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WASTE REMOVAL ACTION FINAL REPORT

FACTORY OUTLET MALL EXPANSION TOWN OF NIAGARA, NEW YORK

Prepared for:

Benderson Development Company, Inc. 570 Delaware Avenue Buffalo, New York 14203-1486

Prepared by:

Rust Environment & Infrastructure 495 Commerce Drive Amherst, New York 14228

OCTOBER 1995

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1.0 INTRODUCTION

1.1 General

This Waste Removal Action Report was prepared by Rust Environment & Infrastructure (Rust E&I) for Benderson Development Company (Benderson). The purpose of this report is to confirm and summarize the recently completed Waste Removal Action undertaken by Benderson at the Factory Outlet Mall Expansion Property located in the Town of Niagara, New York. This waste removal action was performed voluntarily by Benderson Development at the request and advisement of the NYSDEC. The NYSDEC was notified by Benderson Development of the discovery of waste material onsite during their recent Mall Expansion Project. The time frame for the construction of this project precluded the preparation and review of a work plan by the NYSDEC. Instead a Scope of Work was submitted with a previously approved Work Plan for the 1994 Interim Remedial Measure (IRM). The NYSDEC reviewed the Scope and then allowed the waste removal activities to begin under direction of the 1994 Work Plan. This Waste Removal Action Report was then prepared and submitted at the request of the New York State Department of Environmental Conservation (NYSDEC).

1.2 Property Location

The Factory Outlet Mall Expansion Area, hereafter referred to as the "Property", is located within the southern section of the Town of Niagara, New York (refer to Figure 1). The Property is located on the western portion of a commercial property (presently the Niagara Factory Outlet Mall) and was enclosed by a chain link fence. Construction activities performed at the Property were part of the mall expansion project. Immediately west of the Property is a drainage ditch and the adjacent Connecting Road. The BFI/CECOS Secure Chemical Management Facility is located approximately one-quarter of a mile west of the Site. The Niagara Falls Outlet Mall facility is located due east and directly adjacent to the Property.

1.3 Property History

The area subject to the Waste Removal Action encompasses approximately one acre of land, as presented on Figure 1. This tract of land was previously owned by Walter Kozdranski, Inc. and is currently owned by the Niagara County Industrial Development Agency. The majority of the property is leased by Benderson and has been developed into the Niagara Factory Outlet Mall.

An Interim Remedial Measure (IRM) was completed at the Site in February of 1994 in conjunction with and pursuant to a final Consent Order Agreement between Benderson and NYSDEC. A total of 12,878 tons of waste were removed from the Site during the IRM. The most prevalent waste type encountered was a tan-yellow resinous material that was excavated and removed in a layer ranging in thickness from 1 inch to 4 feet. Additional waste and fill material encountered during excavation activities consisted of a white-blue/gray powder, drums, construction and demolition (C & D) debris, cinders, slag, bricks and ash. Waste material was typically observed in pockets and thin to thick



layers of waste mixed with soil and fill. All wastes encountered were characterized as non-hazardous industrial waste. All waste material was subsequently transported and disposed of at the Modern Landfill Facilities located in Model City, New York. The Site was subsequently delisted from the NYSDEC Registry of Inactive Hazardous Waste Sites.

During construction of the mall expansion in November of 1994, a white powder waste was encountered while drilling caissons for the mall's foundation. A sample of the waste was collected and analyzed for TCLP, and found to exceed regulatory limits for vinyl chloride. Each caisson where the white powder waste was encountered was noted and this data served to establish the boundaries of the waste area without the need to complete additional soil borings or test pits.

In January of 1995, RUST E&I was retained by Saperston & Day, P.C. legal representative for Benderson, to conduct a waste removal action in the area of mall expansion. Under agreement with Benderson Development, RUST E&I was contracted to direct waste removal actions as well as perform air monitoring duties during waste excavation. In April of 1995, RUST E&I supervised and directed the screening of the excavated materials and performed sampling of the various segregated wastes.

1.4 Purpose and Objective of the Waste Removal Action

The purpose of this Waste Removal Action was to remove all buried wastes, contaminated soils and debris contained within the delineated waste area of the Site. In order to fulfill the purpose of this Waste Removal Action, the following tasks were completed. Each of these tasks are described in detail in Section 4.0 of this Report.

- Segregation of waste from visually clean cover soils;
- Excavation of former disposal area;
- Transportation and on-site staging of waste materials;
- TCLP soil sampling and analytical program;
- Property closure by backfill;
- Final waste disposition; and
- Field observation and documentation of Excavation and Disposal Activities.

Property closure included backfill with crusher run stone to surface grade. The remediated area will be eventually covered by a concrete slab and a newly constructed building, which would minimize the potential for human contact as well as limit infiltration of precipitation into the remediated area.

-

2.0 PARTICIPATING AGENCIES AND COMPANIES

2.1 **Property Leasee**

The Benderson Development Company, Inc. (Benderson) located at 570 Delaware Avenue, Buffalo, New York funded the Waste Removal Action as Leasee of the property. The designated owner and generator of waste sent off-site for proper disposal is the Niagara County Industrial Development Agency.

2.2 Council

Benderson retained Saperston & Day, P.C., located at Three Fountain Plaza, Buffalo, New York as legal council for this project.

2.3 Consultant

Rust E&I was retained by Benderson to design and oversee the excavation/construction activities associated with the waste disposal area at the Site. The term "Engineer" in this report refers to Rust Environment and Infrastructure.

2.4 Contractor

The Contractor for this project was Haseley Trucking Company, Inc., 10315 Lockport Road, Niagara Falls, New York. Haseley provided all excavation and staging of wastes as described in Section 1.4. The term "Contractor" in this report refers to Haseley Trucking Company, Inc.

2.5 State and Local Agencies

The following State and local agencies provided review and oversight comments in project initiation meetings. The NYSDEC had monitoring personnel on-site daily to observe and coordinate remedial activities.

New York State Department of Environmental Conservation, Region 9 270 Michigan Avenue Buffalo, New York 14203-2999

New York State Department of Health 2 University Place Albany, New York 12203

Niagara County Department of Health

10th and East Fall Street Niagara Falls, New York 14302

3.0 **PROPERTY DESCRIPTION**

3.1 Property Topography

Prior to waste removal, this part of the Property had been paved and was used as a parking area for the Factory Outlet Mall. This area is relatively flat and slopes gently to the southeast and east, directing storm drainage to catch basins located throughout the Malls' parking lot.

3.2 Regional Geology

The Property is located within the Erie-Ontario Lowlands physiographic province. The province was formerly a lake bottom during Lake Wisconsin deglaciation, and is characterized by generally flat topography. In the project area, the land elevation ranges between 570 to 577 feet above mean sea level, and slopes to the south-southwest towards the Niagara River.

A majority of the Property was filled, in the recent past, to depths up to twelve feet with waste material. The waste materials consisted of soil, slag, construction and demolition (C & D) debris, white powder, resinous waste, and other materials. From the ground surface to the top of the Silty Clay, the fill material consisted of construction and demolition (C & D) debris, blacktop, cinders, slag, wood and ash.

The general stratigraphy at the Property can be described as follows:

- Pavement and crusher run, some sand and silt, dry, loose (0.0 2.0 feet);
- Waste materials, white powder (2.0-12.0 feet);
- Red-brown silty clay, trace fine gravel trace sand, stiff, moist (4.0-14.0 ft); and
- Top of rock at 14.0 feet, Lockport Dolostone vuggy, gypsum in filling, porous.

The Silty Clay unit occurred at depths ranging from four to seven feet due primarily to the variations in surface elevations.

4.0 WASTE REMOVAL ACTION CONSTRUCTION ACTIVITIES AND FINDINGS

4.1 General

The following section briefly describes the implementation, operation and findings of the various waste removal action construction activities performed at the Property. During the period between February 2 and February 11, 1995, excavation, segregation and on-site staging of waste was performed by Haseley Trucking Co., Inc. under the supervision of Benderson personnel and monitoring by Rust E&I personnel. Backfill work activities were also performed by Haseley Trucking under the direction of Benderson personnel.

4.2 Excavation and Disposal of Waste

Waste removal commenced with excavation of waste on the southern end of the disposal area and proceeded towards the northern end of the delineated area as defined in the Scope of Work. Wastes were visually identified and removed both vertically and laterally. Vertically, all soil and wastes were removed down to the depth of the top of clay surface or bedrock. After excavating a significant portion of the waste area, approximately one foot of clay was removed from the bottom of the excavation. Laterally, the excavation proceeded until no visual signs of contaminated wastes were present. The delineation of waste excavated during the Waste Removal Action is referenced on Figure 2.

Clay from the bottom of the excavation was stripped by a Komatsu 300 excavator that operated under a "clean" designation. Excavated clay was pushed forward into the contaminated areas to form clay berms to separate groundwater that had entered the excavation from the surrounding unexcavated area.

All excavated soils, waste and debris were separated on a visual basis and transported to one of two staging areas on-site to await final disposition.

4.3 Identification and Extent of Waste Encountered During Excavation and Removal

The waste was excavated from the area delineated by caisson drilling performed in association with the foundation construction for the mall expansion. The waste material consisted predominantly of a white powder which ranged in thickness from six inches to two feet and was encountered in thin to thick layers mixed with soil and fill. Additional wastes encountered during the excavation included a minor amount of yellow resin waste (previously encountered in the 1994 IRM), approximately 150 drums, the majority in poor condition, approximately 200 gallons purple liquid (previously identified as containing vinly chloride), construction and demolition (C & D) debris, cinders, slag, bricks and ash.

Surficial fill soils, which did not contain white powder waste, ranged in thickness between two (2) to three feet and were excavated, segregated and staged on-site as a designated "clean" type of



excavated material. The excavation proceeded laterally and vertically until no visual signs of white powder waste were apparent. A map showing the delineation of the excavation is provided in Figure 2.0.

Two drum pit areas, pit #1 and pit #2, were encountered during excavation activities and contained approximately 24 drums and 12 drums, respectively. The drums in the two pit areas contained both white powder and drums containing a purple liquid. This purple liquid had previously been identified by Buffalo Testing as containing vinyl chloride. Drums encountered in both the pit areas were observed to be in a distressed condition which precluded the recovery of any liquid wastes. All drums found in the pit areas associated with the purple liquid were segregated from the white powder waste and staged separately. These drums were considered to be RCRA empty as during the later staging and screening process there were no remaining liquids noted.

The following volumes of segregated material have been estimated assuming a four (4) foot depth in the main excavation and an eight (8) and ten (10) foot depth of excavation in drum pit #1 and drum pit #2, respectively.

	Total Excavated Volume(CY)	Surficial Fill Volume(CY)	Waste Volume(CY)
Main Excavation	,3764	1882	1882
Drum Pit #1	1283	256	1027
Drum Pit #2	171	43	128
Total Waste Volum	3037 CY		
Total Waste Weight	4252 Tons		

4.4 Backfill of Excavation/Site Closure

Backfilling of the excavation was accomplished by the placement and compaction two inch and six inch crusher run stone that was supplied and placed by Haseley Trucking from the Niagara Stone Quarry. Backfill was placed in one foot lifts and compacted with a vibrating roller

4.5 Segregation of Staged Materials

Pursuant to an agreement with the NYSDEC, Benderson Development initiated a screening operation of the excavated staged soils and materials to separate waste, drums, soil and C&D material. Benderson Development contracted Haseley Trucking Company, Inc. to perform the screening operation. As part of Rust E&I services, personnel monitored the segregation activities as well as performed sampling of the waste materials. The screening operations at the site were conducted between April 10 and April 21, 1995.

The excavated material was separated using a Read Screen-All vibrating shaker utilizing a six inch mesh screen. A smaller one inch screen was used initially, however, it had to be removed at the end of the first day due to frequent clogging of materials. A Caterpillar 950F front end loader was used to load the material and pile the screened soils into five large windrows on 10 mil polyethylene plastic sheeting. The material was separated and staged to three areas: drummed material; C&D debris; and waste/soils. The drummed material was segregated to a separate area and placed on 10 mil polyethylene plastic sheeting. The drummed material was then sampled and subsequently covered with plastic sheeting until its final deposition could be determined. The C&D material was screened twice in order to remove the maximum amount of soils and reduce the volume of waste to be disposed of offsite. A photographic record (see Appendix A) was taken over the course of the segregation process.

4.6 Sampling and Analysis of Segregated Materials

The sampling program consisted of two separate events, one after screening and segregation of materials and the second after the onsite disposal of the soil/waste material. In the first event, two individual Drum Samples (BODS1, BODS2), one composite sample for C&D material (BOCDC), one composite Drum Sample (BODC) and five composite soil/waste samples (BOCOMP 1-5) were collected. The composite samples collected from the C&D material and drummed wastes were analyzed for TCLP and RCRA Waste Characterization. The two individual drum samples were collected from labeled drums identifying Goodyear as the generator and were analyzed for TCL + 30 parameters. The composite soil/waste windrows samples were analyzed for only the TCLP volatile fraction. All sampling was conducted on April 20, 1995 and analyzed within a seven day turnaround by NYTEST Environmental Inc..

The second sampling round was performed on July 11, 1995 and as per agreement with the NYSDEC and consisted of 5 soil/waste composite samples (BMSAM01-05) collected after the final deposition and prior to capping of the area with asphalt. The samples were analyzed for TCL Volatiles and analyzed by NYTEST Environmental INC..

4.7 Analytical Results

The following section summarizes both the first and second rounds of sample results from all segregated, staged, and disposed wastes. Analytical results for the first round of sampling are presented on Tables 1 and 2. Analytical laboratory data sheets submitted from the analytical laboratory are presented in Appendix B.

• Concentrations of all TCLP parameters were detected below TCLP regulatory limits in samples collected from the screened soil/waste windrows during the first round of sampling. Vinyl chloride was detected at concentrations ranging from 0.01 to 0.02 ppm. None of the samples exceeded the TCLP regulatory limit for vinyl chloride (0.2 ppm).

TABLE 1 WASTE REMOVAL ACTION FACTORY OUTLET MALL EXPANSION

Composite Soil/Waste Sample TCLP Analytical Results Summary Concentrations values in mg/l-ppm

TCLP Parameter	Sample #				Regulatory Limit	
	BOCOMP1	BOCOMP2	BOCOMP3	BOCOMP4	BOCOMP5	
Vinyl Chloride Benzene	0.01	0.01 0.02		0.01	0.02	0.20 0.50

TABLE 2 WASTE REMOVAL ACTION FACTORY OUTLET MALL EXPANSION

Composite C&D and Drum Waste Sample

TCLP Analytical Results Summary

Concentrations values in mg/l-ppm

	and the second		
	C&D Sample	Drum Waste)
TCLP Parameters	BOCDC	BODC	Regulatory
			Limits
Vinyl Chloride	0.03	0.03	0.20
Carbon Tetrachloride	ND	0.01	0.50
Benzene	0.02	ND	0.50
RCRA Characteristics			
	1		
pН	8.79	8.51	2-12.5
Corrosivity	non corrosive	non corrosive	corrosive
Ignitabilty	2120F	2120F	<140oF
Reactivity			
Cyanide			250
Sulfide			

- Concentrations of all TCLP parameters were detected below TCLP regulatory limits in all samples collected from the C&D materials during the first round of sampling. Vinyl chloride was detected at a concentration of 0.03 ppm, which did not exceed the TCLP regulatory limit for vinyl chloride (0.2 ppm).
- Concentrations of all TCLP parameters were detected below TCLP regulatory limits in all samples collected from the various drum wastes during the first round of sampling. Vinyl chloride was detected at a concentration of 0.03 ppm, which did not exceed the TCLP regulatory limit for vinyl chloride (0.2 ppm).
- All waste samples, taken in the first round of samples, were determined to be within acceptable ranges for ignitability, corrosivity and reactivity.
- To summarize, based on the TCLP and RCRA Waste Characterization analytical results, as referenced on Table 2, all of the wastes sampled in the first round can be classified as a non-hazardous industrial waste.
- The five samples taken in the second sample event all showed minor amounts of various organic compounds but none exceeded NYSDEC TAGM Recommended Soil Clean-up Objective (RSCO) values. A summary of the analytical data for this event is presented in Table 3. The analytical data for the second round of sampling results is also presented in Appendix B.

