PROGRESS REPORT

Site Name: Rowe Industries
Ground-Water Contamination Site

Prepared By: Robert Lamonica, CPG
Leggette, Brashears & Graham, Inc.

Representing: Nabisco, Inc.

Date: January 13, 1998

Reporting Period: December 1997

a. Actions Taken During Reporting Period

- Completed monitoring for Greenbelt Pond system and Sag Harbor Cove and Ligonee Creek study.

Drilling Progress Made This Reporting Period

- Handex mobilized a Cantera hollow-stem auger drilling rig to the Sag Harbor property and prepared to initiate the onsite drilling of soil-vapor extraction (SVE) and vapor monitoring (VP) wells on December 4, 1997.

- Between December 4 and 10, 1997, Handex drilled and installed seven SVE wells and six VP wells. All wells were completed in accordance with the Soil Design report and included appropriate well screen, riser, graded gravel pack, bentonite seals and grout cement. After installing each SVE well, the well was sealed with a cap and temporarily buried with cuttings prior to performing the trenching activities. The following summary presents SVE and VP well completion details including approximate well elevation and screen elevations.

SVE/VP #	Approximate Grade Surface Elevation	Approximate Screen Setting Elevation
SVE 1	27.0	12.0 - 22.0
SVE 2	27.5	11.5 - 21.5
SVE 3	26.5	12.0 - 22.0
SVE 4	27.0	13.0 - 23.0
SVE 5	27.5	13.0 - 23.0
SVE 9	29.5	15.0 - 25.0
SVE 12	31.0	15.0 - 25.0
VP 6	27.5	11.5 - 21.5
VP 7	27.0	14.0 - 24.0
VP 8	26.0	13.0 - 23.0
VP 9	26.0	13.0 - 23.0
VP 10	27.0	14.0 - 24.0
VP 11	28.0	15.0 - 25.0

- During drilling of onsite SVE and VP wells, a total of 19 drums of soil was contained onsite in 17-H 55-gallon drums. Based on headspace screening during drilling, soil in six of the drums exhibited photoionization detector (PID) readings at levels above the Soil Design Work Plan action level of 10 ppm (parts per million) PID equivalent. The drums containing soil that displayed PID readings above the action level were appropriately marked and staged separately from the remaining soil drums. Waste disposal will be based on the results of supplemental waste classification sampling (See Section d).

Mobilization Progress Made This Reporting Period

- An outdoor frame construction was installed using 4-inch by 4-inch treated lumber and Kindorf supports on December 3, 1997. The frame construction was installed to house the panel boards and electrical transformer for the Soil Treatment Shed. The frame construction was located at the rear (eastern) side of the Sag Harbor Industries (SHI) building based on the proposed location of the treatment shed.

- The contractor and LBG site trailers were mobilized to the site, set in location and leveled on December 9 and 10, 1997, respectively. The locations of the staged trailers were verified and approved by Ms. Mary Shearer of SHI. Copies of the trailer sign-in sheets and approvals of the siting are maintained in the construction books housed at the site.

- Between December 4 and 10, 1997, the 208Y/120 electrical service was pulled from the switch gear located in the front of the SHI property, through 2-inch steel conduit to the panel board attached to the eastern exterior wall of the SHI building. Based on final contractor trailer positioning, the electrical service was connected from the panel board on the SHI building to the contractor trailer via an overhead connection using flexible conduit on December 15, 1997.

- Between December 4 and 10, 1997, the 480 volt/600 amp electrical service was pulled from the Junction Box located on the roof of the SHI building through the remaining 2-inch steel conduit to the last LB-box (Appleton Unilet Conduit) located 6 feet off of the roof in the vicinity of the LBG site trailer and proposed treatment shed. Additional three-phase wire was coiled and temporarily staged on the roof for final wiring.

- Two panel boards, including Siemens Energy and Automotive Panel Board S1 (208Y/120) and S2 (480V/600A), were attached to the outdoor frame construction and approximately 10 feet of 2-inch diameter steel conduit was installed from the last LB-box on the roof of the building to panel board S2 on December 22, 1997.

- Telephone service was pulled from Long Island Lighting Company (LILCO) telephone pole # 126 through the 1½-inch diameter PVC conduit to the telephone backboard and cabinet on December 22, 1997. The telephone backboard and

cabinet were attached with Kindorf to the eastern exterior wall of the SHI building immediately adjacent to the LBG field trailer.

