REPORT

MCP INTERIM PHASE II REPORT FOR THE NEWELL STREET SITE

VOLUME IV OF IV

General Electric Company

Pittsfield, Massachusetts

February 1992

BLASLAND & BOUCK ENGINEERS, P.C.
BLASLAND, BOUCK & LEE
ENGINEERS & GEOSCIENTISTS

MCP INTERIM PHASE II REPORT FOR THE NEWELL STREET SITE

VOLUME IV OF IV

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

FEBRUARY 1992

BLASLAND & BOUCK ENGINEERS, P.C.
6723 TOWPATH ROAD, BOX 66
SYRACUSE, NEW YORK 13214

MCP INTERIM PHASE II REPORT FOR
THE NEWELL STREET SITE

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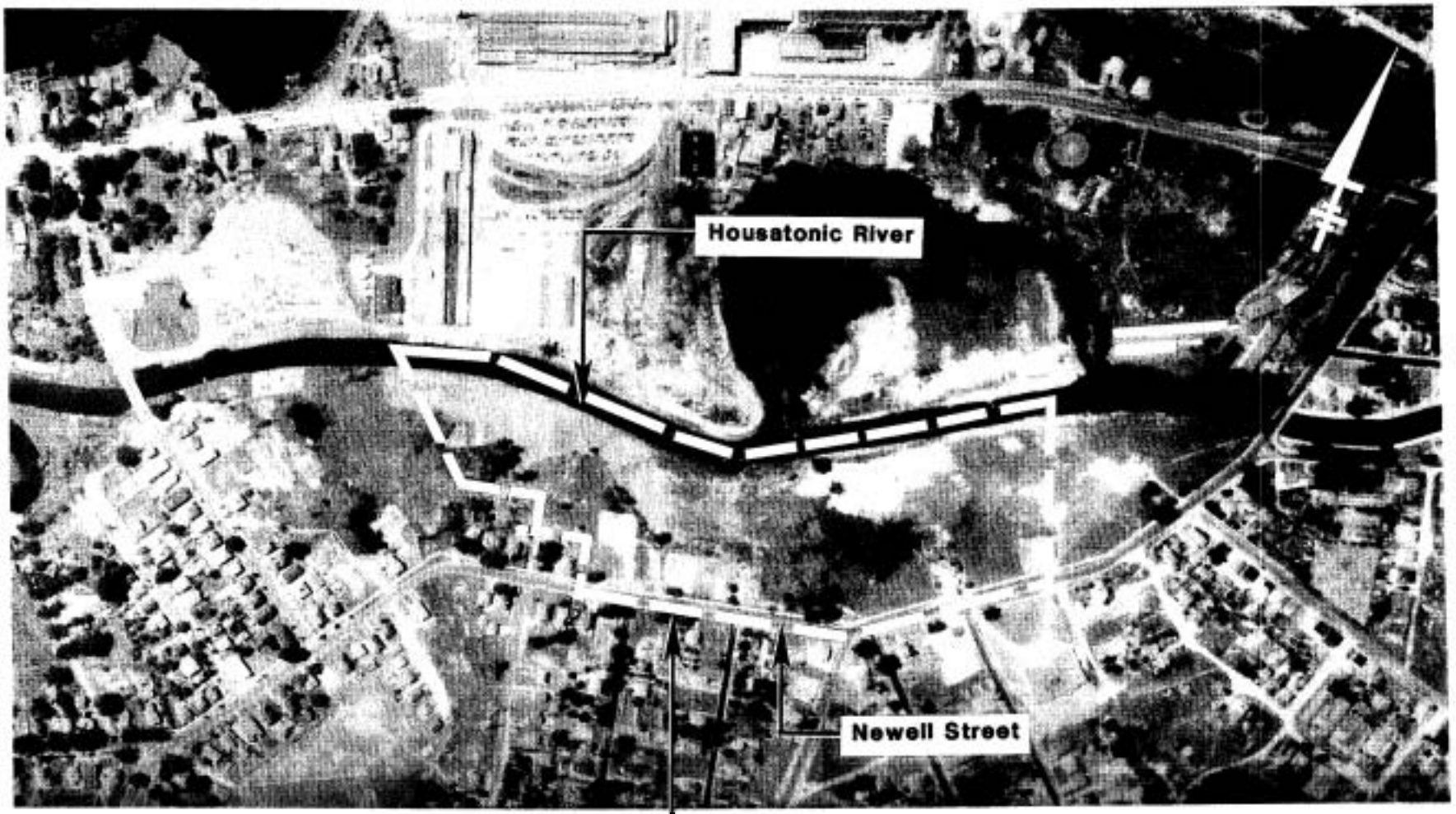

APPROX. SCALE: 1" = 400'