4.8 Disposal of Excavated Wastes

On the basis of the analytical results and approval of the NYSDEC, the excavated screened soil/waste was utilized as backfill material for the parking lot. The soil/waste material was buried on July 11, 1995 on the southwest end of the property approximately 150 ft. from the southwest corner of the Mall Expansion (Figure 3). An estimated 4,445 cubic yards of soil/waste material was buried in an area approximately 100 ft. wide, 150 ft. long , and 8 ft. deep.

The C&D debris was classified as "contaminated C&D" or industrial waste due to its contact with the white powder waste and was shipped to the Modern Sanitary Landfill in Model City, New York on August 9 and 10, 1995.

The drummed wastes were categorized as industrial waste and sent to the WMI Lake View Landfill in Erie, Pennsylvania. The removal action was completed on August 29, 1995 when an estimated 60-70 tons of material was shipped to the WMI facility for disposal.

TABLE 3

WASTE REMOVAL ACTION FACTORY OUTLET MALL EXPANSION

Composite Soil/Waste Sample - Second Round TCL Volatiles Analytical Results Summary

Concentrations values in ug/kg-ppb

Parameter	BMSAM01	BMSAM02	BMSAM03	BMSAM04	BMSAM05	Regulatory Limits*
Vinyl Chloride Metylene Chloride 1,1 Dichloroethane 1,1 Dichloroethene(total) Toluene 1,1,1 Trichloroethane Trichloroethene Xylene	19 4 7 6 7	15 8 12 20 14 10	25 6 14 12 2 19	20 6 21 50 56	26 5 15 15 6 3	200 100 200 400 1500 800 700 1200

* NYSDEC TAGM Reccommended Soil Cleanup Objective Values (RSCO)



4.9 Documentation Air Monitoring and Sampling

An air monitoring program was implemented by the Engineer as stipulated in the Project Health and Safety Plan (HASP). The purpose of the air monitoring program was to assure that the proper level of personnel protective equipment was used by on-site workers; to document that the level of worker protection was adequate; and to assess if contaminants were migrating off-site.

Real time air monitoring was performed by the Engineer on a continuous basis as the waste excavation activities proceeded. Real time air monitoring included Drager tube sampling for vinyl chloride vapors. No instances occurred when high concentrations of vinyl chloride vapors forced waste removal operations to be suspended.

-

5.0 DOCUMENTATION OF WASTE REMOVAL ACTIVITIES

The Engineer was responsible as Benderson's representative for construction oversight and documentation of the waste removal, segregation and disposal operations. Documentation included the preparation of daily inspection reports, visual identification and delineation of wastes, air monitoring, Site Health and Safety and general correspondence with the NYSDEC and Benderson Development personnel.

6.0 **PROJECT CERTIFICATION STATEMENT**

This Waste Removal Action Report is provided and certified by Rust Environment and Infrastructure to document the recently completed Remedial Activities at the Benderson Development Outlet Mall Expansion project.

I certify that this document and all attachments were prepared under my direction or supervision and the information submitted is to the best of my knowledge and belief, true, accurate and complete.

9/21/55

John B. Berry, P.E.

Date

NYSPE License No. 46600



APPENDIX A CONSTRUCTION PHOTOGRAPHS

7

-



EXCAVATED MATERIAL PRIOR TO SCREENING



READ SCREEN ALL USED FOR SEGREGATING MATERIAL







LABORER REMOVING DEBRIS FROM GRID



SCREEN IN OPERATION



SEGREGATED DRUM WASTE



FINAL DRUM AREA



FINAL DRUM AREA COVERED IN PLASTIC



FINAL LANDFARM WINDROWS OF SCREENED SOIL



DEBRIS PILE

APPENDIX B ANALYTICAL LABORATORY DATA

-

-

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

Project No.: 9521691 Log in No. : 23654 P.O. No. Pending : Date May 5, 1995

ANALYTICAL DATA REPORT PACKAGE FOR

Benderson Development Co.

570 Delaware Ave.

Buffalo, NY 14202

Bill Andris ATTN: Factory Outlet Mall, Proj.#38843 REF:

LABORATORY NUMBER

SAMPLE IDENTIFICATION TYPE OF SAMPLE

SEE NEXT PAGE

WE CERTIFY THAT THIS REPORT IS A TRUE REPORT OF RESULTS OBTAINED FROM OUR TESTS OF THIS MATERIAL.

Report To: Rust Environmental 495 Commerce Drive Amherst, NY 14228 Attn: Dave Rowlinson

RESPECTFULLY SUBMITTED, NYTEST ENVIRONMENTAL INC.

REMO GIGANTE EXEC. VICE PRESIDENT

Report on sample(s) turnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests. Nytest shall have the option of returning such sample(s) to the client at the client's expense.

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

NYS Lab 1D. #10195

NJ Cert. #73469

nytest environmental.

Method Qualifiers for Organic Non-CLP Methodologies

Q Qualifier - Specified entries and their meanings as follows:

- U Indicates compound was analyzed for, but was not detected. The sample quantitation limit is corrected for dilutions and for the moisture content for soil samples. If a sample extract can not be concentrated to the protocol - specific volume, this fact is also accounted for in reporting the sample quantitation limit. The number is the minimum detected limits for the sample.
- J Indicates an estimated volume. The flag is used either when estimating concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria, but the result is less than the sample quantitation limit, but greater than zero.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- B This flag is used when the analyte is found in the associated blank as well as the sample. It indicates possible/probable blank contamination and warns the data used to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound.
- E This flag identifies compound whose concentrations exceeded the calibration range of the GC/MS instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- A This flag indicates that a TIC is a suspected aldol condensation product.

Method Qualifiers for Inorganics

FORM I-IN includes fields for three types of results qualifiers. These qualifiers must be completed as follows:

* C (Concentration) qualifier -- Enter "B" if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL). If the analyte was analyzed for but not detected, a "U" must be entered.

* Q Qualifier - Specified entries and their meanings are as follows :

- E The reported value is estimated because of the presence of interference.
- M Duplicate precision not met (CV > 20%).
- N Spiked sample recovery not within control limits.
- S The reported value was determined by Method of Standard Addition (MSA).
- W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- Duplicate analysis not within control limits.
- + Correlation Coefficient for MSA is less than 0.995.

Entering "S", "W" or "+" is mutually exclusive.

* M (Method) qualifier - enter:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "CV" for Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- "NR" if the analyte is not required to be analyzed.

NYTEST ENVIRONMENTAL, INC.

REPORT OF ANALYSIS

Log In No : 23654

We find as follows : Sample Identification 2365408 2365407 2365406 Lab ID : Method BOCDC Blank BODS2 BODS1 Client ID : Parameter(s) 8.79 NA рН NR NR 0.01 U 0.01 U Corrosivity, inch/Year NR NR 1 U 1 U Cyanide, Reactive, ppm NR NR 212 E Ignitability, Degrees F NR NA NR 1 U 1 U Sulfide, Reactive, ppm NR NR Results in mg/Kg (dry basis) : 0.5 U 0.5 U NR 0.5 U Total Cyanide

U : Below method blank/method reporting limit E : Above method limit NA : Not available NR : Not Required

NYTEST ENVIRONMENTAL, INC.

REPORT OF ANALYSIS

Log In No : 23654

We find as follows : Sample Identification (1000) Lab ID : 2365409 Method Blank Client ID : BODC Parameter(s) рН 8.51 NA Corrosivity, inch/Year 0.01 U 0.01 U Cyanide, Reactive, ppm 1 U 1 U

212 E

1 U

U : Below method blank/method reporting limit E : Above method limit NA : Not available NR : Not Required

Ignitability, Degrees F

Sulfide, Reactive, ppm

-

000005

NA

1 U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

COMP1 Contract: 9521691 Lab Name: NYTEST ENV INC Lab Code: NYTEST Case No.: 23654T SAS No.: SDG No.: 23654 Matrix: (soil/water) WATER Lab Sample ID: 2365401 Lab File ID: Sample wt/vol: 1.0 (g/mL) ML N2002.D Date Received: 03/21/95 Level: (low/med) LOW % Moisture: not dec. Date Analyzed: 04/26/95 Column: (pack/cap) CAP Dilution Factor: 1.0 CONCENTRATION UNITS: CAS NO. COMPOUND (mg/L or mg/Kg) MG/L Q -1

1000

(111)

-

1A

127-18-4-----Tetrachloroethene

108-90-7-----Chlorobenzene

EPA SAMPLE NO

0.05

U

VOLATILE	ORGANICS	ANALYSIS	DA'I'A	SHEET
----------	----------	----------	--------	-------

COMP2 Lab Name: NYTEST ENV INC Contract: 9521691 SDG No.: 23654 Lab Code: NYTEST Case No.: 23654T SAS No.: Lab Sample ID: 2365402 Matrix: (soil/water) WATER Sample wt/vol: 1.0 (g/mL) ML Lab File ID: N2003.D (low/med) Date Received: 03/21/95 Level: LOW % Moisture: not dec. Date Analyzed: 04/26/95 Column: (pack/cap) CAP Dilution Factor: 1.0 CONCENTRATION UNITS: CAS NO. COMPOUND (mg/L or mg/Kg) MG/L Q 75-01-4-----Vinyl Chloride 0.01 J 75-35-4-----1,1-Dichloroethene 0.05 U U 67-66-3-----Chloroform 0.05 107-06-2-----1,2-Dichloroethane 0.05 U U 78-93-3-----2-Butanone 0.05 U 56-23-5-----Carbon Tetrachloride 0.05 0.05 U 79-01-6-----Trichloroethene 0.02 71-43-2----Benzene J 0.05 U

79-01-6-----Trichloroethene

127-18-4-----Tetrachloroethene_ 108-90-7-----Chlorobenzene_

71-43-2----Benzene

VOLATILE ORGANICS ANALYSIS DATA SHEET

0.05

0.05

0.05

0.05

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U

Lab Name: NYTEST ENV INC	COMP3
Lab Code: NYTEST Case No.: 23654T	SAS No.: SDG No.: 23654
Matrix: (soil/water) WATER	Lab Sample ID: 2365403
Sample wt/vol: 1.0 (g/mL) ML	Lab File ID: N2004.D
Level: (low/med) LOW	Date Received: 03/21/95
% Moisture: not dec.	Date Analyzed: 04/26/95
Column: (pack/cap) CAP	Dilution Factor: 1.0
CAS NO. COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L Q
75-01-4Vinyl Chloride 75-35-41,1-Dichloroet 67-66-3Chloroform 107-06-21,2-Dichloroet 78-93-32-Butanone 56-23-5Carbon Tetrach	e 0.05 U hene 0.05 U 0.05 U hane 0.05 U 0.05 U 0.05 U 0.05 U

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

17

Lab Name: NYTEST ENV INC	COMP4	
Lab Code: NYTEST Case No.: 2365	64T SAS No.: SDG No.: 23654	
Matrix: (soil/water) WATER	Lab Sample ID: 2365404	
Sample wt/vol: 1.0 (g/mL)	ML Lab File ID: N2046.D	
Level: (low/med) LOW	Date Received: 03/21/95	
% Moisture: not dec.	Date Analyzed: 04/28/95	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
CAS NO. COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L Q	
75-01-4Vinyl Chlor 75-35-4Vinyl Chlor 67-66-3Chloroform 107-06-21,2-Dichlor 78-93-32-Butanone 56-23-5Carbon Tetr 79-01-6Trichloroet 71-43-2Benzene 127-18-4Tetrachloro 108-90-7Chlorobenze	ride 0.01 J roethene 0.05 U roethane 0.05 U roethane 0.05 U roethane 0.05 U rachloride 0.05 U rachloride 0.05 U rene 0.05 U oethene 0.05 U oethene 0.05 U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

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Lab Name: NY	TEST ENV INC		Contract: 9	521691	COM	P5
Lab Code: NY	TEST Case N	o.: 23654T	SAS No.:	SDG	No.: 2	3654
Matrix: (soi	l/water) WATER		La	b Sample ID	: 23654	05
Sample wt/vo	ol: 1.0	(g/mL) ML	La	b File ID:	N2006	.D
Level: (lo	w/med) LOW		Da	te Received	: 03/21	/95
<pre>% Moisture:</pre>	not dec		Da	te Analyzed	: 04/27	/95
Column: (pa	ick/cap) CAP		Di	lution Facto	or: 1.0	
CAS N	ю. сом	POUND	CONCENTR (mg/L or	ATION UNITS mg/Kg) MG/1	։ ն	Q
75-01 75-35 67-66 107-0 78-93 56-23	-4Vin -41,1 -3Chl 6-21,2 -32-B -5Car	yl Chloride -Dichloroet oroform -Dichloroet utanone bon Tetrach	hene hane loride		0.02 0.05 0.05 0.05 0.05 0.05 0.05	ม บ บ บ บ บ

79-01-6-----Trichloroethene

127-18-4-----Tetrachloroethene

108-90-7-----Chlorobenzene

71-43-2----Benzene

1A

Case No.: 23654

COMPOUND

MED

4.0 (q/mL) G

EPA SAMPLE NO.

Q

BODS1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: NYTEST ENV INC

Matrix: (soil/water) SOIL

(low/med)

(pack/cap) CAP

% Moisture: not dec. 0

CAS NO.