- The Olson dry-type electrical transformer (primary 480V, 3-phase, secondary 208Y/120) was installed and attached to the outdoor frame construction and approximately 10 feet of 2-inch diameter steel conduit was installed from the S1 panel board to the LBG trailer below grade on December 23, 1997.

- The two panel boards (S1 and S2) and the electrical transformer were wired and the electrical wire was pulled and connected to the LBG trailer on December 24, 1997.

SVE Trenching Progress Made This Reporting Period

- The asphalt pavement between each of the seven SVE wells and the proposed location of the soil treatment shed were saw-cut on December 15, 1997. The saw-cutting was completed using an asphalt saw equipped with a carbide blade and the cutting was completed to facilitate trenching activities.

- The asphalt material along each of the trench extensions was removed from the pavement and staged in the asphalt storage area shown on Plate S-5 on December 16, 1997.

- Between December 17 and 19, 1997, approximately 188 linear feet of trenching was completed using a backhoe excavator to accommodate SVE Manifolds D and E and the portion of the soil impoundment plumbing. Five SVE wells, including SVE-1, -2, -3, -4 and -5 were equipped with 4-inch diameter gate valves and all of the plumbing associated with each manifold was installed and connected in the trenched areas. The length of plumbing for the soil impoundment structure was installed in the trench and capped at both ends for future connection. After the in-ground components of the system had been installed in the trench, the trenches were backfilled in lifts and compacted according to the backfill specifications in the Soil Design Report.

- Between December 22 and 23, 1997, approximately 82 linear feet of trenching was completed using a backhoe excavator to accommodate SVE Manifolds A, B and C, and the proposed 2-inch diameter sparge manifold. Two SVE wells, including SVE-9 and SVE-12 were equipped with 4-inch diameter gate valves and all of the plumbing associated with each manifold was installed and connected in the trenched areas. Manifolds A and B, and the length of plumbing for the sparge system were installed in the trench and capped at both ends for future connection. After the in-ground components of the system had been installed in the trench, the trenches were backfilled in lifts and compacted according to the backfill specifications in the Soil Design Report.

- Approximately 8 cubic yards of soil, excavated during the trenching of SVE pipe runs between SVE-12 and 14 feet north of SVE-9, exhibited PID field headspace

screening readings ranging between 11.9 and 34.4 ppm isobutylene equivalents. Based on headspace screening during the trenching, the soil displayed PID readings at levels above the Soil Design Work Plan action level of 10 ppm PID equivalent. The soil was temporarily staged on plastic and covered on December 22, 1997 and then transferred and placed in an onsite 12-cubic yard rolloff on December 23, 1997. Waste disposal of the soil staged in the rolloff will be based on the results of supplemental waste classification sampling (See Section d).

b. Data Summary

- Handex Submittal Nos. 012 and 013 have been received and reviewed by LBG. Submittal 012 is considered incomplete and requires that Waste Profile information be submitted to Chemical Waste Management. Submittal 013 identifying Bisco Environmental as the soil treatment construction vendor was approved. A copy of the approved submittal page is included in Attachment I.

- Waste classification testing results from the onsite dry wells collected by Handex during November 1997 was received and reviewed. The sample of the solid material from the dry well did not exhibit ignitable, corrosive, reactive or toxic characteristics. A copy of the waste classification sampling results is presented in Attachment II.

- Sample results from the eight samples collected of the backfill material from the Bistrian Gravel Corporation facility collected by Handex during November 1997 was received and reviewed. The samples of the backfill did not exhibit detectable concentrations of target compound list (TCL) volatile and inorganic substances present in the material were within normal published ranges and did not exceed the NYSDEC TAGM soil clean-up levels. Copies of the form I testing results from the backfill sampling are included in Attachment III.

- Drilling logs from the drilling of SVE and VP are currently being prepared by the contractor, Handex, and will be provided upon receipt. PID screening of the split-spoon samples by LBG was performed in the field and the screening results are summarized for each well location on the table presented in Attachment IV.

c. Submittal Delivery

- Submitted project status report early December.

d. Anticipated Actions During the Next Six Weeks

- Install flush-mounted gate boxes and concrete seals around SVE and VP wells and gate valve enclosures.