GENERAL ELECTRIC COMPANY • PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II - NEWELL STREET SITE

APPROXIMATE LIMITS OF STUDY AREA

HISTORICAL AERIAL PHOTOGRAPH - 1942

FIGURE H-1

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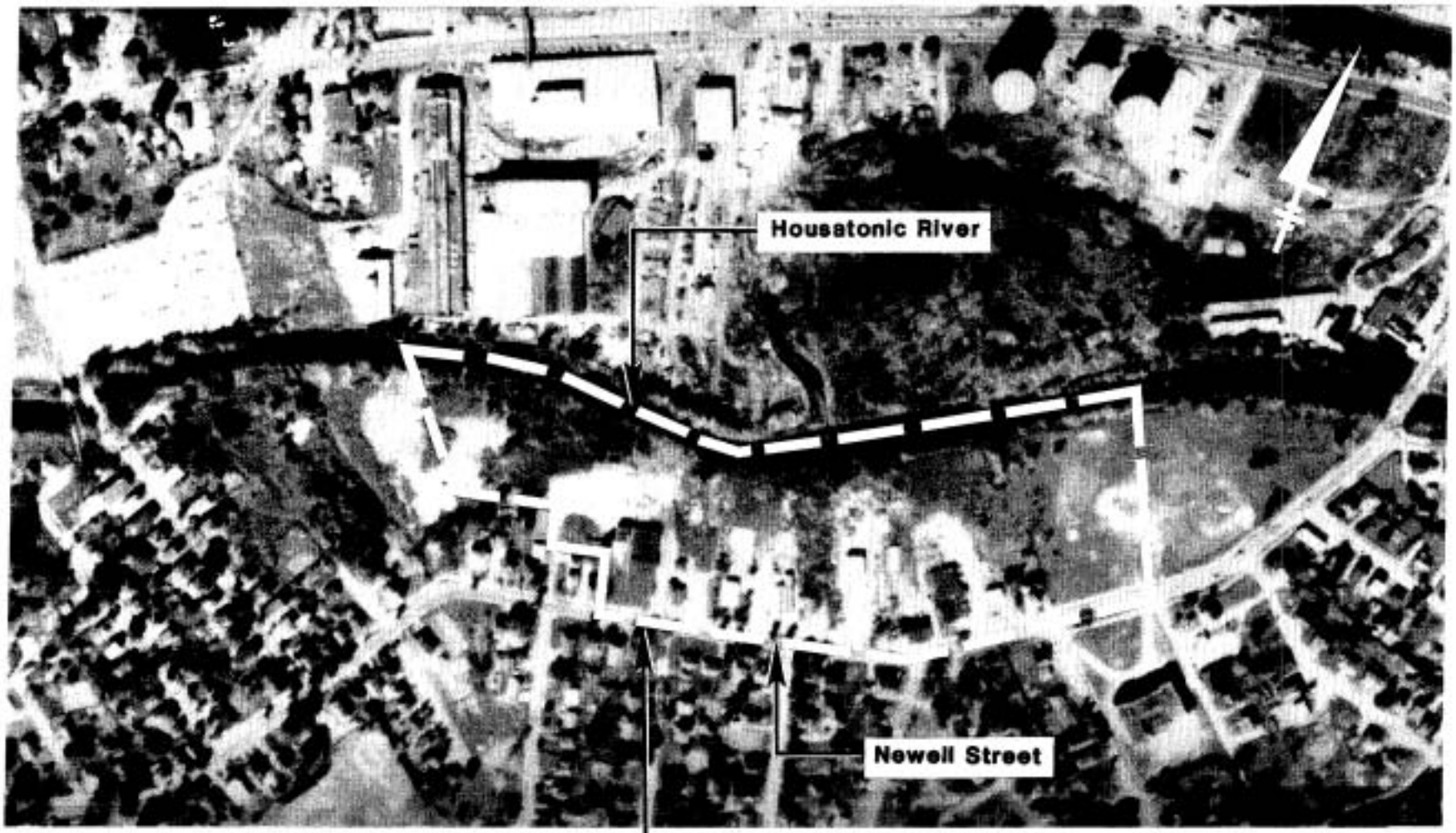

APPROX. SCALE: 1" = 400'

APPROXIMATE LIMITS OF STUDY AREA

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HISTORICAL AERIAL PHOTOGRAPH - 1957

FIGURE H-2

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APPROX. SCALE: 1" = 400'

APPROXIMATE LIMITS OF STUDY AREA

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HISTORICAL AERIAL PHOTOGRAPH - 1960