Lab Code: NYTEST

Sample wt/vol:

Level:

Column:

(Providence of the second sec

Contract: 9521691

SAS No.:

SDG No.: 23654

Lab Sample ID: 2365406

Lab File ID: P4639.D

Date Received: 04/21/95

Data Analyzed: 05/01/95

Dilution Factor: 10.0

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

	10000		
74-87-3Chloromethane	12000		(
74-83-9Bromomethane	110000	U	11 Duc M
75-01-4Vinyi Chloride	12000		ILO MAY IN
75-00-3Chloroethane	12000	U U	
75-09-2Methylene Chloride	5200	J 77	
67-64-1Acetone	12000		
75-15-0Carbon Disulfide	12000		1
75-35-41,1-Dichloroethene	12000	0	1- 14
75-34-31,1-Dichloroethane	17000		1414
540-59-01,2-Dichloroethene (total)	2300	J	V
67-66-3Chloroform	12000	U	
107-06-21,2-Dichloroethane	1900	J	
78-93-32-Butanone	12000	U	
71-55-61,1,1-Trichloroethane	12000	ע	
56-23-5Carbon Tetrachloride	12000	ע	
75-27-4Bromodichloromethane	12000	ប	
78-87-51,2-Dichloropropane	12000	U	
10061-01-5cis-1,3-Dichloropropene	12000	U	
79-01-6Trichloroethene	12000	U	
124-48-1Dibromochloromethane	12000	U	
79-00-51,1,2-Trichloroethane	12000	U	
71-43-2Benzene	12000	U	
10061-02-6trans-1, 3-Dichloropropene	12000	ប	
75-25-2Bromoform	12000	ប	
108-10-14-Methyl-2-Pentanone	12000	U	
591-78-62-Hexanone	12000	U	
127-18-4Tetrachloroethene	12000	ט ו	
79-34-51,1,2,2-Tetrachloroethane	12000	U	
108-88-3Toluene	2200	J	
108-90-7Chlorobenzene	12000	ט ו	
100-41-4Ethylbenzene	12000	Ū	
100-42-5Styrene	12000	U U	
1330-20-7Xvlene (total)	5400	J	
108-05-4Vinvl Acetate	12000	U U	

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L	1.1	

EPA SAMPLE NO.

BODS1

SDG No.: 23654

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INCContract: 9521691Lab Code: NYTESTCase No.: 23654SAS No.:Matrix: (soil/water)SOILLab SampleSample wt/vol:4.0 (g/mL) GLab File ILevel:(low/med)MEDDate Receiver

Lab Sample ID: 2365406

Lab File ID: P4639.D

Date Received: 04/21/95

Data Analyzed: 05/01/95

Dilution Factor: 10.0

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

CAS NUMBER COMPOUND NAME \mathbf{RT} EST. CONC. Q __________ ======= ================= ===== 22000 J 1. 15.190 UNKNOWN 2. 19000 J UNKNOWN 23.840 3. 4.____ 5. 6. 7. 8. 9._ 10. 11.__ 12.____ 13.____ 14. 15. 16.___ 17. 18. 19.____ 20. 21. 22. 23.__ 24.___ 25.__ 26.____ 27. 28. 29. 30.____

Number TICs found: 2

% Moisture: not dec. 0

Column: (pack/cap) CAP

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SW846 METHOD 8240A

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

EPA SAMPLE NO.

Q

Lab Name: NYTEST ENV INC Lab Code: NYTEST Case No.: 23654 Matrix: (soil/water) SOIL Sample wt/vol: 1.0 (g/mL) G Level: (low/med) MED % Moisture: not dec. 0 dec. Extraction: (SepF/Cont/Sonc) SONC GPC Cleanup: (Y/N) N pH: 7.0

Contract: 9521691

SAS No.:

SDG No.: 23654

BODS1

Lab Sample ID: 2365406

Lab File ID: Q4227.D

Date Received: 04/21/95

Date Extracted:04/24/95

Date Analyzed: 04/25/95

Dilution Factor: 25.0

CAS NO.

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

108-95-2Phenol	250000	ប
111-44-4bis(2-Chloroethyl)Ether	250000	U
95-57-82-Chlorophenol	250000	U
541-73-11,3-Dichlorobenzene	250000	ប
106-46-71,4-Dichlorobenzene	· 250000	υ
95-50-11,2-Dichlorobenzene	250000	U
95-48-72-Methylphenol	250000	ប
108-60-12,2'-oxybis(1-Chloropropane)	250000	U
106-44-54-Methylphenol	250000	U
621-64-7N-Nitroso-di-n-propylamine	250000	ប
67-72-1Hexachloroethane	250000	ប
98-95-3Nitrobenzene	250000	ប
78-59-1Isophorone	250000	ប
88-75-52-Nitrophenol	250000	U
105-67-92,4-Dimethylphenol	250000	U
120-83-22,4-Dichlorophenol	250000	U
120-82-11,2,4-Trichlorobenzene	250000	U
91-20-3Naphthalene	250000	U
106-47-84-Chloroaniline	250000	U
87-68-3Hexachlorobutadiene	250000	U
111-91-1bis(2-Chloroethoxy)methane	250000	U
59-50-74-Chloro-3-Methylphenol	250000	U
91-57-62-Methylnaphthalene	250000	U
77-47-4Hexachlorocyclopentadiene	250000	U
88-06-22,4,6-Trichlorophenol	250000	U
95-95-42,4,5-Trichlorophenol	250000	U
91-58-72-Chloronaphthalene	250000	U
88-74-42-Nitroaniline	250000	U
131-11-3Dimethylphthalate	250000	U
208-96-8Acenaphthylene	250000	U
606-20-22,6-Dinitrotoluene	250000	U
99-09-23-Nitroaniline	250000	U
83-32-9Acenaphthene	250000	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

SW846 METHOD 8270A 000013

BODS1 Lab Name: NYTEST ENV INC Contract: 9521691 Lab Code: NYTEST Case No.: 23654 SAS No.: SDG No.: 23654 Lab Sample ID: 2365406 Matrix: (soil/water) SOIL Lab File ID: Sample wt/vol: 1.0 (q/mL) GQ4227.D Level: (low/med) MED Date Received: 04/21/95 Date Extracted:04/24/95 % Moisture: not dec. 0 dec. Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/25/95 GPC Cleanup: Dilution Factor: 25.0 (Y/N) N pH: 7.0 CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

51-28-5-----2,4-Dinitrophenol 250000 U 250000 U 100-02-7-----4-Nitrophenol U 132-64-9----Dibenzofuran 250000 121-14-2----2,4-Dinitrotoluene 250000 U 84-66-2----Diethylphthalate U 250000 7005-72-3-----4-Chlorophenyl-phenylether 250000 U 86-73-7----Fluorene U 250000 100-01-6-----4-Nitroaniline U 250000 U 534-52-1-----4,6-Dinitro-2-methylphenol 250000 86-30-6-----N-Nitrosodiphenylamine (1) U 250000 101-55-3-----4-Bromophenyl-phenylether 250000 U 118-74-1-----Hexachlorobenzene 250000 U 87-86-5-----Pentachlorophenol U 250000 U 85-01-8-----Phenanthrene 250000 U 120-12-7-----Anthracene 250000 U 86-74-8-----Carbazole 250000 U 84-74-2----Di-n-butylphthalate 250000 U 206-44-0----Fluoranthene 250000 129-00-0----Pyrene 250000 U 85-68-7-----Butylbenzylphthalate 250000 U 91-94-1-----3,3'-Dichlorobenzidine U 250000 56-55-3-----Benzo(a) anthracene U 250000 218-01-9-----Chrysene U 250000 117-81-7-----bis(2-Ethylhexyl)phthalate 250000 U 117-84-0----Di-n-octylphthalate 250000 U U 205-99-2----Benzo(b) fluoranthene 250000 207-08-9-----Benzo(k)fluoranthene 250000 U 50-32-8-----Benzo(a)pyrene 250000 U 193-39-5-----Indeno(1,2,3-cd)pyrene 250000 U 53-70-3-----Dibenz(a,h)anthracene 250000 U 191-24-2-----Benzo(g,h,i)perylene 250000 U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

EPA SAMPLE NO

BODS1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: NYTEST ENV INC Lab Code: NYTEST Case No.: 23654 Matrix: (soil/water) SOIL 1.0 (g/mL) G Sample wt/vol: (low/med) Level: MED % Moisture: not dec. 0 dec. Extraction: (SepF/Cont/Sonc) SONC GPC Cleanup: (Y/N) N pH: 7.0

Contract: 9521691 SAS No.: SDG No.: 23654 Lab Sample ID: 2365406 Lab File ID: Q4227.D Date Received: 04/21/95 Date Extracted:04/24/95 Date Analyzed: 04/25/95 Dilution Factor: 25.0

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.909	1200000	J
2.	UNKNOWN	16.451	52000	J
3.	UNKNOWN AROMATIC	17.770	72000	J
4.	UNKNOWN AROMATIC	18.881	82000	J
5.	UNKNOWN AROMATIC	19.541	57000	J
6.	UNKNOWN AROMATIC	20.739	66000	J
7.	UNKNOWN AROMATIC	22.614	82000	J
8.	UNKNOWN AROMATIC	22.892	76000	J
9.	UNKNOWN AROMATIC	22.997	55000	J
10.	UNKNOWN AROMATIC	23.274	55000	J
11.	UNKNOWN AROMATIC	23.448	75000	J
12.	UNKNOWN AROMATIC	23.622	100000	J
13.	UNKNOWN AROMATIC	23.917	53000	J
14				
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8080 - FORM 1 Nytest environmental inc.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

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	SAMPLE MATRIX:	SOIL	SAMPLE ID:	BOD	51	
	CONC. LEVEL:	MBD	LAB SAMPLE ID:	23654	06	
	EXTRACTION DATE	04/24/95	DIL FACTOR:	5.	00	
	ANALYSIS DATE	04/28/95	% MOISTURE:	NA		
				UG/KG		
CMPD #	CAS Number	PESTICIDE/PCB CO	POUND	(DRY BASI	S)	
						_
1	319-84-6	alpha-BHC	1	6	00 U	1
2	319-85-7	beta-BHC	1	6	00 U	1
3	319-86-8	delta-BHC	1	6	00 U	1
4	58-89-9	gamma-BHC(Lindan	•)	6	00 U	1
5	76-44-8	Heptachlor	1	6	00 U	1
6	309-00-2	Aldrin	1	6	00 U	
7	1024-57-3	Heptachlor Spoxi	de l	6	00 U	1
8	959-98-8	Endosulfan I	1	6	00 U	
9	60-57-1	Dieldrin	1	12	00 U	1
10	72-55-9	4,4'-DDE	1	12	00 0	1
11	72-20-8	Bndrin	1	12	00 0	1
12	33213-65-9	Endosulfan II	1	12	00 U	1
13	72-54-8	4,4'-DDD	1	12	00 U	1
14	1031-07-8	Endosulfan Sulfa	te	12	00 U	1
15	50-29-3	4,4'-DDT	1	12	00 U	
16	72-43-5	Methoxychlor	I	60	00 U	1
17	53494-70-5	Endrin Ketone	I	12	00 U	1
18	7421-93-4	Endrin Aldehyde	1	12	00 U	1
19	5103-71-9	alpha-Chlordane	1	6	00 U	1
20	5103-74-2	gamma-Chlordane	1	6	500 U	1
21	8001-35-2	Toxaphene	1	120	000 U	1
22	12674-11-2	Aroclor-1016	1	60	000 U	1
23	11104-28-2	Aroclor-1221	1	60	000 U	r I
24	11141-16-5	Aroclor-1232	1	60	000 U	1
25	53469-21-9	Aroclor-1242	1	60	000 0	1
26	12672-29-6	Aroclor-1248	1	60	000 0	1
27	11097-69-1	Aroclor-1254	1	60	000 0	1
28	11096-82-5	Aroclor-1260	1	60	000 0	1
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NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ab Name: NYTEST_ENV_INC._____ Contract: 9521691_

atrix (soil/water): SOIL_

_evel (low/high) : LOW Percent Solids : 100.0

BODS1

Lab Code: NYTEST Login No.: 23654_ QC Report No.23654_

Lab Sample ID: 365406 Date Received: 04/21/95

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

CAS No.	Analyte	Concentration	с	Q	м
7429-90-5	Aluminum	19.8	-		P
7440-36-0	Antimony	4.1	ប		P
7440-38-2	Arsenic	0.48	U		F
7440-39-3	Barium	1.5	U		\mathbf{P}
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.44	U		[p_
7440-70-2	Calcium	46.5	B		P
7440-47-3	Chromium	0.70	U		P_
7440-48-4	Cobalt	0.96	U		P_
7440-50-8	Copper	1.7	В		P_
7439-89-6	Iron	40.7			P_
7439-92-1	Lead	4.0	U		P_
7439-95-4	Magnesium		U		P_
7439-96-5	Manganese	0.57	B		P_
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	2.9	U		P_
7440-09-7	Potassium	838			P_
7782-49-2	Selenium	0.48	Ū		F _
7440-22-4	Silver	0.61	U		P_
7440-23-5	Sodium	2700			P_
7440-28-0	Thallium	0.48	Ū		F_
7440-62-2	Vanadium	0.70	U		P_
7440-66-6	Zinc	0.53	ប		P_

CODES :

P: ICP; F: GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required. Comments:

BODS1__WHITE GRANULAR._MG/KG_AS_RECEIVED_____

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EPA SAMPLE NO.

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Lab Code: NVTFST Cage No.	· 23654 SAS NO ·	SDG No · 23654	
Lub coue. Millbi case no		550 NO. 23034	
Matrix: (soil/water) SOIL	Lab Sam	ple ID: 2365407	
Sample wt/vol: 4.0	(g/mL) G Lab Fil	e ID: P4640.D	
Level: (low/med) MED	Date Re	ceived: 04/21/95	
% Moisture: not dec. 0	Data An	alyzed: 05/01/95	
Column: (pack/cap) CAP	Dilutio	n Factor: 10.0	
CAS NO. COMP	CONCENTRATION OUND (ug/L or ug/K	UNITS: g) UG/KG Q	
74-87-3Chlor $74-83-9Brom75-01-4Viny75-00-3Chlor75-09-2Chlor75-09-2$	romethane	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2.

EPA SAMPLE NO.