- Complete waste classification sampling of the staged drums from the drilling program and the soil in the rolloff from the trenching activities.

- Form and pour concrete pad for the air emissions treatment equipment (Granular Activated Carbon Cells).

- Schedule drywell remediation pending receipt of the septic system upgrade permit from the Town of Sag Harbor.

- Review and approve Soil Treatment Shed (Mechanical and Electrical) Submittals. Upon final approval of the treatment submittals, Bisco Environmental (Bisco) will order/construct and assemble the treatment shed at their Dedham, Massachusetts facility. Based on information regarding scheduling provided by Handex to LBG, the assembly of the treatment shed will require between six and eight weeks to complete. LBG anticipates coordinating weekly visits to the vendor to inspect construction progress prior to having the treatment shed delivered to the Sag Harbor site. Anticipated delivery of the completed shed is scheduled for March.

- Continue to develop plans and specifications for 100% Ground-Water Design Report.

- Perform additional onsite soil-vapor sampling.

- Meet with EPA personnel and EPA oversight contractor early to discuss 30% Ground-Water Design Report.

e. **Percentage of Work Completed and Anticipated Delays**

- 30% Ground-Water Design Report is 100-percent complete; waiting for meeting to discuss comments.

- During drilling activities, an additional vapor monitoring point, VP-5 was attempted at the location shown on Plate S-5. However, this monitor point could not be completed with the conventional onsite drilling equipment due to subsurface conditions. The location of this point, near the northeast corner of the proposed GAC concrete slab and immediately adjacent to the SHI building, is in close proximity to drywells installed at the property to accommodate roof runoff. As a result of the subsurface drywells, the ground surface in this area is unstable and will not support the weight of a conventional truck-mounted drilling rig. To complete this and other inaccessible wells/monitoring points, a more versatile allterrain vehicle (ATV) or other suitable drilling rig will be mobilized to the site.

- Electrical service deposits of $25,000 for the 480, three-phase service and $ 1,340.36 for the 208Y/120 service were requested by LILCO in letters dated December 11, 1997 and November 6, 1997, respectively. LBG and Handex are currently in the process of providing the electrical service deposits to LILCO to expedite electrical service connections.

- Trenching in the rear of the SHI building (eastern side) to accommodate the installation of SVE plumbing encountered several utilities and/or building foundations. Two separate 4-inch diameter Orangeburg pipes were encountered during the trenching activities. In both instances, the pipes were extending in an east-west direction and the pipes were encountered on the east side of the storage garage and approximately 4 feet to the north of SVE-9. Neither pipe contained any residual material and PID headspace screening of the pipe and soils adjacent to the pipe did not display elevated readings. In addition, large concrete footings were encountered during the trenching of Manifolds A, B and C. Due to the large size of the footing, the trench and piping were extended beneath the obstruction rather than removing the concrete from the ground.

- Drywell remediation is tentatively scheduled for January. However, SHI has not installed the replacement septic system and remediation of Drywell F will need to be coordinated with SHI. The Town of Sag Harbor is evaluating the permit to install the new system.

- Access to offsite soils requiring excavation has not been granted. Currently, U.S. EPA has requested access from the two private residences, however acceptance of the EPA access request is not anticipated. If access is not granted, the U.S. EPA has indicated that they will order the parties to provide access. Resolution of the access agreement is being handled by the Agency.

mb
January 13, 1998
S:\TECH\JOBFILES\L\LBGRL\NABSAG\PROGRESS\1998\PROGJAN.98

APPENDIX I

ATTACHMENT I

SUBMITTAL SHEET

TO: Mr. W. Thomas West
Leggette, Brashears & Graham
126 Monroe Turnpike
Trumbull, CT 06611

FROM: Handex of New York
61C Carolyn Blvd.
Farmingdale, New York 11735

DATE: 12/18/97

RE: Submittal # 13
Submittal Item: Equipment Vendor
Rowe Industries Superfund Site

Contractor's Stamp

Certification Statement: by this submittal, I hereby represent that I have determined and verified all field measurements, field construction criteria, materials, dimensions, catalog numbers and similar data and I have checked and coordinated each item with other applicable approved shop drawings and all Contract requirements.