FIGURE H-3

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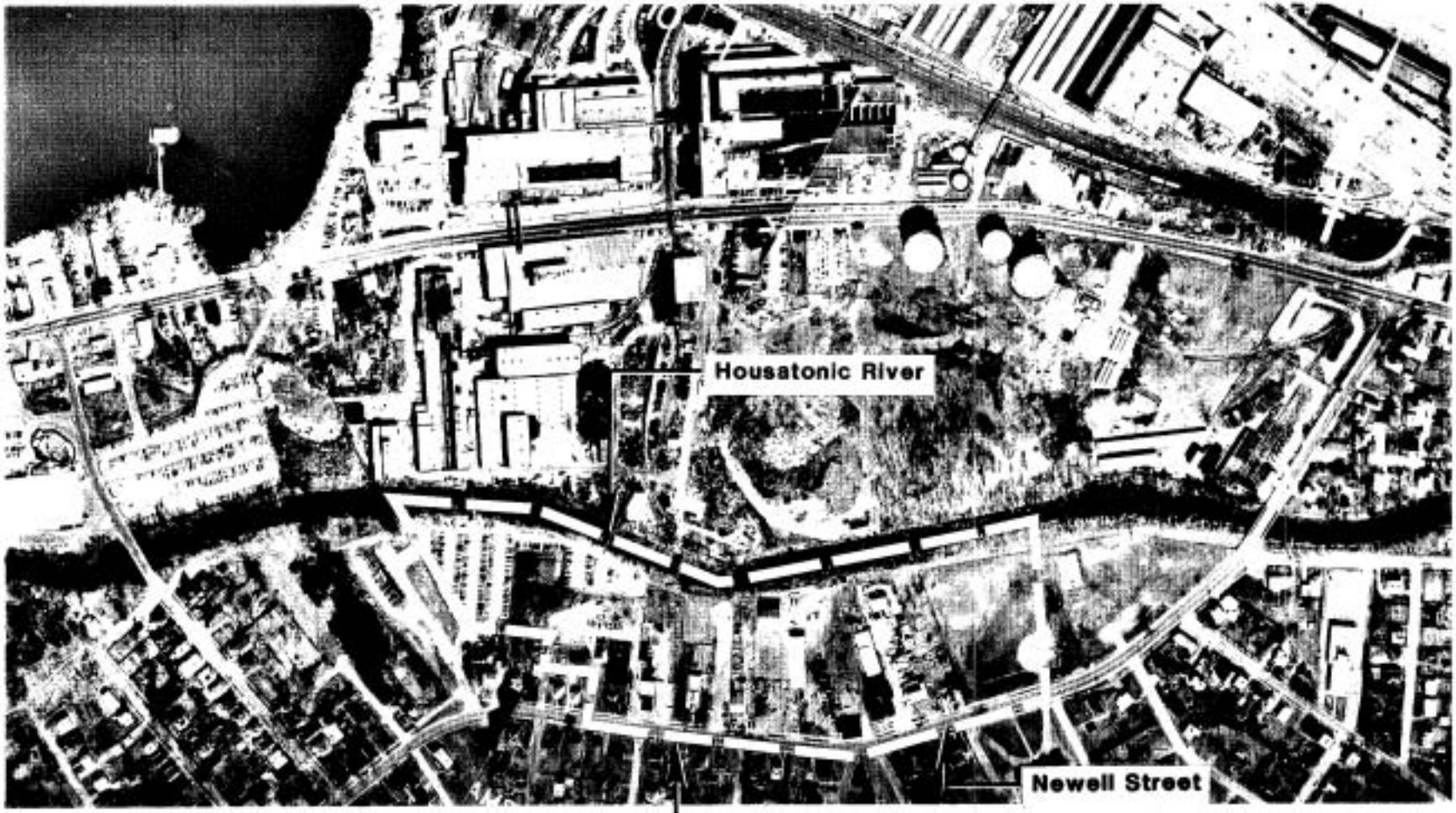

APPROX. SCALE: 1" = 400'

APPROXIMATE LIMITS
OF STUDY AREA

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MCP INTERIM PHASE II - NEWELL STREET SITE

HISTORICAL
AERIAL PHOTOGRAPH - 1969

FIGURE H-4

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APPROX. SCALE: 1" = 400'

APPROXIMATE LIMITS
OF STUDY AREA

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MCP INTERIM PHASE II - NEWELL STREET SITE