BODS2

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Lab Code: NYTEST Case No.: 23654 SAS No.: Matrix: (soil/water) SOIL Sample wt/vol: 4.0 (g/mL) G Level: (low/med) MED % Moisture: not dec. 0

Column: (pack/cap) CAP

Contract: 9521691

SDG No.: 23654

Lab Sample ID: 2365407

Lab File ID: P4640.D

Date Received: 04/21/95

Data Analyzed: 05/01/95

Dilution Factor: 10.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
 ו		15 580	14000	т.
2	LINKNOWN	17 220	11000	.т.
3		17 250	15000	о т
	ONITA	17.550	1 10000	0
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Number TICs found: 3

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BODS2

Q4228.D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: NYTEST ENV INC Contract: 9521691 Case No.: 23654 SAS No.: SDG No.: 23654 Lab Code: NYTEST Matrix: (soil/water) SOIL Lab Sample ID: 2365407 Sample wt/vol: 1.0 (g/mL) G Lab File ID: Level: (low/med) MED Date Received: 04/21/95 % Moisture: not dec. Date Extracted:04/24/95 0 dec. Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/25/95 Dilution Factor: 25.0 GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

CONCENTRATION UNITS:

Q

108-95-2Phenol	250000	ប
111-44-4bis (2-Chloroethyl) Ether	250000	U U
95-57-82-Chlorophenol	250000	ប
541-73-11, 3-Dichlorobenzene	250000	ប
106-46-71,4-Dichlorobenzene	- 250000	U
95-50-11,2-Dichlorobenzene	250000	U
95-48-72-Methylphenol	250000	U
108-60-12,2'-oxybis(1-Chloropropane)	250000	U
106-44-54-Methylphenol	250000	ប
621-64-7N-Nitroso-di-n-propylamine	250000	U U
67-72-1Hexachloroethane	250000	U
98-95-3Nitrobenzene	250000	U
78-59-1Isophorone	250000	U
88-75-52-Nitrophenol	250000	U
105-67-92,4-Dimethylphenol	250000	U
120-83-22,4-Dichlorophenol	250000	U U
120-82-11,2,4-Trichlorobenzene	250000	U
91-20-3Naphthalene	250000	ប
106-47-84-Chloroaniline	250000	U
87-68-3Hexachlorobutadiene	250000	U
111-91-1bis(2-Chloroethoxy)methane	250000	U
59-50-74-Chloro-3-Methylphenol	250000	U
91-57-62-Methylnaphthalene	250000	ប
77-47-4Hexachlorocyclopentadiene	250000	U
88-06-22,4,6-Trichlorophenol	250000	U U
95-95-42,4,5-Trichlorophenol	250000	U U
91-58-72-Chloronaphthalene	250000	U
88-74-42-Nitroaniline	250000	ប
131-11-3Dimethylphthalate	250000	ប
208-96-8Acenaphthylene	250000	U
606-20-22,6-Dinitrotoluene	250000	U
99-09-23-Nitroaniline	250000	U
83-32-9Acenaphthene	250000	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

SW846 METHOD 8270A

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

Lab Name: NYTEST ENV INC	BODS2 Contract: 9521691
Lab Code: NYTEST Case No.: 23654	SAS No.: SDG No.: 23654
Matrix: (soil/water) SOIL	Lab Sample ID: 2365407
Sample wt/vol: 1.0 (g/mL) G	Lab File ID: Q4228.D
Level: (low/med) MED	Date Received: 04/21/95
% Moisture: not dec. 0 dec.	Date Extracted:04/24/95
Extraction: (SepF/Cont/Sonc) SONC	Date Analyzed: 04/25/95
GPC Cleanup: (Y/N) N pH: 7.	0 Dilution Factor: 25.0
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

	51-28-52,4-Dinitrophenol	250000	U
	100-02-74-Nitrophenol	250000	U
	132-64-9Dibenzofuran	250000	U
	121-14-22,4-Dinitrotoluene	250000	U
	84-66-2Diethylphthalate	· 250000	U
	7005-72-34-Chlorophenyl-phenylether	250000	U
	86-73-7Fluorene	250000	U
	100-01-64-Nitroaniline	250000	U
	534-52-14,6-Dinitro-2-methylphenol	250000	U
	86-30-6N-Nitrosodiphenylamine (1)	250000	U
	101-55-34-Bromophenyl-phenylether	250000	U
	118-74-1Hexachlorobenzene	250000	U
	87-86-5Pentachlorophenol	250000	U
	85-01-8Phenanthrene	250000	U
	120-12-7Anthracene	250000	U
	86-74-8Carbazole	250000	U
	84-74-2Di-n-butylphthalate	250000	U
	206-44-0Fluoranthene	250000	U
	129-00-0Pyrene	250000	U
	85-68-7Butylbenzylphthalate	250000	U
1	91-94-13,3'-Dichlorobenzidine	250000	U
	56-55-3Benzo(a)anthracene	250000	U
	218-01-9Chrysene	250000	U
	117-81-7bis(2-Ethylhexyl)phthalate	250000	U
	117-84-0Di-n-octylphthalate	250000	U
	205-99-2Benzo(b)fluoranthene	250000	U
	207-08-9Benzo(k)fluoranthene	250000	U
	50-32-8Benzo (a) pyrene	250000	U
	193-39-5Indeno(1,2,3-cd)pyrene	250000	U
	53-70-3Dibenz(a,h)anthracene	250000	U
	191-24-2Benzo(g,h,i)perylene	250000	Ŭ

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC Contract: 9521691 Lab Code: NYTEST Case No.: 23654 SAS No.: Matrix: (soil/water) SOIL Sample wt/vol: 1.0 (g/mL) G Level: (low/med) MED % Moisture: not dec. 0 dec. Extraction: (SepF/Cont/Sonc) SONC GPC Cleanup: (Y/N) NpH: 7.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.891	470000	==== = J
2.				
3.				
4.				
5.				
6				
7				
8				
9				
10	-			
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22	-			
23				
24				
25				
20	•			
28	-			
29				
30	-			
	1			

BODS2

SDG No.: 23654

Lab Sample ID: 2365407

Lab File ID: Q4228.D

Date Received: 04/21/95

Date Extracted:04/24/95

Date Analyzed: 04/25/95

Dilution Factor: 25.0

8080 - FORM 1 NYTEST ENVIRONMENTAL INC

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

		SAMPLE MATRIX	SOIL	SAMPLE II):	BODS2		
		CONC. LEVEL	MBD	LAB SAMPLE ID): 2	365407		
		EXTRACTION DATE	04/24/95	DIL FACTOR	:	5.00		
		ANALYSIS DATE	04/28/95	* MOISTURE	: NA			
					UG/KG			
CMPD	#	CAS Number	PESTICIDE/PCB COMPOU	ND	(DRY I	BASIS)		
								-
	1	319-84-6	alpha-BHC		1	600	U	1
	2	319-85-7	beta-BHC		1	600	U	1
:	3	319-86-8	delta-BHC		1	600	υ	1
	4	58-89-9	gamma-BHC(Lindane)		1	600	U	1
	5	76-44-8	Heptachlor		1	600	υ	1
	6	309-00-2	Aldrin		1	600	υ	1
	7	1024-57-3	Heptachlor Bpoxide		1	600	U	I
	8	959-98-8	Endosulfan I		1	600	U	1
	9	60-57-1	Dieldrin		1	1200	U	1
1	0	72-55-9	4,4'-DDB		1	1200	U	I
1	1	72-20-8	Bndrin		1	1200	U	1
1:	2	33213-65-9	Endosulfan II		1	1200	υ	1
1	3	72-54-8	4,4'-DDD		1	1200	υ	1
1	4	1031-07-8	Endosulfan Sulfate		1	1200	U	I
1	5	50-29-3	4,4'-DDT		1	1200	υ	1
1	6	72-43-5	Methoxychlor		1	6000	υ	1
1	7	53494-70-5	Bndrin Ketone		1	1200	σ	1
1	8	7421-93-4	Bndrin Aldehyde		1	1200	υ	1
1	9	5103-71-9	alpha-Chlordane		1	600	U	1
2	0	5103-74-2	gamma-Chlordane		1	600	U	1
2	1	8001-35-2	Toxaphene		1	12000	U	1
2	2	12674-11-2	Aroclor-1016		I	6000	U	1
23	з	11104-28-2	Aroclor-1221		1	6000	U	I
2	4	11141-16-5	Aroclor-1232		1	6000	U	1
2	5	53469-21-9	Aroclor-1242		1	6000	U	1
2	6	12672-29-6	Aroclor-1248		1	6000	U	1
2	7	11097-69-1	Aroclor-1254		1	6000	U	1
28	8	11096-82-5	Aroclor-1260		1	6000	U	1
	1.				1			1

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INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ab Name: NYTEST_ENV_INC._____ Contract: 9521691_

"atrix (soil/water): SOIL_

evel (low/high) : LOW

Percent Solids :

-

BODS2

Lab Code: NYTEST Login No.: 23654

100.0

QC Report No.23654

Lab Sample ID: 365407 Date Received: 04/21/95

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

CAS No.	Analyte	Concentration	с	Q	м
7429-90-5	Aluminum	26.6	-		P
7440-36-0	Antimony	4.5	ថ		P
7440-38-2	Arsenic	0.50	U		F
7440-39-3	Barium —	1.6	U		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.48	U		P
7440-70-2	Calcium	162	В		P
7440-47-3	Chromium	0.76	U		P_
7440-48-4	Cobalt	1.0	U		P_
7440-50-8	Copper	2.9			P
7439-89-6	Iron	75.1			P
7439-92-1	Lead	4.4	ប		P
7439-95-4	Magnesium	207	U		P_
7439-96-5	Manganese	1.7			P_
7439-97-6	Mercury	0.13			c⊽
7440-02-0	Nickel	3.1	Ū		P_
7440-09-7	Potassium	871			P_
7782-49-2	Selenium	0.50	U		F
7440-22-4	Silver	0.67	U		P
7440-23-5	Sodium	2840			P_
7440-28-0	Thallium	0.50	ប		F_
7440-62-2	Vanadium	0.76	U		P_
7440-66-6	Zinc	1.1	B		P_
		-		-	-

CODES :

P: ICP; F: GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required. omments:

BODS1__WHITE GRANULAR. MG/KG AS RECEIVED_____

1A

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EPA SAMPLE NO.

VOLATILE	ORGANICS	ANALYSIS	DA'I'A	SHEET
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Lab Name: NYTEST ENV INC Contract	: 9521691
Lab Code: NYTEST Case No.: 23654T SAS No.	: SDG No.: 23654
Matrix: (soil/water) WATER	Lab Sample ID: 2365408
Sample wt/vol: 1.0 (g/mL) ML	Lab File ID: N2007.D
Level: (low/med) LOW	Date Received: 03/21/95
% Moisture: not dec.	Date Analyzed: 04/27/95
Column: (pack/cap) CAP	Dilution Factor: 1.0
CAS NO. COMPOUND (mg/L	NTRATION UNITS: or mg/Kg) MG/L Q
75-01-4Vinyl Chloride 75-35-4Vinyl Chloroethene 67-66-3Chloroform 107-06-21,2-Dichloroethane 78-93-32-Butanone 56-23-5Carbon Tetrachloride 79-01-6Trichloroethene 71-43-2Benzene 127-18-4Tetrachloroethene 108-90-7Chlorobenzene	0.03 J 0.05 U 0.05 U

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC Con	ntract: 9521691
Lab Code: NYTEST Case No.: 23654 Si	AS No.: SDG No.: 23654
Matrix: (soil/water) WATER	Lab Sample ID: 2365408
Sample wt/vol: 250 (g/mL) ML	Lab File ID: Q4284.D
Level: (low/med) LOW	Date Received: 04/21/95
% Moisture: not dec. 0 dec.	Date Extracted:04/25/95
Extraction: (SepF/Cont/Sonc) SEPF	Date Analyzed: 04/26/95
GPC Cleanup: (Y/N) N pH: 5.0	Dilution Factor: 1.0
CAS NO. COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L Q
95-48-72-Methylphenol 3+4-Methylphenol 121-14-22,4-Dinitrotolue 118-74-1Hexachlorobenzen 87-68-3Hexachlorobutadi 67-72-1Hexachlorobutadi 67-72-1Hexachlorobutadi 87-86-5	0.04 U ne 0.08 U ne 0.04 U e 0.04 U ene 0.04 U ene 0.04 U 0.04 U U ene 0.04 U 0.04 U U

TCLP PEST - FORM 1 NYTEST ENVIRONMENTAL INC.

TCLP PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	BOCDC
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2365408
EXTRACTION DATE:	04/25/95	DIL FACTOR:	1.00
ANALYSIS DATE:	04/26/95	MOISTURE:NA	

CMPD	#	CAS Number	TCLP PESTICIDE COMPOUNDS	MG/L	ı	
	1	57-74-9	Chlordane	1	0.003	σ
	2	70-20-8	Bndrin	I	0.0006	י די
	3	76-44-8/1024-57-	3 Heptachlor & Heptachlor Bpoxide	I	0.0003	σj
	4	58-89-9	gamma-BHC(Lindane)	1	0.0003	a l
	5	72-43-5	Methoxychlor	1	0.003	o
	6	8001-35-2	Toxaphene	I	0.03	0
	1		_]			

TCLP HERB - FORM 1 NYTEST ENVIRONMENTAL INC.

TCLP HERBICIDES ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	BOCDC
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2365408
EXTRACTION DATE:	04/25/95	DIL FACTOR:	1.00
ANALYSIS DATE:	04/27/95	MOISTURB:NA	

CMPD #	CAS Number	TCLP HERBICIDE COMPOUNDS	MG/L
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1 94-75-7	2,4-D	1	0.01 U
2 93-71-1	2,4,5-TP (Silvex)	1	0.001 U
1	l]

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: NYTEST_ENV_INC._____ Contract: 9521691__

Matrix (soil/water): WATER

Level (low/high) : LOW

BOCDC

Lab Code: NYTEST Login No.: 23654

QC Report No.23654

Lab Sample ID: T365408 Date Received: 04/21/95

Percent Solids : ___0.0

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

CAS No.	Analyte	Concentration	с	Q	м
7429-90-5	Aluminum		-		NR
7440-36-0	Antimony		-		NR
7440-38-2	Arsenic	0.056000	Ū		P
7440-39-3	Barium	0.464130			P_
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.005000	Ū		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.008000	U		P_
7440-48-4	Cobalt -				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	0.062940			P_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.000200	Ū		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_	0.087000	U		$ P_ $
7440-22-4	Silver	0.010980			P_
7440-23-5	Sodium				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc				NR

CODES :

P: ICP; F: GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required. Comments: BOCDC TCLP

1B

0.04

0.04

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

121-14-2----2,4-Dinitrotoluene

87-68-3-----Hexachlorobutadiene

118-74-1-----Hexachlorobenzene

67-72-1-----Hexachloroethane

87-86-5-----Pentachlorophenol

95-95-4-----2,4,5-Trichlorophenol

88-06-2-----2,4,6-Trichlorophenol

106-46-7-----1,4-Dichlorobenzene

98-95-3-----Nitrobenzene

110-86-1----Pyridine

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BOCDCRE Lab Name: NYTEST ENV INC Contract: 9521691 Lab Code: NYTEST Case No.: 23654 SAS No.: SDG No.: 23654 Matrix: (soil/water) WATER Lab Sample ID: 2365408 Lab File ID: Sample wt/vol: 250 (g/mL) ML Q4426.D Level: (low/med) LOW Date Received: 04/21/95 % Moisture: not dec. 0 dec. Date Extracted:05/01/95 (SepF/Cont/Sonc) Date Analyzed: 05/02/95 Extraction: SEPF GPC Cleanup: (Y/N) N pH: 8.8 Dilution Factor: 1.0 CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L CAS NO. COMPOUND Q 95-48-7----2-Methylphenol 0.04 U -----3+4-Methylphenol 0.08 U

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EPA SAMPLE NO.