Specification Section Division 15 Page No. 15 110-15 995

Contractor's Signature Anthony Fiorentino

Company Handex of New York

Engineer's Stamp

THIS SUBMITTAL WAS REVIEWED WITH REGARD TO [illegible] REQUIREMENTS IN THE PROJECT SPECIFICATIONS [illegible] AND BASED ON THE REVIEW:

X APPROVED FOR USE - payment not Approved

RETURNED - FOR THE FOLLOWING REASON: _____

REVIEWED BY: W Thomas DATE 12/19/97

Handex®

ATTACHMENT II

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

NEI nytest environmental inc

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

Chain of Custody Record

Client Name: Hardy
Address: 61C Carolyn Blvd, Farmingdale NY 11735
Project Manager: T. Fiorentino
Phone: 752-7070 FAX: 752-7090
Project Name: LB6 - Rowe Industries
Project Number:
P.O. #:
Analytical Protocol: Waste Class Deliverables:
Sampled By: C. Karp / T. Ang

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	Full TCLP Waste Class Parameters	Ignitability	Corrosivity	Reactivity
	DRYWEL	11/11/97	3:00pm	SOLID	2	✓	✓	✓	✓

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

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

Comments

Relinquished by	Date / Time	Received by	Date / Time
Carl Karp (Print Name: Carl Karp)	11/12/97 2:45 PM	SBamonte (Print Name: SBamonte)	11/13 1000
Relinquished by: Print Name:		Received by: Print Name:	
SBamonte (Print Name: SBamonte)	11/13 1030	Received by Laboratory: R. [illegible] (Print Name: R. [illegible])	11/13/97 1030

Lab Use Only

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

Special Instructions: STANDARD DELIVERABLES PACKAGE
FAX results in 14 DAYS.

CLIENT RETAINS YELLOW COPY ONLY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRYWEL

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) WATER Lab Sample ID: 3291011

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P0570.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. _____ Date Analyzed: 11/26/97

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L	Q
75-01-4	Vinyl Chloride	0.01	U
75-35-4	1,1-Dichloroethene	0.01	U
67-66-3	Chloroform	0.01	U
107-06-2	1,2-Dichloroethane	0.01	U
78-93-3	2-Butanone	0.01	U
56-23-5	Carbon Tetrachloride	0.01	U
79-01-6	Trichloroethene	0.01	U
71-43-2	Benzene	0.01	U
127-18-4	Tetrachloroethene	0.01	U
108-90-7	Chlorobenzene	0.01	U

LD

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DRYWEL

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) WATER Lab Sample ID: 3291011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q0098.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 0 dec. Date Extracted: 11/20/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/26/97

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L	Q
95-48-7	2-Methylphenol	0.01	U
	3+4-Methylphenol	0.02	U
121-14-2	2,4-Dinitrotoluene	0.01	U
118-74-1	Hexachlorobenzene	0.01	U
87-68-3	Hexachlorobutadiene	0.01	U
67-72-1	Hexachloroethane	0.01	U
98-95-3	Nitrobenzene	0.01	U
87-86-5	Pentachlorophenol	0.05	U
110-86-1	Pyridine	0.01	U
95-95-4	2,4,5-Trichlorophenol	0.01	U
88-06-2	2,4,6-Trichlorophenol	0.01	U
106-46-7	1,4-Dichlorobenzene	0.03	

TCLP HERB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCLP HERBICIDES ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX	: WATER	SAMPLE ID	: DRYWEL
CONC. LEVEL	: LOW	LAB SAMPLE ID	: 3291011
EXTRACTION DATE	: 11/20/97	DIL FACTOR	: 1.00
ANALYSIS DATE	: 11/26/97	% MOISTURE	: NA

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

TCLP PEST - FORM 1
NYTEST ENVIRONMENTAL INC.

TCLP PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX :	WATER	SAMPLE ID :	DRYWEL
CONC. LEVEL :	LOW	LAB SAMPLE ID :	329101
EXTRACTION DATE :	11/20/97	DIL FACTOR :	1.00
ANALYSIS DATE :	11/27/97	INITIAL VOLUME (ML) :	920

CMPD #	CAS Number	TCLP PESTICIDE COMPOUNDS	MG/L	
1	57-74-9	Chlordane	0.0033	U
2	70-20-8	Endrin	0.00065	U
3	76-44-8	Heptachlor	0.00033	U
4	1024-57-3	Heptachlor Epoxide	0.00033	U
5	58-89-9	gamma-BHC (Lindane)	0.00033	U
6	72-43-5	Methoxychlor	0.0033	U
7	8001-35-2	Toxaphene	0.033	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DRYWEL