HISTORICAL
AERIAL PHOTOGRAPH - 1974

FIGURE H-5

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101. 96.03

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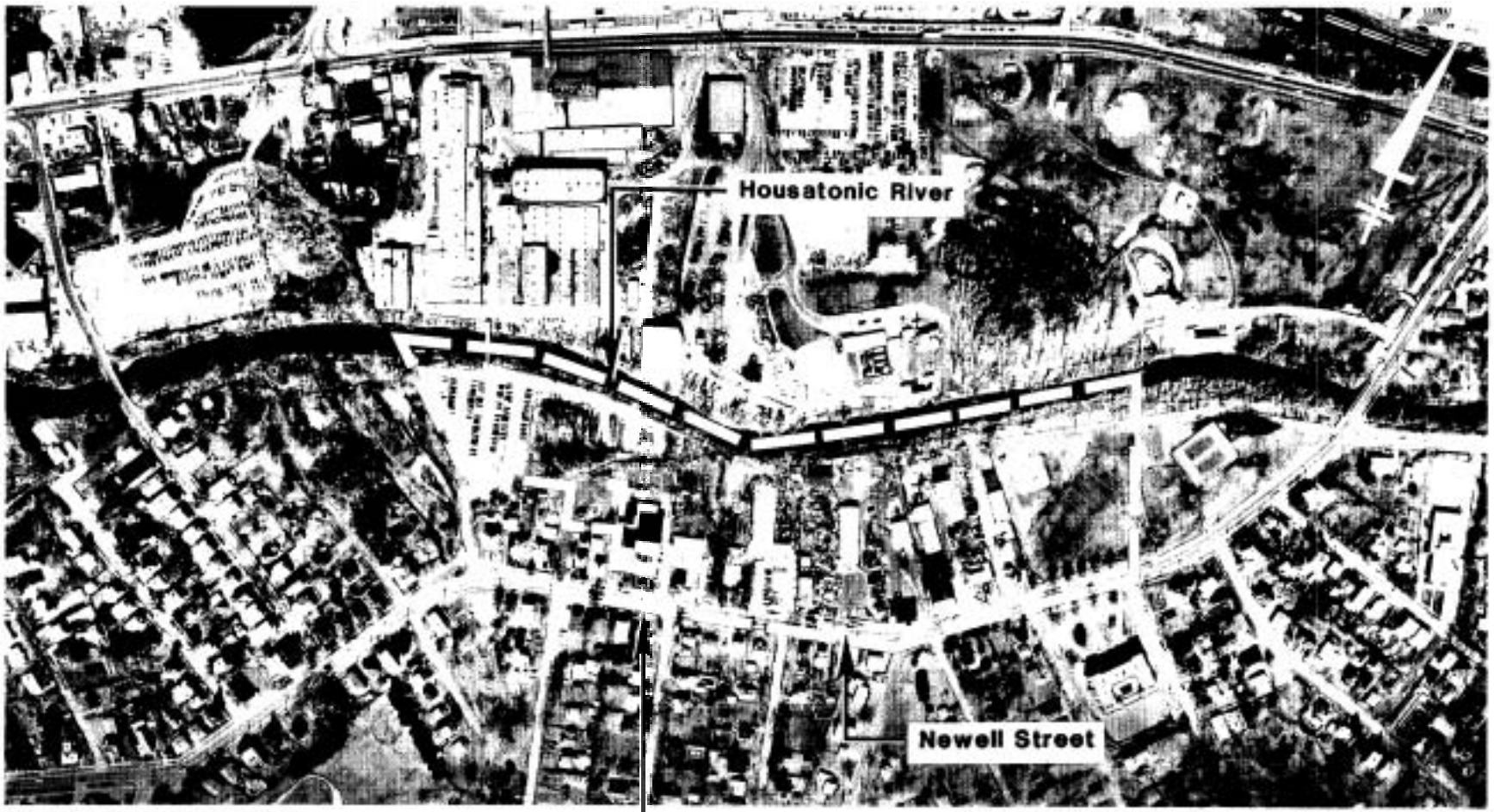

APPROX. SCALE: 1" - 400'