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

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Lab Na	ame: NYTEST ENV	INC	Contract: 95216	591	BODO	2
Lab Co	ode: NYTEST (Case No.: 23654T	SAS No.:	SDG	No.: 23	3654
Matrix	: (soil/water)	WATER	Lab Sa	ample ID:	236540)9
Sample	e wt/vol:	1.0 (g/mL) ML	Lab Fi	ile ID:	N2008.	.D
Level:	(low/med)	LOW	Date F	Received:	03/21,	/95
% Mois	sture: not dec.		Date A	Analyzed:	04/27/	/95
Columr	n: (pack/cap) (CAP	Diluti	ion Facto	or: 1.0	
	CAS NO.	COMPOUND	CONCENTRATIC (mg/L or mg/	ON UNITS: 'Kg) MG/L	ı	Q
	75-01-4	Vinyl Chloride	2		0.03	J -

75-01-4Vinyl Chloride		0.03	J	-
75-35-41,1-Dichloroethene		0.05	U	
67-66-3Chloroform	1	0.05	U	
107-06-21,2-Dichloroethane	1	0.05	U	
78-93-32-Butanone	1	0.05	U	
56-23-5Carbon Tetrachloride		0.05	U	
79-01-6Trichloroethene		0.01	J	r
71-43-2Benzene	1	0.05	U	
127-18-4Tetrachloroethene		0.05	ប	
108-90-7Chlorobenzene	1	0.05	U	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BODC Contract: 9521691 Lab Name: NYTEST ENV INC Lab Code: NYTEST Case No.: 23654 SAS No.: SDG No.: 23654 Matrix: (soil/water) WATER Lab Sample ID: 2365409 Lab File ID: 250 (g/mL) ML Q4285.D Sample wt/vol: Date Received: 04/21/95 Level: (low/med) LOW % Moisture: not dec. 0 dec. Date Extracted:04/25/95 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/26/95 GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0 CONCENTRATION UNITS: CAS NO. COMPOUND (mg/L or mg/Kg) MG/L Q 1 т

			1
95-48-72-Methylphenol	0.87	E	
3+4-Methylphenol	0.34		L
121-14-22,4-Dinitrotoluene	0.04	U	ſ
118-74-1Hexachlorobenzene	0.04	U	
87-68-3Hexachlorobutadiene	• 0.04	U	
67-72-1Hexachloroethane	0.04	U	
98-95-3Nitrobenzene	0.04	U	
87-86-5Pentachlorophenol	0.20	U	
110-86-1Pyridine	0.04	U	
95-95-42,4,5-Trichlorophenol	0.04	U	
88-06-22,4,6-Trichlorophenol	0.04	U	
106-46-71,4-Dichlorobenzene	0.04	U	

TCLP PEST - FORM 1

NYTEST ENVIRONMENTAL INC.

TCLP PESTICIDE ORGANICS ANALYSIS DATA SHEET

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SAMPLE MATRIX:	WATER	SAMPLE ID:	BODC
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2365409
EXTRACTION DATE:	04/25/95	DIL FACTOR:	1.00
ANALYSIS DATE:	04/26/95	* MOISTURE:NA	

CMPD	#	CAS Number	TCLP PESTICIDE COMPOUNDS	MG/L			
	1	57-74-9	Chlordane	1	0.003	U	-1
	2	70-20-B	Bndrin	1	0.0006	U	ł
	3	76-44-8/1024-57-3	Heptachlor & Heptachlor Bpoxide	1	0.0003	U	I
	4	58-89-9	gamma-BHC(Lindane)	1	0.0003	U	I
	5	72-43-5	Methoxychlor	1	0.003	U	1
	6	8001-35-2	Toxaphene	1	0.03	U	I
	1.		_1	_			_1

TCLP HEPB - FORM 1 NYTEST ENVIRONMENTAL INC.

TCLP HERBICIDES ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	BODC
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2365409
EXTRACTION DATE:	04/25/95	DIL FACTOR:	1.00
ANALYSIS DATE:	04/27/95	* MOISTURE:NA	

CMPD # CAS Number TCLP HERBICIDE COMPOUNDS MG/L

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1000

1 94-75-7	2,4-D		0.01 U
2 93-71-1	2,4,5-TP (Silvex)	1	0.001 U
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NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

BODC

ab Name: NYTEST_ENV_INC._____ Contract: 9521691__

Lab Code: NYTEST Login No.: 23654_

QC Report No.23654_

atrix (soil/water): WATER Level (low/high) : LOW Percent Solids : __0.0

Lab Sample ID: T365409 Date Received: 04/21/95

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

CAS No.	Analyte	Concentration	с	Q	м
7429-90-5	Aluminum		-		NR
7440-36-0	Antimony		-		NR
7440-38-2	Arsenic	0.079340	_		P
7440-39-3	Barium —	0.431750	-		P
7440-41-7	Beryllium		-		NR
7440-43-9	Cadmium	0.005000	Ū		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.008000	U		P
7440-48-4	Cobalt -				NR
7440-50-8	Copper		-		NR
7439-89-6	Iron		-		NR
7439-92-1	Lead	0.046000	ប		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese		-		NR
7439-97-6	Mercury	0.000200	ប		cv
7440-02-0	Nickel				NR
7440-09-7	Potassium		-		NR
7782-49-2	Selenium	0.087000	U		P
7440-22-4	Silver	0.007000	U		P^{-}
7440-23-5	Sodium				NR
7440-28-0	Thallium		-		NR
7440-62-2	Vanadium		-		NR
7440-66-6	Zinc -		-		NR
			-		
			-		
			-		1 1

- CODES :

DES : P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required. Comments: BODC TCLP

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC	Contract: 9521691 BODCDL
Lab Code: NYTEST Case No.: 23654	SAS No.: SDG No.: 23654
Matrix: (soil/water) WATER	Lab Sample ID: 2365409
Sample wt/vol: 250 (g/mL) ML	Lab File ID: Q4286.D
Level: (low/med) LOW	Date Received: 04/21/95
% Moisture: not dec. 0 dec.	Date Extracted:04/25/95
Extraction: (SepF/Cont/Sonc) SEPF	Date Analyzed: 04/26/95
GPC Cleanup: (Y/N) N pH: 5.	0 Dilution Factor: 5.0
CAS NO. COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L Q

95-48-72-Methylphenol	1.00	D
3+4-Methylphenol	0.38	JD
121-14-22,4-Dinitrotoluene	0.20	U
118-74-1Hexachlorobenzene	0.20	U
87-68-3Hexachlorobutadiene	0.20	U
67-72-1Hexachloroethane	0.20	U
98-95-3Nitrobenzene	0.20	U
87-86-5Pentachlorophenol	1.00	U
110-86-1Pyridine	0.20	U
95-95-42,4,5-Trichlorophenol	0.20	U
88-06-22,4,6-Trichlorophenol	0.20	U
106-46-71,4-Dichlorobenzene	0.20	U

1A

EPA SAMPLE NO.

VBLKP48

VOLATILE ORGANICS A	ANALYSIS	DATA	SHEET
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Lab Name: NYTEST ENV INC

Lab Code: NYTEST Case No.: 23654

Matrix: (soil/water) SOIL

Sample wt/vol: 4.0 (g/mL) G

Level: (low/med) MED

% Moisture: not dec. 0

Column: (pack/cap) CAP

Contract: 9521691

SAS No.:

SDG No.: 23654

Lab Sample ID: VBLKP48

Lab File ID: P4631.D

Date Received: 00/00/00

Data Analyzed: 05/01/95

Dilution Factor: 1.0

CAS NO.

COMPOUND

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

Q

74-87-3Chloromethane	1200	T1
74-83-9Bromomethane	1200	
75-01-4Vinvl Chloride	1200	
75-00-3Chloroethane	1200	о П
75-09-2Methylene Chloride	1200	
67-64-1Deetope	1200	
75-15-0Carbon Digulfide	. 1200	
75-35-41 1-Dichloroethere	1200	
75-34-2	1200	
540 59 0 1.2 Dichloroethone (total)	1200	
67 66 2 Chloroform	1200	
107.06.2 1.2 Dichlorosthone	1200	
107-06-21,2-Dichioroethane	1200	
70-93-32-Buldhone	1200	
/1-55-61,1,1-Trichloroethane	1200	
56-23-5Carbon Tetrachioride	1200	U
75-27-4Bromodicnioromethane	1200	U T
78-87-51,2-Dichloropropane	1200	0
10061-01-5cis-1, 3-Dichloropropene	1200	U
79-01-6Trichloroethene	1200	U
124-48-1Dibromochloromethane	1200	Ŭ
79-00-51,1,2-Trichloroethane	1200	Ŭ
71-43-2Benzene	1200	Ŭ
10061-02-6trans-1,3-Dichloropropene	1200	U
75-25-2Bromoform	1200	ប
108-10-14-Methyl-2-Pentanone	1200	U
591-78-62-Hexanone	1200	U
127-18-4Tetrachloroethene	1200	U
79-34-51,1,2,2-Tetrachloroethane	1200	U
108-88-3Toluene	1200	U
108-90-7Chlorobenzene	1200	U
100-41-4Ethylbenzene	1200	U U
100-42-5Styrene	1200	U U
1330-20-7Xylene (total)	1200	ט
108-05-4Vinyl Acetate	1200	U

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SW846 METHOD 8240A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9521691 Case No.: 23654 Lab Code: NYTEST Matrix: (soil/water) SOIL

Sample wt/vol: 4.0 (g/mL) G

Level: (low/med)MED

% Moisture: not dec. 0

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Contraction of the

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Column: (pack/cap) CAP Dilution Factor: 1.0

SAS No.:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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000038 SW846 METHOD 8240A

VBLKP48

SDG No.: 23654

Lab Sample ID: VBLKP48

Lab File ID: P4631.D

Date Received: 00/00/00

Data Analyzed: 05/01/95

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Na	me: NYTEST ENV	INC	Contract	9521	691	VTB	LK0424
Lab Co	de: NYTEST	Case No.: 23654T	SAS No.:	:	SDG	No.: 2	3654
Matrix	: (soil/water)	WATER		Lab Sa	ample ID:	VTBLK	0424
Sample	e wt/vol:	1.0 (g/mL) ML		Lab F:	ile ID:	N1994	.D
Level:	(low/med)	LOW		Date 1	Received:	00/00	/00
% Mois	sture: not dec.			Date A	Analyzed:	04/26	/95
Column: (pack/cap) CAP Dilution Factor: 1.0							
	CAS NO.	COMPOUND	CONCEN (mg/L	TRATI(or mg,	ON UNITS: /Kg) MG/L	J	Q
	75-01-4	Vinvl Chloride	2			0.05	TI

1			4
	75-01-4Vinyl Chloride	0.05	U
	75-35-41,1-Dichloroethene	0.05	U
	67-66-3Chloroform	0.05	U
	107-06-21,2-Dichloroethane	0.05	U
	78-93-32-Butanone	0.05	U
	56-23-5Carbon Tetrachloride	0.05	U
	79-01-6Trichloroethene	0.05	U
	71-43-2Benzene	0.05	U
	127-18-4Tetrachloroethene	0.05	U
	108-90-7Chlorobenzene	0.05	U

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

78-93-3----2-Butanone

71-43-2----Benzene

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56-23-5-----Carbon Tetrachloride 79-01-6----Trichloroethene

127-18-4-----Tetrachloroethene 108-90-7----Chlorobenzene EPA SAMPLE NO.

0.01

0.01

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Lab Name: NYTEST ENV INC	Contract: 9521691	
Lab Code: NYTEST Case No.: 23654T	SAS No.: SDG No.: 23654	
Matrix: (soil/water) WATER	Lab Sample ID: VBLKN09	
Sample wt/vol: 5.0 (g/mL) ML	Lab File ID: N1993.D	
Level: (low/med) LOW	Date Received: 00/00/00	
% Moisture: not dec	Date Analyzed: 04/26/95	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
CAS NO. COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L Q	
75-01-4Vinyl Chloride 75-35-41,1-Dichloroet 67-66-3Chloroform 107-06-21,2-Dichloroet	0.01 U 0.01 U 0.01 U 0.01 U 0.01 U 0.01 U	

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71-43-2----Benzene

127-18-4-----Tetrachloroethene

108-90-7----Chlorobenzene

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0.01

0.01

0.01

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Lah Na	Me. NYTEST EN	V INC	Contract, 9521	691	VBL	KN12
Lab Co	ode: NYTEST	Case No.: 23654T	SAS No.:	SDG	No.: 2	3654
Matrix	: (soil/water) WATER	Lab S	ample ID:	: VBLKN	12
Sample	e wt/vol:	5.0 (g/mL) ML	Lab F	ile ID:	N2040	.D
Level:	(low/med)	LOW	Date	Received:	: 00/00	/00
% Mois	% Moisture: not dec Date Analyzed: 04/28/95					
Column	n: (pack/cap)	CAP	Dilut	ion Facto	or: 1.0	
	CAS NO.	COMPOUND	CONCENTRATI (mg/L or mg	ON UNITS: /Kg) MG/I	:	Q
	75-01-4 75-35-4 67-66-3 107-06-2 78-93-3 56-23-5 79-01-6	Vinyl Chlorid 1,1-Dichloroe Chloroform 1,2-Dichloroe 2-Butanone Carbon Tetrac Trichloroethe	e thene thane hloride ne		0.01 0.01 0.01 0.01 0.01 0.01 0.01	U U U U U U

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: 23654

EPA SAMPLE NO.

SBLK46

SDG No.: 23654

Q4225.D

Lab Sample ID: SMB0424A

Date Received: 00/00/00

Date Extracted:04/24/95

Date Analyzed: 04/25/95

Dilution Factor: 25.0

Lab File ID:

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Matrix: (soil/water) SOIL Sample wt/vol: 1.0 (g/mL) G

Lab Name: NYTEST ENV INC

Lab Code: NYTEST

Level: (low/med) MED

% Moisture: not dec. 0 dec.

Extraction: (SepF/Cont/Sonc) SONC

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

CAS NO.

COMPOUND

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

Contract: 9521691

SAS No.:

Q

108-95-2Phenol	250000	U
111-44-4bis(2-Chloroethyl)Ether	250000	U
95-57-82-Chlorophenol	250000	ប
541-73-11,3-Dichlorobenzene	250000	ប
106-46-71,4-Dichlorobenzene	250000	ប
95-50-11,2-Dichlorobenzene	250000	ប
95-48-72-Methylphenol	250000	U
108-60-12,2'-oxybis(1-Chloropropane)	250000	ប
106-44-54-Methylphenol	250000	U
621-64-7N-Nitroso-di-n-propylamine	250000	ט
67-72-1Hexachloroethane	250000	U
98-95-3Nitrobenzene	250000	U
78-59-1Isophorone	250000	U
88-75-52-Nitrophenol	250000	U
105-67-92,4-Dimethylphenol	250000	U
120-83-22,4-Dichlorophenol	250000	U
120-82-11,2,4-Trichlorobenzene	250000	U
91-20-3Naphthalene	250000	U
106-47-84-Chloroaniline	250000	U
87-68-3Hexachlorobutadiene	250000	U
111-91-1bis(2-Chloroethoxy)methane	250000	U
59-50-74-Chloro-3-Methylphenol	250000	U
91-57-62-Methylnaphthalene	250000	U
77-47-4Hexachlorocyclopentadiene	250000	U
88-06-22,4,6-Trichlorophenol	250000	U
95-95-42,4,5-Trichlorophenol	250000	U
91-58-72-Chloronaphthalene	250000	U
88-74-42-Nitroaniline	250000	U
131-11-3Dimethylphthalate	250000	U
208-96-8Acenaphthylene	250000	U
606-20-22,6-Dinitrotoluene	250000	U
99-09-23-Nitroaniline	250000	U
83-32-9Acenaphthene	250000	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

SW846 METHOD 8270A

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK46 Lab Name: NYTEST ENV INC Contract: 9521691 Case No.: 23654 SAS No.: SDG No.: 23654 Lab Code: NYTEST Matrix: (soil/water) SOIL Lab Sample ID: SMB0424A 1.0 (g/mL) G Lab File ID: Sample wt/vol: 04225.D Level: (low/med)Date Received: 00/00/00 MED % Moisture: not dec. 0 dec. Date Extracted:04/24/95 Extraction: (SepF/Cont/Sonc) Date Analyzed: 04/25/95 SONC Dilution Factor: 25.0 GPC Cleanup: (Y/N) N pH: 7.0 CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

51-28-5-----2,4-Dinitrophenol 250000 U 250000 U 100-02-7----4-Nitrophenol 132-64-9----Dibenzofuran 250000 U 121-14-2----2,4-Dinitrotoluene U 250000 U 84-66-2----Diethylphthalate 250000 7005-72-3-----4-Chlorophenyl-phenylether U 250000 86-73-7-----Fluorene U 250000 100-01-6----4-Nitroaniline U 250000 534-52-1-----4,6-Dinitro-2-methylphenol 250000 U 86-30-6-----N-Nitrosodiphenylamine (1) U 250000 101-55-3-----4-Bromophenyl-phenylether U 250000 118-74-1----Hexachlorobenzene 250000 U 87-86-5-----Pentachlorophenol 250000 U U 85-01-8-----Phenanthrene 250000 120-12-7----Anthracene 250000 U 86-74-8-----Carbazole 250000 U 84-74-2----Di-n-butylphthalate U 250000 206-44-0----Fluoranthene U 250000 129-00-0----Pyrene U 250000 85-68-7-----Butylbenzylphthalate 250000 U 91-94-1-----3,3'-Dichlorobenzidine 250000 U 56-55-3-----Benzo(a)anthracene 250000 U 218-01-9-----Chrysene U 250000 117-81-7----bis (2-Ethylhexyl) phthalate U 250000 117-84-0----Di-n-octylphthalate U 250000 205-99-2----Benzo (b) fluoranthene U 250000 207-08-9-----Benzo(k) fluoranthene 250000 U 50-32-8-----Benzo(a)pyrene 250000 U 193-39-5-----Indeno(1,2,3-cd)pyrene 250000 U 53-70-3-----Dibenz(a,h)anthracene 250000 U 191-24-2----Benzo(q,h,i)perylene 250000 U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1FSEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC Contract: 9521691 SDG No.: 23654 Lab Code: NYTEST Case No.: 23654 SAS No.: Matrix: (soil/water) SOIL Lab Sample ID: SMB0424A Lab File ID: Sample wt/vol: 1.0 (g/mL) G Q4225.D Date Received: 00/00/00 Level: (low/med) MED % Moisture: not dec. 0 dec. Date Extracted:04/24/95 Date Analyzed: 04/25/95 Extraction: (SepF/Cont/Sonc) SONC Dilution Factor: 25.0 GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

0.000

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

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

EPA SAMPLE NO.