Lab Name: NYTEST_ENV_INC Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix (soil/water): WATER Lab Sample ID: T291011

Level (low/med): LOW Date Received: 11/13/97

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	1.2		N	P
7440-43-9	Cadmium	0.0078		*	P
7440-47-3	Chromium	0.030			P
7439-92-1	Lead	0.094			P
7439-97-6	Mercury	0.00013	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.067			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

NEI Report of Analysis

General Chemistry

Client Name: Handex Of New York
Client ID: DRYWEL
Lab ID: 32910-11

Date Collected: 11/12/97
Date Received: 11/13/97
Matrix: Soil
Concentration is: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	11/14/97	11/14/97	ML
Ignitability		Degrees F	> 212		1.00	11/17/97	11/17/97	ML
pH	1.00	NA	5.92		1.00	11/14/97	11/14/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	11/17/97	11/17/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	11/17/97	11/17/97	ML

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

ATTACHMENT III

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
NEI nytest environmental
(516) 625-5500 FAX (516) 625-1274

Chain of Custody Record

[RECEIVED 12/04 15:27 1997 AT 567277
12-04-1997 12:32PM FROM NEI CLIENT SERVICES 5166253128
PAGE 2 (PRINTED PAGE 2)]

Client Name: Haley
Address: 611 Carolyn Blvd
FARMINGDALE NY 11735

Project Manager: T. Fiorentino
Phone: 752-7878 FAX: 752-7890
Project Name: LPC - Rowe Industrial
Project Number:
P.O. #:
Analytical Protocol: Deliverables:
Sampled By: C. Karp / T. Hig

Analysis Requested: SW 846 - 5030 TCL-VOA; SW 846 - 6010 TAL-METALS; TCL-VOA 8240

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

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	SW 846 - 5030 TCL-VOA	SW 846 - 6010 TAL-METALS	TCL-VOA 8240
	B K 1		1:08	BK-1 - SOIL		1	1	
	B K 2		1:20	BK-2 SOIL		1	1	
	B K 3		1:25	BK-3 SOIL		1	1	
	B K 4		1:30	BK-4 SOIL		1	1	
	B K 5		1:35	BK-5 SOIL		1	1	
	B K 6		1:40	BK-6 SOIL		1	1	
	B K 7		1:45	BK-7 SOIL		1	1	
	B K 8		1:15	BK-8 SOIL		1	1	
	F B B K			WATER				2
	M S			MS - SOIL		✓	✓	
	MSD			MSDS - SOIL		✓		

(1 bottle for each MS/MSD) MS/MSD SAMPLE BK7

Relinquished by: Carl Karp
Print Name: CARL KARP
Date / Time: 11/12/ 2:10 pm
Received by: S Bamonte
Print Name: S. Bamonte
Date / Time: 11/13 1000

Relinquished by:
Print Name:
Date / Time:
Received by:
Print Name:
Date / Time:

Relinquished by: S Bamonte
Print Name: S Bamonte
Date / Time: 11/13 1030
Received by Laboratory: P. Hamid
Print Name: P. Hamid
Date / Time: 11/13/97 10:30

Ship to:
Nytest Environmental Inc
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control

Login #:
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Comments

Lab Use Only 86 11/13
Custody Seals: (Intact) Broken Absent
Sample Rec'd In Good Condition?: (Y) N
Sample Temperature: ____ Degrees Celsius
INSPECTED BY:
COMMENTS:

Special Instructions: ASP - Category "B" Deliverables, FAX in 14 Days
ATTATCH copies FROM spec.

CLIENT RETAINS YELLOW COPY ONLY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BK1

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9783.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 6 Data Analyzed: 11/20/97

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	B
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U
108-05-4	Vinyl Acetate	11	U

1E

EPA SAMPLE NO.