APPROXIMATE LIMITS
OF STUDY AREA

GENERAL ELECTRIC COMPANY • PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II - NEWELL STREET SITE

HISTORICAL
AERIAL PHOTOGRAPH - 1979

FIGURE H-6

FEB. 1992
101.96.03

BLASLAND & BOUCK ENGINEERS, P. C.
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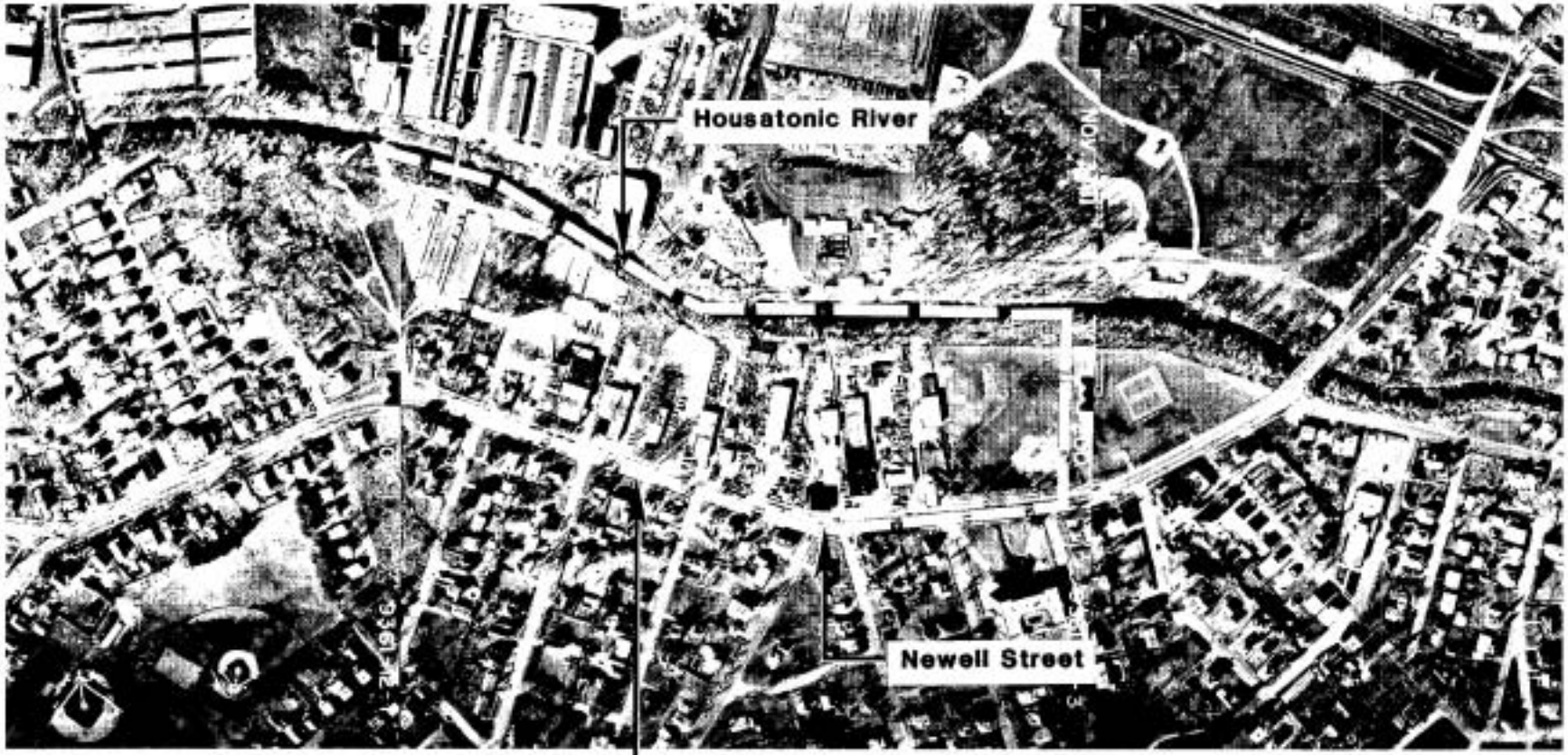

APPROX. SCALE: 1" = 400'

APPROXIMATE LIMITS
OF STUDY AREA

GENERAL ELECTRIC COMPANY • PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II - NEWELL STREET SITE

HISTORICAL
AERIAL PHOTOGRAPH - 1981

FIGURE H-7

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101.96.03

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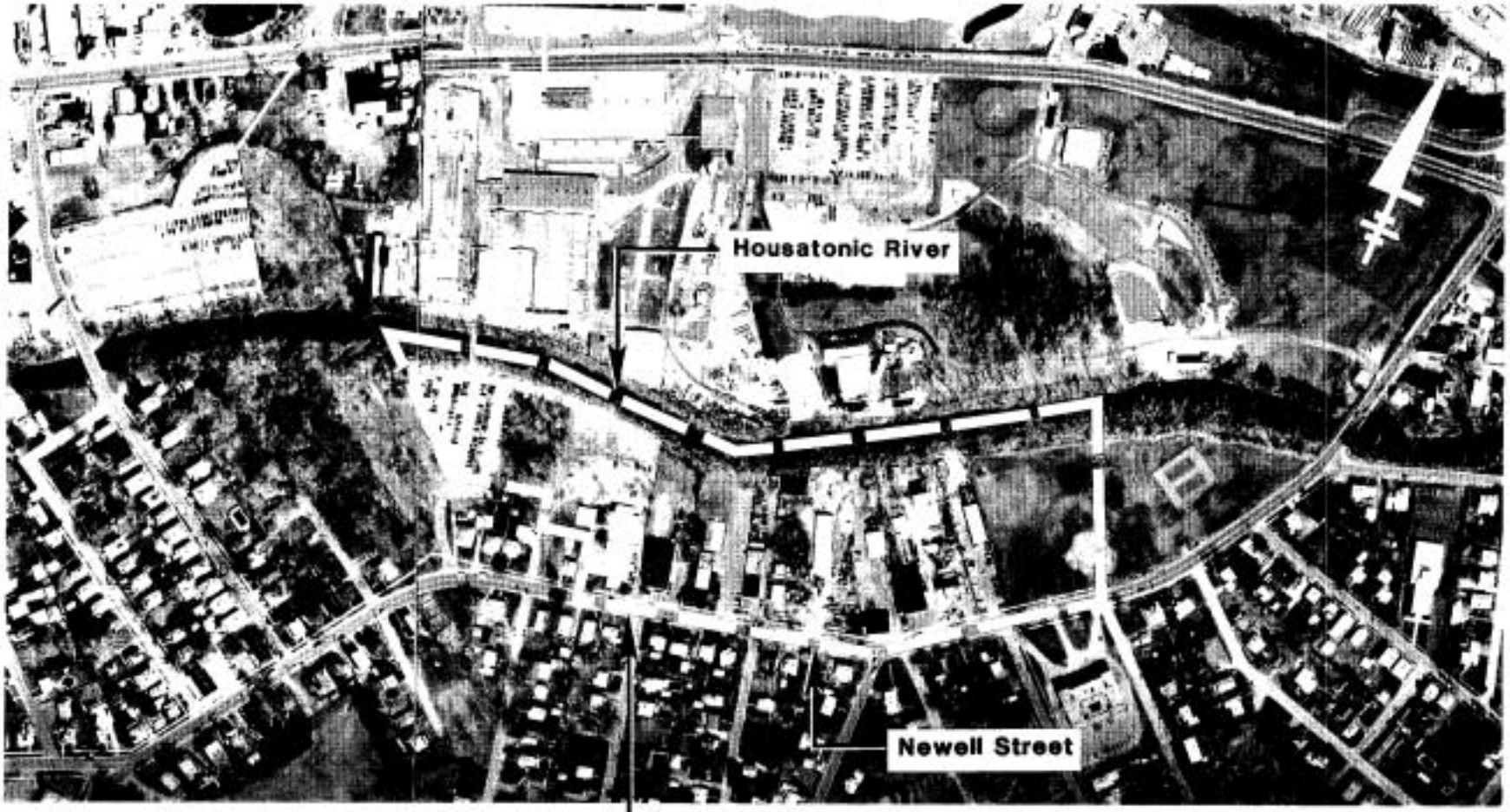