SBLK50 Lab Name: NYTEST ENV INC Contract: 9521691 Lab Code: NYTEST Case No.: 23654 SAS No.: SDG No.: 23654 Lab Sample ID: SMB0426A Matrix: (soil/water) WATER Sample wt/vol: 250 (q/mL) ML Lab File ID: Q4282.D Date Received: 00/00/00 Level: (low/med) LOW % Moisture: not dec. Date Extracted:04/25/95 0 dec. Date Analyzed: 04/26/95 Extraction: (SepF/Cont/Sonc) SEPF GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0 CONCENTRATION UNITS: CAS NO. COMPOUND (mg/L or mg/Kg) MG/L Q

95-48-72-Methylphenol 3+4-Methylphenol 121-14-22,4-Dinitrotoluene 118-74-1Hexachlorobenzene 87-68-3Hexachlorobutadiene 67-72-1Hexachloroethane 98-95-3Nitrobenzene 87-86-5Pentachlorophenol 110-86-1Pyridine 95-95-42,4,5-Trichlorophenol 88-06-22,4,6-Trichlorophenol	-	0.04 0.08 0.04 0.04 0.04 0.04 0.04 0.20 0.04 0.04	ט ט ט ט ע ע ע
95-95-42,4,5-Trichlorophenol 88-06-22,4,6-Trichlorophenol		$0.04 \\ 0.04$	U U
106-46-71,4-Dichlorobenzene		0.04	U
1B

SEMIVOLATILE ORGANICS ANALYS	SIS DATA	SHEET
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SBLK52 Lab Name: NYTEST ENV INC Contract: 9521691 Lab Code: NYTEST Case No.: 23654 SAS No.: SDG No.: 23654 Matrix: (soil/water) WATER Lab Sample ID: SWB0426A Lab File ID: Sample wt/vol: 250 (g/mL) ML Q4303.D Date Received: 00/00/00 Level: (low/med) LOW % Moisture: not dec. 0 dec. Date Extracted:04/26/95 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/27/95 GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0 CONCENTRATION UNITS: CAS NO. (mg/L or mg/Kq) MG/L COMPOUND Q 1 Τ Т

95-48-72-Methylphenol	0.04	U
3+4-Methylphenol	0.08	U
121-14-22,4-Dinitrotoluene	0.04	Ų
118-74-1Hexachlorobenzene	0.04	U
87-68-3Hexachlorobutadiene	0.04	ប
67-72-1Hexachloroethane	0.04	U
98-95-3Nitrobenzene	0.04	U
87-86-5Pentachlorophenol	0.20	U
110-86-1Pyridine	0.04	ប
95-95-42,4,5-Trichlorophenol	0.04	U
88-06-22,4,6-Trichlorophenol	0.04	U
106-46-71,4-Dichlorobenzene	0.04	U

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EPA SAMPLE NO.

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1B SEMIVOLATILE ORGANICS ANAL	EPA SAMPL YSIS DATA SHEET
Lab Name: NYTEST ENV INC	Contract: 9521691
Lab Code: NYTEST Case No.: 23654	SAS No.: SDG No.: 23654
Matrix: (soil/water) WATER	Lab Sample ID: SWB0501B
Sample wt/vol: 250 (g/mL) ML	Lab File ID: Q4422.D
Level: (low/med) LOW	Date Received: 00/00/00
% Moisture: not dec. 0 dec.	Date Extracted:05/01/95
Extraction: (SepF/Cont/Sonc) SEPF	Date Analyzed: 05/02/95
GPC Cleanup: (Y/N) N pH: 5.0	Dilution Factor: 1.0
CAS NO. COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L Q

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1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

87-68-3-----Hexachlorobutadiene

95-95-4-----2,4,5-Trichlorophenol

88-06-2-----2,4,6-Trichlorophenol 106-46-7-----1,4-Dichlorobenzene

67-72-1-----Hexachloroethane

87-86-5-----Pentachlorophenol

98-95-3----Nitrobenzene

110-86-1----Pyridine

EPA SAMPLE NO.

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0.04

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Lab Name: NYTEST ENV INC Contract	t: 9521691	BLK
Lab Code: NYTEST Case No.: 23654 SAS No	.: SDG No.: 2	3654
Matrix: (soil/water) WATER	Lab Sample ID: TCLPB	SLK
Sample wt/vol: 250 (g/mL) ML	Lab File ID: Q4304	.D
Level: (low/med) LOW	Date Received: 00/00	/00
% Moisture: not dec. 0 dec.	Date Extracted:04/26	/95
Extraction: (SepF/Cont/Sonc) SEPF	Date Analyzed: 04/27	/95
GPC Cleanup: (Y/N) N pH: 7.0	Dilution Factor: 1.0	
CONCE CAS NO. COMPOUND (mg/I	ENTRATION UNITS: L or mg/Kg) MG/L	Q
95-48-72-Methylphenol	0.04	U U
121-14-22,4-Dinitrotoluene 118-74-1Hexachlorobenzene	0.04	U U

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: NYTEST ENV INC Contract	TCLPBLK1
Lab Code: NYTEST Case No.: 23654 SAS No.	.: SDG No.: 23654
Matrix: (soil/water) WATER	Lab Sample ID: TCLPBLK1
Sample wt/vol: 250 (g/mL) ML	Lab File ID: Q4423.D
Level: (low/med) LOW	Date Received: 00/00/00
% Moisture: not dec. 0 dec.	Date Extracted:05/01/95
Extraction: (SepF/Cont/Sonc) SEPF	Date Analyzed: 05/02/95
GPC Cleanup: (Y/N) N pH: 7.0	Dilution Factor: 1.0
CONCE CAS NO. COMPOUND (mg/I	ENTRATION UNITS: Lor mg/Kg) MG/L Q
95-48-72-Methylphenel	0.04

95-48-72-Methylphenol	$\begin{array}{c} 0.04 \\ 0.08 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.20 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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8080 - FORM 1 NYTEST BIVIRONMENTAL INC.

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(1000)

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

	SAMPLE MATRIX	: SOIL	SAME	PLE ID:	PBLK6		
	CONC. LEVEL	: MBD	LAB SAME	LE ID:	PMB0424B		
	EXTRACTION DATE	: 04/24/95	DIL F	ACTOR :	5.00		
	ANALYSIS DATE	: 04/28/95	NOI	STURE:	NA		
					UG/KG		
CMPD #	CAS Number	PESTICIDE/PCB COMPO	UND		(DRY BASIS)		
							-
1	319-84-6	alpha-BHC		1	600	U	1
2	319-85-7	beta-BHC		1	600	U	1
3	319-86-8	delta-BHC		1	600	U	1
4	58-89-9	gamma-BHC(Lindane)		1	600	U	1
5	76-44-8	Heptachlor		1	600	U	1
6	309-00-2	Aldrin		1	600	U	1
7	1024-57-3	Heptachlor Epoxide		1	600	U	1
8	959-98-8	Endosulfan I		1	600	υ	I
9	60-57-1	Dieldrin		1	1200	U	1
10	72-55-9	4,4'-DDE		1	1200	U	1
11	72-20-8	Bndrin		1	1200	υ	ł
12	33213-65-9	Bndoeulfan II		1	1200	U	1
13	72-54-8	4,4'-DDD		1	1200	U	I
14	1031-07-8	Endosulfan Sulfate		1	1200	U	1
15	50-29-3	4,4'-DDT		1	1200	U	1
16	72-43-5	Methoxychlor		1	6000	U	1
17	53494-70-5	Endrin Ketone		1	1200	υ	1
18	7421-93-4	Bndrin Aldehyde		1	1200	U	1
19	5103-71-9	alpha-Chlordane		1	600	U	I
20	5103-74-2	gamma-Chlordane		1	600	U	1
21	8001-35-2	Toxaphene		1	12000	υ	1
22	12674-11-2	Aroclor-1016		1	6000	U	1
23	11104-28-2	Aroclor-1221		1	6000	U	1
24	11141-16-5	Aroclor-1232		1	6000	U	1
25	53469-21-9	Aroclor-1242		Í	6000	U	1
26	12672-29-6	Aroclor-1248		I	6000	U	1
27	11097-69-1	Aroclor-1254		i	6000	U	1
28	11096-82-5	Aroclor-1260		i	6000	U	1
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TCLP PEST - FORM 1 NYTEST ENVIRONMENTAL INC.

TCLP PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATBR	SAMPLE ID:	PTBLK
CONC. LEVEL:	LOW	LAB SAMPLE ID:	PTBLK
EXTRACTION DATE:	04/26/95	DIL FACTOR:	1.00
ANALYSIS DATE:	04/26/95	MOISTURE:NA	

CMPD #	CAS Number	TCLP PESTICIDE	COMPOUNDS	MG/L

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1 57-74	-9	Chlordane	1	0.003	U	1
2 70-20	-8	Bndrin	1	0.0006	U	1
3 76-44	-8/1024-57-3	Heptachlor & Heptachlor Bpoxide	F	0.0003	U	Ι
4 58-89	-9	gamma-BHC(Lindane)	1	0.0003	U	1
5 72-43	-5	Methoxychlor	1	0.003	U	1
6 8001-	35-2	Toxaphene	1	0.03	U	1
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TCLP PEST - FORM 1 NYTEST ENVIRONMENTAL INC.

MG/L

TCLP PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	PBLK13
CONC. LEVEL:	LOW	LAB SAMPLE ID:	PWB0425A
EXTRACTION DATE:	04/25/95	DIL FACTOR:	1.00
ANALYSIS DATE:	04/26/95	MOISTURE:NA	

CMPD # CAS Nu	mber
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TCLP PESTICIDE COMPOUNDS

1 57-74-9	Chlordane	Ι	0.003 U
2 70-20-8	Bndrin	I	0.0006 U
3 76-44-8/1024-57-3	Heptachlor & Heptachlor Bpoxide	1	0.0003 U
4 58-89-9	gamma-BHC(Lindane)	1	0.0003 U
5 72-43-5	Methoxychlor	I.	0.003 U
6 8001-35-2] Toxaphene	1	0.03 U
		_	

TCLP PEST - FORM 1 NYTEST ENVIRONMENTAL INC.

TCLP PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	PBLK14
CONC. LEVEL:	LOW	LAB SAMPLE ID:	PWB0426A
EXTRACTION DATE:	04/26/95	DIL FACTOR:	1.00
ANALYSIS DATE:	04/26/95	* MOISTURE:NA	

1

(COLOR)

Contraction of

CMPD	#		CAS Number	TCLP PESTICIDE COMPOUNDS	MG/L			
	1	Ē	57-74-9	Chlordane	1	0.003	υ	-
	2	I	70-20-8	Bndrin	1	0.0006	υ	I
	3	1	76-44-8/1024-57-	3 Heptachlor & Heptachlor Bpoxide	Ι	0.0003	U	1
	4	ł	58-89-9	gamma-BHC(Lindane)	1	0.0003	U	1
	5	I	72-43-5	Methoxychlor	1	0.003	U	1
	6	ł	8001-35-2	Toxaphene	1	0.03	U	1
		١_			_			

TCLP HERB - FORM 1 NYTEST ENVIRONMENTAL INC.

TCLP HERBICIDES ORGANICS ANALYSIS DATA SHEET

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WATER	SAMPLE ID:	HTBLK
LOW	LAB SAMPLE ID: PRBP	04/24
C4/25/95	DIL FACTOR:	1.00
04/27/95	* MOISTURE:NA	
	WATER LOW C4/25/95 04/27/95	WATERSAMPLE ID:LOWLAB SAMPLE ID: PREPC4/25/95DIL FACTOR:04/27/95MOISTURE:NA

CMPD #	CAS Number	TCLP HERBICIDE COMPOUNDS	MG/L	
1	94-75-7	2,4-D	0.01 U	1
2	93-71-1	2,4,5-TP (Silvex)	0.001 U	1

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TCLP HERB - FORM 1 NYTEST ENVIRONMENTAL INC.