BK1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9783.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 6 Data Analyzed: 11/20/97

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

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

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	25.390	14	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BK1

Lab Name: NYTEST_ENV_INC Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix (soil/water): SOIL Lab Sample ID: 291001

Level (low/med): LOW Date Received: 11/13/97

% Solids: 94.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	721		*	P
7440-36-0	Antimony	0.69	B		P
7440-38-2	Arsenic	1.1			P
7440-39-3	Barium	3.3	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	83.4	B		P
7440-47-3	Chromium	2.1			P
7440-48-4	Cobalt	0.40	B		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	2010			P
7439-92-1	Lead	0.96			P
7439-95-4	Magnesium	137	B		P
7439-96-5	Manganese	18.7			P
7439-97-6	Mercury	0.02	U		CV
7440-02-0	Nickel	0.66	B		P
7440-09-7	Potassium	66.8	B		P
7782-49-2	Selenium	0.23	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	36.2	U		P
7440-28-0	Thallium	0.26	U		P
7440-62-2	Vanadium	2.6	B		P
7440-66-6	Zinc	2.1			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BK2

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291002

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9784.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 6 Data Analyzed: 11/20/97

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	4	JB
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U
108-05-4	Vinyl Acetate	11	U

LE

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BK2

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291002

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9784.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 6 Data Analyzed: 11/20/97

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	25.380	7	J
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
BK2

Lab Name: NYTEST_ENV_INC Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix (soil/water): SOIL Lab Sample ID: 291002

Level (low/med): LOW Date Received: 11/13/97

% Solids: 94.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	831		*	P
7440-36-0	Antimony	0.46	B		P
7440-38-2	Arsenic	0.97	B		P
7440-39-3	Barium	3.9	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	146	B		P
7440-47-3	Chromium	2.0			P
7440-48-4	Cobalt	0.70	B		P
7440-50-8	Copper	2.2	B		P
7439-89-6	Iron	2430			P
7439-92-1	Lead	1.2			P
7439-95-4	Magnesium	342	B		P
7439-96-5	Manganese	29.4			P
7439-97-6	Mercury	0.03	B		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	62.9	B		P
7782-49-2	Selenium	0.24	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	36.8	U		P
7440-28-0	Thallium	0.27	U		P
7440-62-2	Vanadium	3.8	B		P
7440-66-6	Zinc	2.9			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BK3

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9785.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 5 Data Analyzed: 11/20/97

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BK3

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: MS785.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 5 Data Analyzed: 11/20/97

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	25.390	10	J
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3.					
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BK3

Lab Name: NYTEST_ENV_INC Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: _____ SDG No.: 32910

Matrix (soil/water): SOIL Lab Sample ID: 291003

Level (low/med): LOW Date Received: 11/13/97

% Solids: 94.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	590		*	P
7440-36-0	Antimony	0.29	U		P
7440-38-2	Arsenic	0.79	B		P
7440-39-3	Barium	3.2	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	53.6	B		P
7440-47-3	Chromium	1.1			P
7440-48-4	Cobalt	0.35	B		P
7440-50-8	Copper	1.3	B		P
7439-89-6	Iron	1650			P
7439-92-1	Lead	0.81			P
7439-95-4	Magnesium	106	B		P
7439-96-5	Manganese	20.6			P
7439-97-6	Mercury	0.02	B		CV
7440-02-0	Nickel	0.58	B		P
7440-09-7	Potassium	49.4	B		P
7782-49-2	Selenium	0.22	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	34.3	U		P
7440-28-0	Thallium	0.25	U		P
7440-62-2	Vanadium	1.8	B		P
7440-66-6	Zinc	1.5	B		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BK4

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291004

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9786.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 7 Data Analyzed: 11/20/97

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	4	JB
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U
108-05-4	Vinyl Acetate	11	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BK4

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291004

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9786.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 7 Data Analyzed: 11/20/97

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	25.370	12	J
2.					
3.					
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INORGANIC ANALYSES DATA SHEET

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EPA SAMPLE NO.

BK4

Lab Name: NYTEST_ENV_INC Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix (soil/water): SOIL Lab Sample ID: 291004

Level (low/med): LOW Date Received: 11/13/97

% Solids: 93.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	792		*	P
7440-36-0	Antimony	0.31	U		P
7440-38-2	Arsenic	1.0			P
7440-39-3	Barium	5.6	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	73.1	B		P
7440-47-3	Chromium	1.9			P
7440-48-4	Cobalt	0.56	B		P
7440-50-8	Copper	2.1	B		P
7439-89-6	Iron	2190			P
7439-92-1	Lead	1.6			P
7439-95-4	Magnesium	168	B		P
7439-96-5	Manganese	30.4			P
7439-97-6	Mercury	0.02	U		CV
7440-02-0	Nickel	0.85	B		P
7440-09-7	Potassium	74.4	B		P
7782-49-2	Selenium	0.24	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	37.2	U		P
7440-28-0	Thallium	0.27	U		P
7440-62-2	Vanadium	2.6	B		P
7440-66-6	Zinc	2.4			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BK5