APPROX. SCALE: 1" = 400'

APPROXIMATE LIMITS
OF STUDY AREA

GENERAL ELECTRIC COMPANY • PITTSFIELD, MASSACHUSETTS

MCP INTERIM PHASE II - NEWELL STREET SITE

HISTORICAL
AERIAL PHOTOGRAPH - 1990

FIGURE H-8

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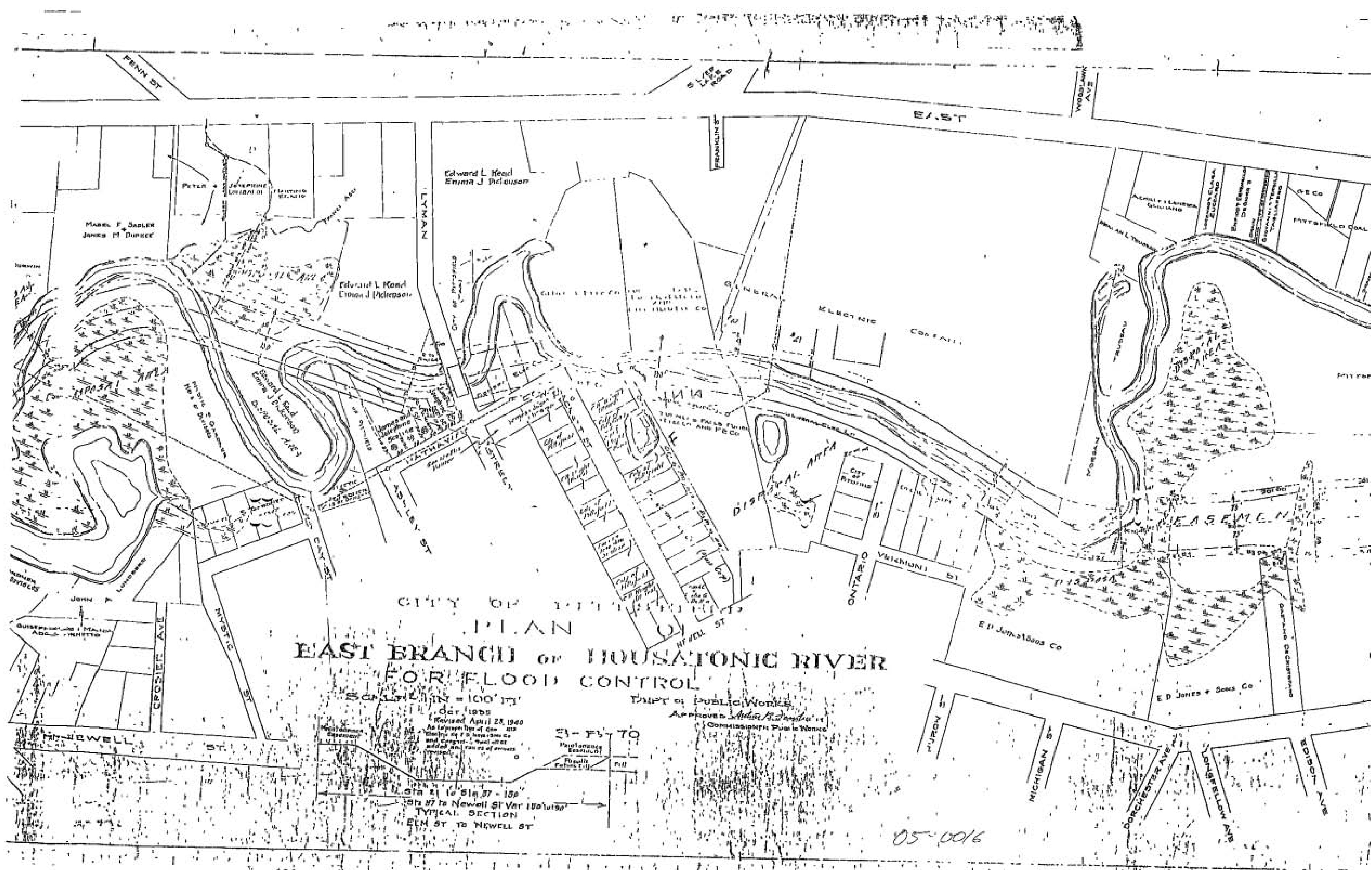
ENGINEERS & GEOSCIENTISTS

