting the QC criteria.

Pesticides/PCB's:

1. All the above samples, Blank, Blank spike, Matrix Spike and Matrix Spike Duplicate were extracted and then analyzed within the contract required Holding time as per NYASP CLP for Pesticides/PCB's fraction.

2. Sample T611031-04 (SUMP-DUP) was analyzed for MS/MSD for this SDG of sample as a batch QC sample, the spike recovery of all spike compounds were out of the QC limits on the batch QC sample, due to possible matrix interference, also spike recovery for all compounds on the PBLK MS were were outside of the Limits.

3. The surrogate recovery of TCX and/or DCB were outside of the QC limits on all the samples and PBLK01, PBLK02, PBLKMS.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

01-09-97

Moe R. Amirsoleymani
CLP/ASP, QA/QC Manager

THE NYASP CLP DATA PACKAGE IS AS FOLLOWING: CASE NARRATIVE, CHAIN-OF-CUSTODYS, FOLLOWED BY VOLATILE, SEMIVOLATILES and Pest/PCB's FRACTION AS NYASP CLP ORDER AND FINALY THE MISCELLANEOUS PAGE, SUCH AS: SAMPLE PREP LOG, GC/MS, GC ANALYSIS RUN LOG; Internal-Chain-of-Custody AND SAMPLE LOG-IN SHEET, ETC...

NOTE:
The cooler temperature was at1.3 degree centigrade upon the receiving of the samples on 11-02-96.

NARRATIVE DISCUSSION
VOLATILES - 30541

INTRODUCTION

This narrative covers the analysis of three aqueous samples and two soil samples in accordance with protocols based on NYSDEC ASP 12/91.

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples meet all method requirements.

SURROGATES (SYSTEM MONITORING COMPOUNDS)

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blanks were within QC limits.

MATRIX SPIKES

All spike recoveries and RPD values fell within the advisory QC limits.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

No analytical problems were encountered.

NARRATIVE DISCUSSION
SEMIVOLATILES - 30541

INTRODUCTION

This narrative covers the analysis of two aqueous samples and two soil samples in accordance with protocols based on NYSDEC ASP (12/91).

HOLDING TIMES

The extraction and analytical holding times for this analysis were met. Samples SUMP2 and SUMP2D were reextracted outside of the allowable holding time.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method. All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples met all method requirements. Method Blank 15 has a low surrogate recovery. No target analytes were detected in method blanks SBLK14 and SBLK80. Bis(2 ethylhexyl)phthalate was detected in method blank SBLK15. Four Tics were detected in method blank SBLK14 and ten TICs were detected in method blank SBLK80. The TIC detected at retention time 3.45 is a product of Aldol condensation.

SURROGATES

Surrogate recoveries were within QC limits with the exception of samples SBLK15, SUMP2 and SUMP2D. Reextraction was performed, on samples SUMP2 ans SUMP2D, and similar results were obtained which is indicative of sample matrix affects. Both sets of data are included.

MATRIX SPIKES

Matrix spikes were not designated to be performed on any of the samples covered by this report. Batched QC is being supplied. Note that non site specific QC may demonstrate differing matrix affects than samples contained in this login. The applicable Form 3 is, therefore, being supplied.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range, with the exception of sample SUMP2DRE.

SAMPLE COMMENTS

Samples SUMP2D in the original run contains target analytes Fluoranthene, Pyrene and Benzo(a)pyrene at concentrations above limits. Samples were reextracted and target compounds are within limits. No other analytical problems were encountered.

NARRATIVE DISCUSSION
PESTICIDES/PCBs 30541

INTRODUCTION

This narrative covers the analysis of four (4) samples in accordance with protocols based on NYSDEC ASP (12/91).

HOLDING TIMES

All extraction and analytical holding times for this analysis were met.

CALIBRATIONS

All initial and continuing calibrations associated with these sample analyses met QC criteria.

METHOD BLANKS

No target compounds were detected in the method blank associated with these analyses.

SURROGATES

The water sample RNSBK2 had DCB surrogate recovery outside advisory QC limits. The method blank and soil samples extracted 2/11/97 had no recovery of TCX or DCB. These samples were reextracted on 2/25/97. All extracts from 2/25/97 had surrogate recovery within advisory QC limits. Both the analyzes from 2/11/97 and 2/25/97 are submitted.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE (MS/MSD)

A sample was not designated for an MS/MSD for this SDG. Batch QC is submitted. One (1) out of twelve (12) recoveries were outside of QC limits. Two (2) out of six (6) RPD values were outside QC limits. The compounds that did not meet QC limits were detected in the unspiked sample, NEI believes this is the reason the recovery and RPD values of these compounds were outside QC range. An MSB is also submitted. All recovery values are within QC limits for the MSB.

SAMPLES COMMENTS

No analytical problems were encountered.

CASE NARRATIVE
METALS

Login No: 30541

HOLDING TIMES

All samples associated with this LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of ± 50%. Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample SUMP2 was utilized as the matrix spike sample for the analyses of cyanide in soil.

Site specific QC was not requested for this login, therefore, batch QC's 30404 and 30543 are being supplied. Note that any matrix effects demonstrated by the batch QC samples may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Sb, Cr, Cu, Pb, Mn, and Zn. A post-digestion spike was performed for the affected analytes and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample SUMP2 was utilized as the duplicate sample for the analyses of cyanide in soil.

Site specific QC was not requested for this login, therefore, batch QC's 30404 and 30543 are being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of Ca, Cr, and Pb. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that the distilled ICV is used as the LCS for Cyanide analyses.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on a batch sample. All percent differences (%D) were within the ± 10% acceptance limits, with the exception of Mn, Ni, V, and Zn, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in CLP SOW ILM03.0.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or her designee, as verified by the following signature.

Lori Beyer
Laboratory Director

APPENDIX I

CHAIN-OF-CUSTODY FORMS

NEI (516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

page # 1 of 1

Client Name: FluoR DANiEL GTI
Address: 101-1 CoLiN DRivE, Holbrook, N.Y. 11741
Project Manager: JoE BAsiLE
Phone: (718) 370-5631 FAX (718) 370-5864
Project Name: AGFA
Project Number: 01110-0486
P.O. #:
Analytical Protocol: ASP/CLP 12-91 Protocols Deliverables 10 DAY TAT
Sampled By: CHRis Bona / ED STARKE

Login #: 30241
Ship to: Nytest Environmental Inc., 60 Seaview Blvd, Port Washington N.Y. 11050, Attn.: Sample Control
Date Shipped: 2/8/97
Carrier: LAB COURIER
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	TCL	TAL	TCL VOL.	Comments
FLDBK2	2/6	11:00		9	X	X		
RNSBK2	2/6	11:15		9	X	X		
TRiPBK	2/6	—		2			X	
SUMP2	2/6	11:30		5	X	X		
SUMP2D	2/6	11:30		5	X	X		

Relinquished by	Date / Time	Received by	Date / Time
Relinquished by: [signature] Print Name: CHRIS Bona	2/6/97 4:00	Received by: [signature] Print Name: Robert Lombardo	2/7/97 1020
Relinquished by: Print Name:		Received by: Print Name:	
Relinquished by: [signature] Print Name: Robert Lombardo	2/7/97 1410	Received by Laboratory: [signature] Print Name: Robert Fletcher	2/7/97 1410

Lab Use Only
Custody Seals: Intact
Sample Rec'd in Good Condition:
Sample Temperature:
INSPECTED BY:
COMMENTS:

Special Instructions:

CLIENT RETAINS YELLOW COPY ONLY