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291005

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9787.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 5 Data Analyzed: 11/20/97

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BK5

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291005

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9787.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 5 Data Analyzed: 11/20/97

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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7.					
8.					
9.					
10.					
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BK5

Lab Name: NYTEST_ENV_INC Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix (soil/water): SOIL Lab Sample ID: 291005

Level (low/med): LOW Date Received: 11/13/97

% Solids: 94.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	584		*	P
7440-36-0	Antimony	0.31	U		P
7440-38-2	Arsenic	1.3			P
7440-39-3	Barium	2.9	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	78.5	B		P
7440-47-3	Chromium	1.2			P
7440-48-4	Cobalt	0.36	B		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	1630			P
7439-92-1	Lead	1.3			P
7439-95-4	Magnesium	118	B		P
7439-96-5	Manganese	15.3			P
7439-97-6	Mercury	0.02	B		CV
7440-02-0	Nickel	0.75	B		P
7440-09-7	Potassium	53.5	B		P
7782-49-2	Selenium	0.24	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	37.0	U		P
7440-28-0	Thallium	0.27	U		P
7440-62-2	Vanadium	1.9	B		P
7440-66-6	Zinc	1.7	B		P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BK6

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9788.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 5 Data Analyzed: 11/20/97

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: BK6

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9788.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 5 Data Analyzed: 11/20/97

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	25.370	22	J
2.					
3.					
4.					
5.					
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BK6

Lab Name: NYTEST_ENV_INC Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix (soil/water): SOIL Lab Sample ID: 291006

Level (low/med): LOW Date Received: 11/13/97

% Solids: 94.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	556		*	P
7440-36-0	Antimony	0.52	B		P
7440-38-2	Arsenic	0.71	B		P
7440-39-3	Barium	3.2	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	64.5	B		P
7440-47-3	Chromium	1.4			P
7440-48-4	Cobalt	0.46	B		P
7440-50-8	Copper	2.1	B		P
7439-89-6	Iron	1600			P
7439-92-1	Lead	0.84			P
7439-95-4	Magnesium	127	B		P
7439-96-5	Manganese	18.1			P
7439-97-6	Mercury	0.03	B		CV
7440-02-0	Nickel	0.90	B		P
7440-09-7	Potassium	61.3	B		P
7782-49-2	Selenium	0.24	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	48.2	B		P
7440-28-0	Thallium	0.37	B		P
7440-62-2	Vanadium	1.8	B		P
7440-66-6	Zinc	1.9	B		P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BK7

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291007

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9789.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 5 Data Analyzed: 11/20/97

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BK7

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291007

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9789.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 5 Data Analyzed: 11/20/97

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	25.380	26	J
2.					
3.					
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
BK7

Lab Name: NYTEST_ENV_INC Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: _____ SDG No.: 32910

Matrix (soil/water): SOIL Lab Sample ID: 291007

Level (low/med): LOW Date Received: 11/13/97

% Solids: 95.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	588		*	P
7440-36-0	Antimony	0.30	U		P
7440-38-2	Arsenic	1.3			P
7440-39-3	Barium	3.8	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	69.5	B		P
7440-47-3	Chromium	1.4			P
7440-48-4	Cobalt	0.42	B		P
7440-50-8	Copper	1.5	B		P
7439-89-6	Iron	2000			P
7439-92-1	Lead	1.1			P
7439-95-4	Magnesium	156	B		P
7439-96-5	Manganese	19.9			P
7439-97-6	Mercury	0.03	B		CV
7440-02-0	Nickel	0.71	B		P
7440-09-7	Potassium	57.1	B		P
7782-49-2	Selenium	0.23	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	35.7	U		P
7440-28-0	Thallium	0.26	U		P
7440-62-2	Vanadium	2.7	B		P
7440-66-6	Zinc	2.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BK8

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291010

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9792.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 6 Data Analyzed: 11/20/97

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	JB
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U
108-05-4	Vinyl Acetate	11	U

1E

EPA SAMPLE NO.