APPENDIX I

APPENDIX I

HISTORIC SITE MAPPING


PENN ST
EAST ST
WOODLAWN AVE
FRANKLIN ST
LYMAN
Edward L. Read
Emma J. Dickinson
MABEL F. SADLER
JAMES M. DURKEE
GENERAL
ELECTRIC
COMPANY
DISPOSAL AREA
EASEMENT
ONTARIO
VERMONT ST
NEWELL ST
MYSTIC ST
CROSIER AVE
JOHN A. LUNDBERG
E D Jones & Sons Co
HURON ST
MICHIGAN ST
DORCHESTER AVE
LONGFELLOW AVE
EDISON AVE
PLAN
EAST BRANCH OF HOUSATONIC RIVER
FOR FLOOD CONTROL
DEPT of PUBLIC WORKS
Commissioner Public Works
TYPICAL SECTION
ELM ST TO NEWELL ST
05-0016

APPENDIX J

APPENDIX J

RESULTS OF 1989 SAMPLING AND ANALYSIS AT FORMER QUALITY PRINTING

DELIVERED
4-25-89

BLASLAND AND BOUCK ENGINEERS P.C.

To: Files
From: Robert W. Rhoades
Re: Newel1 St. (Quality Printing) Soil Sampling

Date: 04/24/89
File No: 101-79-02
cc: Grant Bowman (GE)
Robert Goldean (GE)

The following is a summary of the sample results for the P.C.B. sampling conducted at Zuaiiti Printing Company, 191 Newell St Pittsfield, Mass . A draklng showing the saaple location is attached (seee Figure 1). An Analytical Report provided by O.B.G. Laboratories has also been iiitclud

PCB SAMPLINGRESULTS

LABID	TOTAL PCB PPM	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	DATE SAMPLED
SOIL PILE # 2						
GP-1-Ci3	1010	28	SOIL	DISCRETE-GRAB	3.5'-4'	04/13/39
GP-1-C14	900	29	SOIL	DISCRETE-GRAB	0.5'-1'	03/13/59
GP-1-C15	470	30	SOIL	DISCRETE-GRAB	0.5'-1'	04/13/89
GP-1-C16	740	31	SOIL	DISCRETE-GRAB	0.5'-1'	04/13/89
SOIL PILE # 3						
G?-1-C17	<5	32	SOIL	DISCRETE-GRAB	2.5'-3'	04/13/87
GP-1-C18	<5	33	SOIL	DISCRETE-GRAB	0.5'-1'	04/13/89
GP-1-C19	<5	34	SOIL	DISCRETE-GRAB	0.5'-1'	04/13/89
GF-1-C25	<5	35	SOIL	DiSCRETE-GRAB	0.5'-1'	04/13/09
SOIL PILE # 4						
GP-1-C21	i5	36	SOIL	DISCRETE-GRAB	1.5'-2'	04/13/89
GP-1-C22	<5	37	SOIL	DISCRETE-GRAB	0.5'-1'	04/13/89
GF-1-23	<5	33	SOIL	DISCRETE-GRAB	0.5'-1'	04/13/89
UP-1-224	<5	37	SOIL	GISCRETE-ERAB	0.5'-1'	04/13/89