TCLP HERBICIDES ORGANICS ANALYSIS DATA SHEET

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		SAMPLE M	ATRIX: WATER	SAMPLE	ID:	HBLK14	
		CONC. 1	LEVEL: LOW	LAB SAMPLE	ID: 1	HWB0425A	
		EXTRACTION	DATE: 04/25/95	DIL FAC	TOR :	1.00	
		ANALYSIS	DATE: 04/27/95	¥ MOIST	URE:NA		
CMPD	#	CAS Number	TCLP HERBICIDE	Compounds	MG/X	ն	
	1	94-75-7	2,4-D		1	0.01 U	-1
	2	93-71-1	2,4,5-TP (Si	lvex)	1	0.001 U	1
		I					_1

NYTEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____ Contract: 9521691

ab Code: NYTEST Login No.: 23654_

QC Report No.: 23654___

Preparation Blank Matrix (soil/water): WATER

rreparation Blank Concentration Units (ug/L or mg/kg): UG/L_

,L Analyte	Initial Calib. Blank (ug/L)	с	Conti 1	nı BJ C	uing Calibr lank (ug/L) 2	at C	ion 3	c	Prepa- ration Blank	с	м
Aluminum_ Antimony_ Arsenic_ Barium_ Beryllium Cadmium_ Calcium_ Chromium_ Cobalt_ Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium									56.000 17.000 5.000 5.000 8.000 46.000 0.200 7.000 7.000		NR NR P P NR P NR NR NR NR NR NR NR NR NR NR NR NR NR
[^{Zinc}		-		_		_		-	· · · · · · · · · · · · · · · · · · ·	-	NR_

NR = Analyte Not Requested

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NYTEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC.____ Contract: 9521691___

b Code: NYTEST Login No.: 23654_

QC Report No.: 23654

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

						_			1		
Analyte	Initial Calib. Blank (ug/L)	C	Cont: 1	B. C	uing Calib lank (ug/L) 2	rat) C	tion 3	с	Prepa- ration Blank	с	M
Aluminum		Т							4,700	Π	P
Antimony		- -		-		-		-	4.700	U	P
Arsenic		-1-		-		-		-	0.500	U	F
Barium				-		-		-	1.700	U	P
Beryllium				-		-		-	0.100	U	P
Cadmium				-		-			0.500	U	P
Calcium				_					50.200	U	P
Chromium_									0.800	U	P
_Cobalt									1.100	U	P
Copper	and the second second			_	*	_			0.900	U	P
[ron				_		_			1.600	U	P
Lead		- _		_		-			4.600	U	P
Magnesium				_		_		_	217.400	U	P
Manganese				_		_		_	0.200	U	P
Mercury				_		-		_	0.100	U	CV_
Nickel		- -		_		-		-	3.300	U	P
Potassium		- _		_		-		_	182.200	U	P
Selenium		- -		_		_		_	0.500	U	F
Silver		- -		_		-		_	0.700	U	P
Sodium		-		-		_		_	68.500	U	P
Thallium_		-		_		-		_	0.500	U	F
Vanadium_		- -		_		-		-	0.800	U	P
21nc		- -		_		-		_	0.600	U	P
·		-		_		-		_		-	
				_		_					

NR = Analyte Not Requested

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NEI FORM 5 - (1/94)

INFRASTRUCTURE

Chain of Custody Record

													Cu	istoc	iy Se	al #			RU	IST E	&I C	ooler	# -			
Projec	t Number	Project Nan	ne/Client									A	nalysi	is R	equir	red							N	latrix		
388	343	Bende	RON							¥										Sa	mple	Type	Sa	ample	Container	
Sampl	lers: (Signature)	Qu					Lab		P VOA	P/Ace	+30	+20										dm1		6 hase	10	XXXX
Item No.	Sample De (Field ID I	scription Number)	Date	Time	Grab	Comp	Sample Number	Container Number	TCL	TCL	771									à.	Rec		567	int.	503	
1	Polampl		4/2045	1540		V			V			_	-	_	_	_	+	_			+	++	1	11		
2	POCOMP	2		11		/			~	_		_	_	_	-		+		_			++	1	1-+		
3	P.D. COMP'	<u> </u>		11_		~			V			_	_	+	-		+		_		+	++	1	4-+		
. 4	COCOMP	4		μ_		~			1	-	_	_	+	+	_		++		_	4	+	++	1	4+		
5	B) (anp	5		V		~			V		_	_	_	+	_		+	_		M	+	<u></u>		1 1		
6	BODSI		+	1610	5						V	-	-	+	+				-	+		+	-	V	4	
7	BDDS2			1625	2				-	_	~	+	+	+								1+		1/1		
8	BOCDC			1640		1	-		-	V	_	-	_	+	_	-					-	++	-	+-+	2	
9	PODC		1	1700		V				\checkmark		\rightarrow	-	_		_	+			 	4	++		++	2	
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Send L	ab Results To:			Remar	ks:								Ch	eck	Deliv	ery M	lethod:		Labo	oratory	Rece	iving	Notes:	:		
Ru	IST E + F												Samples delivered in person				Custody Seal Intact?									
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44	> (unindice D.	r Amhanst	NY19228	La	b:														Sam	ple Co	nditio	n:	_			
Rev. 4/93	2v. 4/93 / White Copy - Lab Yellow Copy - File Pink Copy - Client F514/Earth.Sci																									

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT ivtest enviror 9521691 Project No.: 24389 Log in No. : 011134 P.O. No. : 07/18/95 Date : 1 SUMMARY DATA REPORT PACKAGE FOR Benderson Development Co. 1900 Military Road Niagara Falls, NY 14304 Joe O'Donnell ATTN : REF: Benderson Outlet } 11, Proj.#38843.300 TYPE OF LABORATORY SAMPLE SAMPLE IDENTIFICATION NUMBER SEE NEXT PAGE -Report To: Rust Environmental RESPECTFULLY SUBMITTED, WE CERTIFY THAT THIS REPORT IS A NYTEST ENVIRONMENTAL INC. 495 Commerce Drive TRUE REPORT OF RESULTS OBTAINED Amherst, NY 14228 FROM OUR TESTS OF THIS MATERIAL. Attn: Gerry Miller EMO GIGANTI NYS Lab ID. #10195 EXEC. VICE PRESIDENT NJ Cert. #73469 Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has

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

completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.

A SUDAL

nytest environmental...

Method Qualifiers for Organic Non-CLP Methodologies

Q Qualifier - Specified entries and their meanings as follows:

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- U Indicates compound was analyzed for, but was not detected. The sample quantitation limit is corrected for dilutions and for the moisture content for soil samples. If a sample extract can not be concentrated to the protocol - specific volume, this fact is also accounted for in reporting the sample quantitation limit. The number is the minimum detected limits for the sample.
- J Indicates an estimated volume. The flag is used either when estimating concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria, but the result is less than the sample quantitation limit, but greater than zero.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- B This flag is used when the analyte is found in the associated blank as well as the sample. It indicates possible/probable blank contamination and warns the data used to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound.
- E This flag identifies compound whose concentrations exceeded the calibration range of the GC/MS instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- A This flag indicates that a TIC is a suspected aldol condensation product.

NARRATIVE DISCUSSION VOLATILES - 24389

INTRODUCTION

This narrative covers the analysis of one (1) aqueous sample and five (5) soil samples in accordance with protocols based on USEPA CLP (3/90).

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.

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.

SURROGATES (SYSTEM MONITORING COMPOUNDS)

All surrogate recoveries met QC criteria.

MATRIX SPIKES .

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F.

Sample BMSAM1 was utilized in the low soil MS/MSD series. All spike recoveries and RPD values fell within the advisory QC limits.

INTERNAL STANDARDS

Area responses and retention times fell within an acceptable range, with the exception of sample BMSAM1. Reanalysis was performed and comparable results were obtained, which is indicative of sample matrix affects. Both sets of data are included.

SAMPLE COMMENTS

The TICs identified as "Unknown Siloxane" are most probably due to column degradation and not sample constituency.

No other analytical problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

1

Gigante Exec. VP Remo

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

BMSAM1 Lab Name: NYTEST ENV INC Contract: 9521691 Lab Code: NYTEST Case No.: 24389 SAS No.: SDG No.: 24389 Matrix: (soil/water) SOIL Lab Sample ID: 2438901 Lab File ID: 5.0 (g/mL) G Sample wt/vol: P5934.D rom) Date Received: 07/12/95 (low/med) Level: % Moisture: not dec. 19 Date Analyzed: 07/13/95 Dilution Factor: 1.0 GC Column: CAP ID: 0.53 (mm) Soil Aliquot Volume: ____(uL) Soil Extract Volume: _____(uL)

CAS NO.

COMPOUND

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

Q

	74-87-3Chloromethane	12	U
	74-83-9Bromomethane	12	U
	75-01-4Vinyl Chloride	19	
	75-00-3Chloroethane	12	U
	75-09-2Methylene Chloride	4	J
	67-64-1Acetone	12	U
	75-15-0Carbon Disulfide	12	U
	75-35-41,1-Dichloroethene	[12]	U
	75-34-31,1-Dichloroethane	7	J
	540-59-01,2-Dichloroethene (total)	6	J
	67-66-3Chloroform	12	U
	107-06-21,2-Dichloroethane	12	U
	78-93-32-Butanone	12	U
1	71-55-61,1,1-Trichloroethane	12	U
	56-23-5Carbon Tetrachloride	12	U
	75-27-4Bromodichloromethane	12	U
	78-87-51,2-Dichloropropane	12	U
	10061-01-5cis-1,3-Dichloropropene	12	Ū
	79-01-6Trichloroethene	7	J
	124-48-1Dibromochloromethane	12	Ū
	79-00-51.1.2-Trichloroethane	12	Ū
	71-43-2Benzene	12	Ū
	10061-02-6trans-1.3-Dichloropropene	12	Ū
	75-25-2Bromoform	12	Ū
	108-10-14-Methyl-2-Pentanone	12	Ū
	591-78-62-Hexanone	12	Ŭ
	127-18-4Tetrachloroethene	12	Ū
	79-34-51.1.2.2-Tetrachloroethane	12	Ū
	108-88-3Toluene	12	й
	108-90-7Chlorobenzene	12	U U
	100-41-4Ethylbenzene	12	U U
	100-42-5Styrene	12	
	1330-20-7Xylene (total)	12	
	Ayrene (cocar)	12	0
- 1			

EPA SAMPLE NO.

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	RMSAM1
Lab Name: NYTEST ENV INC	Contract: 9521691
Lab Code: NYTEST Case No.: 24389	SAS No.: SDG No.: 24389
Matrix: (soil/water) SOIL	Lab Sample ID: 2438901
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: P5934.D
Level: (low/med) LOW	Date Received: 07/12/95
% Mois ture: not dec. 19	Date Analyzed: 07/13/95
GC Column:CAP ID: 0.53 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)
	CONCENTED ATTON INITTE.

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST.	CONC.	Q
1.	UNKNOWN SILOXANE	3.119		11	J
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3			}		
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EPA SAMPLE NO.

VOLATILE ORGANIC	3 ANALYSIS	DATA	SHEET	
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	TNC	Contract	• 95216	91	BM	SAM1RE	
Lab Name: NYTEST ENV	TTA/	Concract	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,) I I			I
Lab Code: NYTEST Ca	ase No.: 24389	SAS No.:	:	SDG	No.: 2	24389	
Matrix: (soil/water) :	SOIL		Lab Sa	mple ID:	2438	901	
Sample wt/vol:	5.0 (g/mL) G		Lab Fi	le ID:	P5939	9.D	
Level: (low/med)]	LOW		Date R	eceived:	07/1:	2/95	
<pre>% Moisture: not dec. 1</pre>	19		Date A	nalyzed:	07/1:	3/95	
GC Column:CAP	ID: 0.53 (mm)		Diluti	on Facto	r: 1.0	C	
Soil Extract Volume:	(uL)		Soil A	liquot V	olume	:	_(uL)
CAS NO.	COMPOUND	CONCEN (ug/L	TRATIO	N UNITS: Kg) UG/K	G	Q	
$\begin{array}{c} 74-87-3$	Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chlo Acetone Carbon Disulfi 1,1-Dichloroet 1,2-Dichloroet Chloroform 1,2-Dichloroet 2-Butanone 1,1,1-Trichlor -Carbon Tetrach -Bromodichlorom 1,2-Dichloropr cis-1,3-Dichlor -Trichloroether -Dibromochlorom 1,1,2-Trichlor -Benzene trans-1,3-Dichlor	e pride thene	cal)		$\begin{array}{c} 12\\ 12\\ 20\\ 12\\ 4\\ 12\\ 12\\ 12\\ 12\\ 12\\ 12\\ 12\\ 12\\ 12\\ 12$	ם מממע מממע ממממ מ מ מ מ מ מ מ מ מ מ מ מ	

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108-10-1-----4-Methyl-2-Pentanone

79-34-5-----1,1,2,2-Tetrachloroethane

127-18-4-----Tetrachloroethene

591-78-6----2-Hexanone

108-90-7-----Chlorobenzene

100-41-4----Ethylbenzene

100-42-5-----Styrene 1330-20-7-----Xylene (total)

108-88-3-----Toluene

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

BMSAM1RE Lab Name: NYTEST ENV INC Contract: 9521691 Lab Code: NYTEST Case No.: 24389 SAS No.: SDG No.: 24389 Matrix: (soil/water) SOIL Lab Sample ID: 2438901 Sample wt/vol: 5.0 (g/mL) G Lab File ID: P5939.D Level: (low/med) LOW Date Received: 07/12/95 & Moisture: not dec. 19 Date Analyzed: 07/13/95 GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0 Soil Extract Volume: _____(uL) Soil Aliquot Volume: ____(uL)

Number TICs found: 0

CONT.

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

17

				BMSAM2
Lab Name: NYTEST ENV	INC	Contract: 9521	.691	
Lab Code: NYTEST	Case No.: 24389	SAS No.:	SDG	No.: 24389
Matrix: (soil/water)	SOIL	Lab S	Sample ID:	2438902
Sample wt/vol:	5.0 (g/mL) G	Lab F	Tile ID:	P5935.D
Level: (low/med)	rom)	Date	Received:	07/12/95
Moisture: not dec.	23	Date	Analyzed:	07/13/95
GC Column:CAP	ID: 0.53 (mm)	Dilut	ion Facto	r: 1.0
Soil Extract Volume:	(uL)	Soil	Aliquot V	olume:(uL)
CAS NO.	COMPOUND	CONCENTRATI (ug/L or ug	ON UNITS: J/Kg) UG/K	G Q

74-87-3Chloromethane	13	U
74-83-9Bromomethane	13	U
75-01-4Vinyl Chloride	15	
75-00-3Chloroethane	13	Ū
75-09-2Methylene Chloride	8	J
67-64-1Acetone	13	ט
75-15-0Carbon Disulfide	13	ט
75-35-41,1-Dichloroethene	13	U
75-34-31,1-Dichloroethane	12	J
540-59-01,2-Dichloroethene (total)	20	
67-66-3Chloroform	13	U
107-06-21,2-Dichloroethane	13	U
78-93-32-Butanone	13	ប
71-55-61,1,1-Trichloroethane	13	U
56-23-5Carbon Tetrachloride	13	U
75-27-4Bromodichloromethane	13	บ
78-37-51,2-Dichloropropane	13	Ū
10061-01-5cis-1,3-Dichloropropene	13	Ū
79-01-6Trichloroethene	14	
124-48-1Dibromochloromethane	13	Ū
79-00-51,1,2-Trichloroethane	13	U
71-43-2Benzene	13	U
10061-02-6trans-1,3-Dichloropropene	13	U
75-25-2Bromoform	13	U
108-10-14-Methyl-2-Pentanone	13	U
591-78-62-Hexanone	13	U U
127-18-4Tetrachloroethene	13	U U
79-34-51,1,2,2-Tetrachloroethane	13	U U
108-88-3Toluene	13	Ū
108-90-7Chlorobenzene	13	U
100-41-4Ethylbenzene	13	U U
100-42-5Styrene	1 13	1 11
1330-20-7Xvlene (total)	10	т.
	10	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	BMSAM2
Lab Name: NYTEST ENV INC	Contract: 9521691
Lab Code: NYTEST Case No.: 24389	SAS No.: SDG No.: 24389
Matrix: (soil/water) SOIL	Lab Sample ID: 2438902
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: P5935.D
Level: (low/med) LOW	Date Received: 07/12/95
Moisture: not dec. 23	Date Analyzed: 07/13/95
GC Column:CAP ID: 0.53 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)
	CONCENTRATION UNITS:

Number TICs found: 2

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 3.	UNKNOWN SILOXANE UNKNOWN SILOXANE	17.659 21.878	12 22	J J
4 5 6				
7 8 9				
10 11 12 13.				
14 15 16				
17 18 19				
20 21 22 23				
24 25 26				
27 28 29				
30				

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	BMSAM3
Lab Name: NYTEST ENV INC	Contract: 9521691
Lab Code: NYTEST Case No.: 24389	SAS No.: SDG No.: 24389
Matrix: (soil/water) SOIL	Lab Sample ID: 2438903
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: P5936.D
Level: (low/med) LOW	Date Received: 07/12/95
* Moisture: not dec. 19	Date Analyzed: 07/13/95
GC Column: CAP ID: 0.53 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume(uL)
	CONCENTRATION UNITS.