BK8

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) SOIL Lab Sample ID: 3291010

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M9792.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. 6 Data Analyzed: 11/20/97

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	25.380	23	J
2.					
3.					
4.					
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BK8

Lab Name: NYTEST_ENV_INC Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix (soil/water): SOIL Lab Sample ID: 291010

Level (low/med): LOW Date Received: 11/13/97

% Solids: 94.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	596		*	P
7440-36-0	Antimony	0.30	U		P
7440-38-2	Arsenic	0.72	B		P
7440-39-3	Barium	2.7	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	41.7	B		P
7440-47-3	Chromium	1.6			P
7440-48-4	Cobalt	0.24	B		P
7440-50-8	Copper	1.9	B		P
7439-89-6	Iron	1670			P
7439-92-1	Lead	0.75			P
7439-95-4	Magnesium	129	B		P
7439-96-5	Manganese	14.6			P
7439-97-6	Mercury	0.02	U		CV
7440-02-0	Nickel	0.75	B		P
7440-09-7	Potassium	53.5	B		P
7782-49-2	Selenium	0.23	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	36.2	U		P
7440-28-0	Thallium	0.26	U		P
7440-62-2	Vanadium	1.8	B		P
7440-66-6	Zinc	1.6	B		P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

LA

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FBBK

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) WATER Lab Sample ID: 3291012

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N7192.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. _____ Data Analyzed: 11/21/97

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FBBK

Lab Name: NYTEST ENV INC. Contract: 9723558

Lab Code: NYTEST Case No.: 32910 SAS No.: SDG No.: 32910

Matrix: (soil/water) WATER Lab Sample ID: 3291012

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: N7192.D

Level: (low/med) LOW Date Received: 11/13/97

% Moisture: not dec. _____ Data Analyzed: 11/21/97

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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ATTACHMENT IV

Rowe Industries Site
Sag Harbor, New York
PID Measurements

VAPOR MONITORING WELLS

VP-6		VP-9	
2-4	0.8	0.5-2.5	14
4-6	1.5	2.5-4.5	2.2
6-8	1.7	4.5-6.5	3.1
8-10	1.4	6.5-8.5	8.2
10-12	0.5	8.5-10.5	0.9
12-14	0	10.5-12.5	5

VP-7		VP-10	
0.5-2.5	0	0.5-2.5	0
2.5-4.5	0	2.5-4.5	6.2
4.5-6.5	0	4.5-6.5	0
6.5-8.5	0	6.5-8.5	0.5
8.5-10.5	0	8.5-10.5	0
10.5-12.5	0	10.5-12.5	0.4

VP-8		VP-11	
0.5-2.5	0	0.5-2.5	63.8
2.5-4.5	0	2.5-4.5	32.4
4.5-6.5	0	4.5-6.5	6.7
6.5-8.5	0	6.5-8.5	7.3
8.5-10.5	0	8.5-10.5	1.9
10.5-12.5	0	10.5-12.5	55.4

Rowe Industries Site
Sag Harbor, New York
PID Meausrements

SVE WELLS

SVE-1

3-5	1.1
5-7	1.1
7-9	0
9-11	0
11-13	1
13-15	0

SVE-2

0.5-2.5	0
2.5-4.5	6.2
4.5-6.5	1.2
6.5-8.5	1.1
8.5-10.5	0.4
10.5-12.5	2
12.5-14.5	1.4
14.5-16.5	2.4

SVE-3

0.5-2.5	1.1
2.5-4.5	2.1
4.5-6.5	1.1
6.5-8.5	5.7
8.5-10.5	1.1
10.5-12.5	No Rec
12.5-14.5	0

SVE-4

2-4	2.2
4-6	3.4
6-8	1.1
8-10	2.2
10-12	2.2
12-14	8

SVE-5

0.5-2.5	3.7
2.5-4.5	33.8
4.5-6.5	7.7
6.5-8.5	4.1
8.5-10.5	7.8
10.5-12.5	11.7
12.5-14.5	34.6

SVE-9

2-4	43.6
4-6	91
6-8	259
8-10	49
10-12	52.8
12-14	22.9

SVE-12

2-4	147.2
4-6	131.8
6-8	108
8-10	398
10-12	70.5
12-14	51
14-16	71.2