CAS NO.

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COMPOUND

(ug/L or ug/Kg) UG/KG

Q

	74-87-3Chloromethane	12	U
	74-83-9Bromomethare	12	U
	75-01-4Vinyl Chloride	25	
	75-00-3Chloroethane	12	U
	75-09-2Methylene Chloride	6	J
	67-64-1Acetone	12	U
	75-15-0Carbon Disulfide	12	U
	75-35-41,1-Dichloroethene	12	U
	75-34-31,1-Dichloroethane	14	-
	540-59-01,2-Dichloroethene (total)	12	J
	67-66-3Chloroform	12	U
	107-06-21,2-Dichloroethane	12	U
	78-93-32-Butanone	12	U
	71-55-61,1,1,1-Trichloroethane	12	U
	56-23-5Carbon Tetrachloride	12	IJ
	75-27-4Bromodichloromethane	12	U
	78-87-51,2-Dichloropropane	12	U
	10061-01-5cis-1,3-Dichloropropene	12	U
	79-01-6Trichloroethene	19	
	124-48-1Dibromochloromethane	12	Ū
	79-00-51,1,2-Trichloroethane	12	Ŭ
	71-43-2Benzene	12	U
	10061-02-6trans-1,3-Dichloropropene	12	Ū
	75-25-2Bromoform	12	Ū
	108-10-14-Methyl-2-Pentanone	12	U
	591-78-62-Hexanone	12	Ū
	127-18-4Tetrachloroethene	12	IJ
	79-34-51,1,2,2-Tetrachloroethane	12	τī
	108-88-3Toluene	2	J
	108-90-7Chlorobenzene	12	II
	100-41-4Ethylbenzene	12	TI
	100-42-5Styrene	12	II
	1330-20-7Xvlene (total)	12	TT
		12	0
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EPA SAMPLE NO.

UOLATTLE ORGAN	1ICS	ANALYS	[S	DATA	SHEET
TENTATIVELY	IDEI	VTIFIED	CC	MPOUN	1DS

BMSAM3

Lab Name: NYTEST ENV IN	1C	Contract: 9	521691	
Lab Code: NYTEST Cas	se No.: 24389	SAS No.:	SDG 1	No.: 24389
Matrix: (soil/water) SC	DIL	La	b Sample ID:	2438903
Sample wt/vol:	5.0 (g/mL) G	La	b File ID:	P5936.D
Level: (low/med) LC	W	Da	te Received:	07/12/95
• Moisture: not dec. 19)	Da	te Analyzed:	07/13/95
GC Column: CAP II): 0.53 (mm)	Di	lution Facto	r: 1.0
Soil Ext ract Volume:	(uL)	So	il Aliquot Vo	olume:(uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	24.826	8	J
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24.				
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29 30				

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	VOLUTI 2.			I			
Lab Na	ame: NYTEST ENV	INC	Contract: 952	1691	BMS	SAM4	
100 10		Caro No · 24280	SAS No :	SUC	No	2220	
Lab Co	ode: NYTEST (Lase NO.: 24309		5715	140.: 2		
Matrix	k: (soil/water)	SOIL	Lab	Sample ID:	24389	904	
Sample	e wt/vol:	5.0 (g/mL) G	Lab	File ID:	P5937	7.D	
Level	: (low/med)	LOW	Date	Received:	07/12	2/95	
* Mois	sture: not dec.	26	Date	Analyzed:	07/13	8/95	
GC Col	Lumn: CAP	ID: 0.53 (mm)	Dilu	tion Facto	or: 1.0)	
Soil H	Extract Volume:	(uL)	Soil	Aliquot V	olume:		(uL)
	CAS NO.	COMPOUND	CONCENTRAT	ION UNITS: g/Kg) UG/K	G	Q	
explores contribution to the formula of the formula	74-87-37 75-01-47 75-09-27 75-09-27 67-64-177 75-15-0777 75-35-4-7777 75-34-3-77777 75-34-3-77777777777777777777777777777777	Chloromethane Vinyl Chloride Vinyl Chloride Chloroethane Methylene Chlo Acetone Carbon Disulfi 1,1-Dichloroet 1,2-Dichloroet 2-Butanone 1,2-Dichloroet 2-Butanone 1,1,1-Trichlor Carbon Tetrach Bromodichlorom 1,2-Dichloropt cis-1,3-Dichlor Cis-1,3-Dichloropt cis-1,3-Dichloropt cis-1,3-Dichloropt Lichloroether Dibromochlorom 1,1,2-Trichlor Bromoform 4-Methyl-2-Per 2-Hexanone Tetrachloroeth 1,1,2,2-Tetrace Toluene Chlorobenzene	e oride ide thene thene thene thane roethane noropropene nethane noethane nethane		$\begin{array}{c} 14\\ 14\\ 20\\ 14\\ 6\\ 14\\ 14\\ 14\\ 14\\ 14\\ 14\\ 14\\ 14\\ 14\\ 14$	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	100-41-4	Ethylbenzene Styrene Xylene (total))	_	14 14 14	U U U	

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Tob Name: NYTEST ENV	INC	Contract: 9521691	BMSAM4
Lab Mame. NITLET Ltt			
Lab Code: NYTEST	Case No.: 24389	SAS No.: SDG	No.: 24389
Matrix: (soil/water)	SOIL	Lab Sample ID	: 2438904
Sample wt/vol:	5.0 (g/mL) G	Lab File ID:	P5937.D
Level: (low/med)	LOW	Date Received:	: 07/12/95
* Moisture: not dec.	26	Date Analyzed:	07/13/95
GC Column: CAP	ID: 0.53 (mm)	Dilution Facto	pr: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot V	Volume:(uL)

Number TICs found: 0

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All Van o An Alles All An Alles All An Alles An Alles CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC.	Q
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1A VOLATILE ORGANICS ANALYSIS DATA

EPA SAMPLE NO.

Name: NYTEST ENV INC Contract: 9521691 NYTEST Case No.: 24389 SAS No.: SDG No.: 24389 Matrix: (soil/water) SOIL Lab Sample ID: 2438905 Sample wt/vol: 5.0 (g/mL) G Lab File ID: P5938.D Level: (low/med) LOW Date Received: 07/12/95 t Moisture: not dec. 18 Date Analyzed: 07/13/95 CC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0 Soil Extract Volume:	1. T								
NYTEST Case No.: 24389 SAS No.: SDE No.: 24389 Matrix: (soil/water) SOIL Lab Sample ID: 2438905 Sample vt/vol: 5.0 (g/mL) G Lab File ID: P5938.D Level: (low/med) LOW Date Received: 07/12/95 * Moisture: not dec. 18 Date Analyzed: 07/13/95 CC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 74-87-3Chloromethane 12 U T 74-87-3Chloromethane 12 U T 74-87-3Chloromethane 12 U T 75-01-4Vinyl-Chloride 5 J J 75-01-4	Na	me: NYTEST ENV	INC	Contract	: 9521691		BMS	SAM5	
Matrix: (soil/water) SOIL Lab Sample ID: 2438905 Sample wt/vol: 5.0 (g/mL) G Lab File ID: P5938.D Level: (low/med) LOW Date Received: 07/12/95 * Moisture: not dec. 18 Date Analyzed: 07/13/95 CC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0 Soil Extract Volume:(uL) Soil Aliquot Volume:(uL) Soil Aliquot Volume:(uL) Soil Extract Volume:(uL) Soil Aliquot Volume:(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 74-87-3Chloromethane12 U T 75-00-3Chloromethane12 U T 75-00-4VinD Disulfide12 U T 75-00-3Chloromethane12 U T 75-00-4VinD Disulfide12 U T 75-35-4Chloromethane12 U T 75-35-4Chloromethane		NYTEST	Case No.: 24389	SAS No.	:	SDG	No.: 2	24389	
Sample vt/vol: 5.0 (g/mL) G Lab File ID: P5938.D Level: (low/med) LOW Date Received: 07/12/95 t Moisture: not dec. 18 Date Analyzed: 07/12/95 t Moisture: not dec. 18 Date Analyzed: 07/13/95 GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 74-87-3Chloromethane 12 U 75-09-2Methylene Chloride 50 50 75-09-2Methylene Chloride 12 U 75-06-3Chloromethane 12 U 75-07-0Chloromethane 12 U 75-18-0	Matrix	: (soil/water)	SOIL		Lab Samp	le ID:	: 24389	905	
Level: (low/med) LOW Date Received: 07/12/95 * Moisture: not dec. 18 Date Analyzed: 07/13/95 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 74-87-3Chloromethane 12 U 75-00-3Chloromethane 12 U 75-00-3Chloroethane 12 U 75-00-3Chloroethane 12 U 75-15-0	Sample	wt/vol:	5.0 (g/mL) G		Lab File	ID:	P5938	B.D	-
Moisture: not dec. 18 Date Analyzed: 07/13/95 GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) Soil Aliquot Volume: (uL) Soil Aliquot Volume: (uL) CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q 74-87-3 Chloromethan 12 U 75-01-4 Vinyl Chloride 26 U 75-00-3 Chloromethan 12 U 75-01-4 No. COMPOUND (ug/L or ug/Kg) UG/KG Q 75-01-4 Vinyl Chloride 26 J J 75-01-4 Othylene Chloride 12 U J 75-36-4 1, 1-Dichloroethane 12 U J 76-66-3 Chloroform 12 U J 77-71	Level:	(low/med)	LOW		Date Rec	eived	07/12	2/95	
GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: (uL) CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 74-87-3Chloromethan 12 U 74-87-3Chloromethan 12 U 75-01-4	* Mois	ture: not dec.	18		Date Ana	lyzed	07/13	3/95	
Soil Extract Volume:	GC Col	umn:CAP	ID: 0.53 (mm)	,	Dilution	Facto	or: 1.0)	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Soil E	xtract Volume:	(uL)		Soil Ali	quot N	/olume:		_(uL)
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		CAS NO.	COMPOUND	CONCEN (ug/L	VTRATION or ug/Kg	UNITS:) UG/F	ζG	Q	
1330-20-7Xylene 12 U 12 U		74-87-3774-83-9775-01-4775-00-3775-09-2775-15-0775-35-4775-35-4775-35-4775-35-4775-35-4775-35775-27-12775-27-12775-27-12775-27-12775-27-12775-27-12775-25-2	Chloromethane Bromomethan Vinyl Chlorida Chloroethane Acetone Carbon Disulf: 1,1-Dichloroet 1,2-Dichloroet Chloroform 1,2-Dichloroet Chloroform 1,2-Dichloroet 2-Butanone 1,1,1-Trichlo: Carbon Tetract Bromodichloroet Cis-1,3-Dichloroet Dibromochloroet 1,1,2-Trichlo: Benzene trans-1,3-Dict Bromoform 4-Methyl-2-Per 2-Hexanone Tetrachloroett 1,1,2,2-Tetract Toluene Chlorobenzene Chlorobenzene	e oride ide thene thene thane thane roethane oropropene ne methane nloropropene ntanone hloroprope	cal)		$\begin{array}{c} 12 \\ 22 \\ 12 \\ 5 \\ 12 \\ 12 \\ 12 \\ 12 \\ $	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
		100 -41-4 100 -42-5 1330 -20-7	Ethylbenzene Styrene Xylene (total)			12 12 12 12	ט ט ט ט	

	1E TLE ORGANICS ANALY	YSIS DATA SHEET		EPA SAMPLE NO.
TEN	TATIVELY IDENTIFIE	ED COMPOUNDS Contract: 952169	1	BMSAM5
Lab Name: NYTEST EN	Case No.: 24389	SAS No.:	SDG	No.: 24389
Matrix: (soil/water)	SOIL	Lab Sam	ple ID:	2438905
Sample wt/vol:	5.0 (g/mL) G	Lab File	e ID:	P5938.D

Same (low/med) LOW Level: Moisture: not dec. 18 **GC Column:CAP** ID: 0.53 (mm)

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Soil Extract Volume: _____(uL)

Number TICs found: 0

Date Analyzed: 07/13/95

Date Received: 07/12/95

Dilution Factor: 1.0

Soil Aliquot Volume: ____(uL)

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

RTCOMPOUND NAME EST. CONC. 0 CAS NUMBER 1 2 7.22.4. B BARNING 9. Carlos and a second 12 Martin Martin K States of the Martin and L. S. S. S. S. S. S. S. Statistics LIVA STREET 1:1 Million Arras 21 3 3 3 3 3 3 3 3 3 3 3 27. 28 29 30

NE i	nyte)St 16) 62:	6-5500	FAX: (5	SERVICES FC 516) 625	DR A SAFE ENVIRONMENT DENTAL 5-1274	C	hai	in of	Cı	isto	ody	Re	cord	page#:	of
Client Name Address Project Manager	BAN BU	Dola Dola Ha	iwane A No, W.Y	STS	52	Anal	ysis	Rec	uest	ed		Login #: Ship to: Nytest Environmer 60 Seaview Blvd Port Washington N Attn.: Sample Cont	ntal Inc. .Y. 11050 trol			
Phone Project Name Project Number P.O. # Analytical Protocol Sampled By	FIG-G Berr 388 TCL JERR	973 605 573.3 73.3	s866 on Our 000 othes ller	- FAX	rerables	<u>Le. 10-3884</u> 	Vo. of Containe	Tel Ubla 7	Bin #	's In/G	Dut (Fo	Lab U	se Only)		Date Shipped: Carrier: Air Bill #: Cooler #: C of C #: SDG #:	<u>7 11/15</u>
Lab ID (Lab Use Only)	Sample (Maximur Charact	ÌD n of 6 ers)	Date Sampled	Time Sampled		Sample Location									NEI QT #: Comi	nents
<u>6</u> 8	MSAM	M	2 7/11/45	1135	NG.	Falls attallall		1			30-31 				Soil SAM	plo 11
E B	MSA	. m.	47/11/45 57/11/45	1145	11	1, 11		1							11	1'
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Relinquished by: Print Name:	Date / Time Received by: Print Name:			Date / Time			Sample Rec'd in Good Condition? : Y N Sample Temperature: Degrees Celcius				N Celcius					
Relinquished by: Date Time Received by Labora Print Name: Print Name:			Received by Laboratory : Print Name:	Date / Time INSPECTED BY:												
Special Instruction	IS :						K.			` .						

CLIENT RETAINS YELLOW COPY ONLY