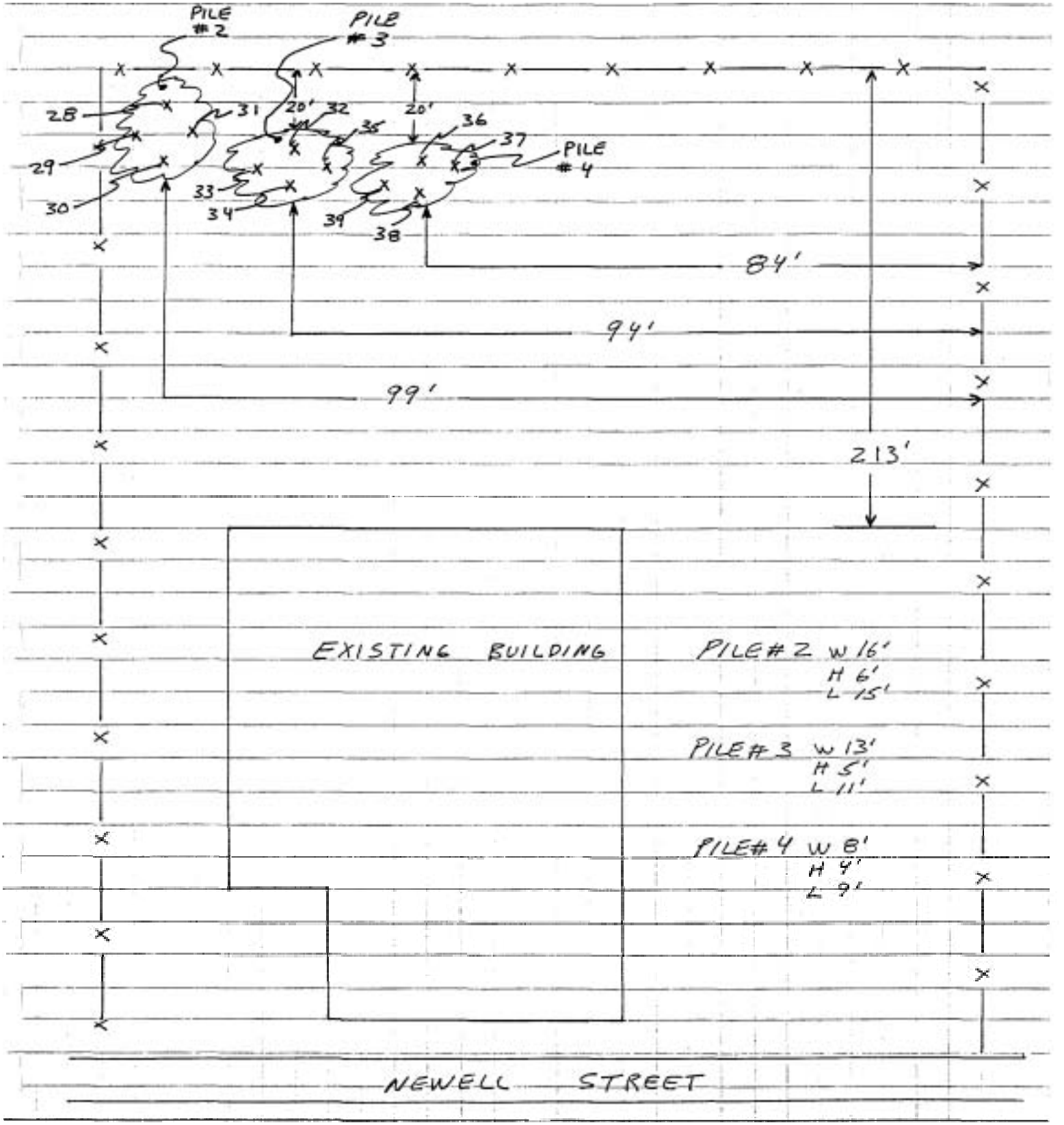
NOTE: SOIL PILE # 2 CONSISTED OF PIECES OF BRICK, CCKCRETE, WOOD, AND METAL DEBRIS. THEY KERE NOT SAMPLED.
SGIL FILE # 3 CONSISTED OF PIECES OF BRICK, CONCRETE, WOOD, AN OILY GLOVE, AND DEBRIS. THEY WERE HOT SAMPLED.
SOIL PILE # 4 CONSISTED OF PIECES OF BRICK, CONCRETE, WOOD, IRON PIPES, AND DEBRIS. THEY WERE NOT SAMPLED.

RWR/bee

BLASLAND & BOUCK ENGINEERS, P.C.

SUBJECT	PROJ. NO.	BY	DATE	SHEET
NEWELL ST. (QUALITY PRINTING) SOIL SAMP.	- -	BEE	9-11-89	

FIG. 1



OBG LABORATORIES, INC.

1056

PRELIMINARY

Laboratory Report

CLIENT BLASLAND & BOUCK ENGINEERS, P.C. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield Job No. 101-79-02

DATE COLLECTED See DATE REC'D. 4/13/89 DATE ANALYZED 4/14/89 → 4/15/

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE mg/Kg wet wt.	PCTS %	Total PCB mg/Kg dry wt	COMMENTS	QC RESULTS
QP-1-C13	4/14/89	4/13/89	850	83.8	1010	Soils	A
C14			766	85.3	900		
C15			403	84.9	470		
C16			638	86.3	740		
C17			1.6	91.3	< 5.		
C18			4.1	85.4	< 5.		
C19			1.8	92.5	< 5.		
C20			2.2	89.2	< 5.		
C21			2.2	89.6	< 5.		
C22			2.6	90.2	< 5.		
C23			2.0	90.9	< 5.		
C24			2.7	88.6	< 5.		
A) Matr. of QP-1-C24			—	—	$\frac{10.08}{10.03}$ = 101%		Recovery
Lab Blank 3	4/19/89		—	—	< 5.		
Lab Blank 2	4/14/89		—	—	< 5.		

Methodology: Federal Register — 40 CFR. Pan 136. October 26. 1984

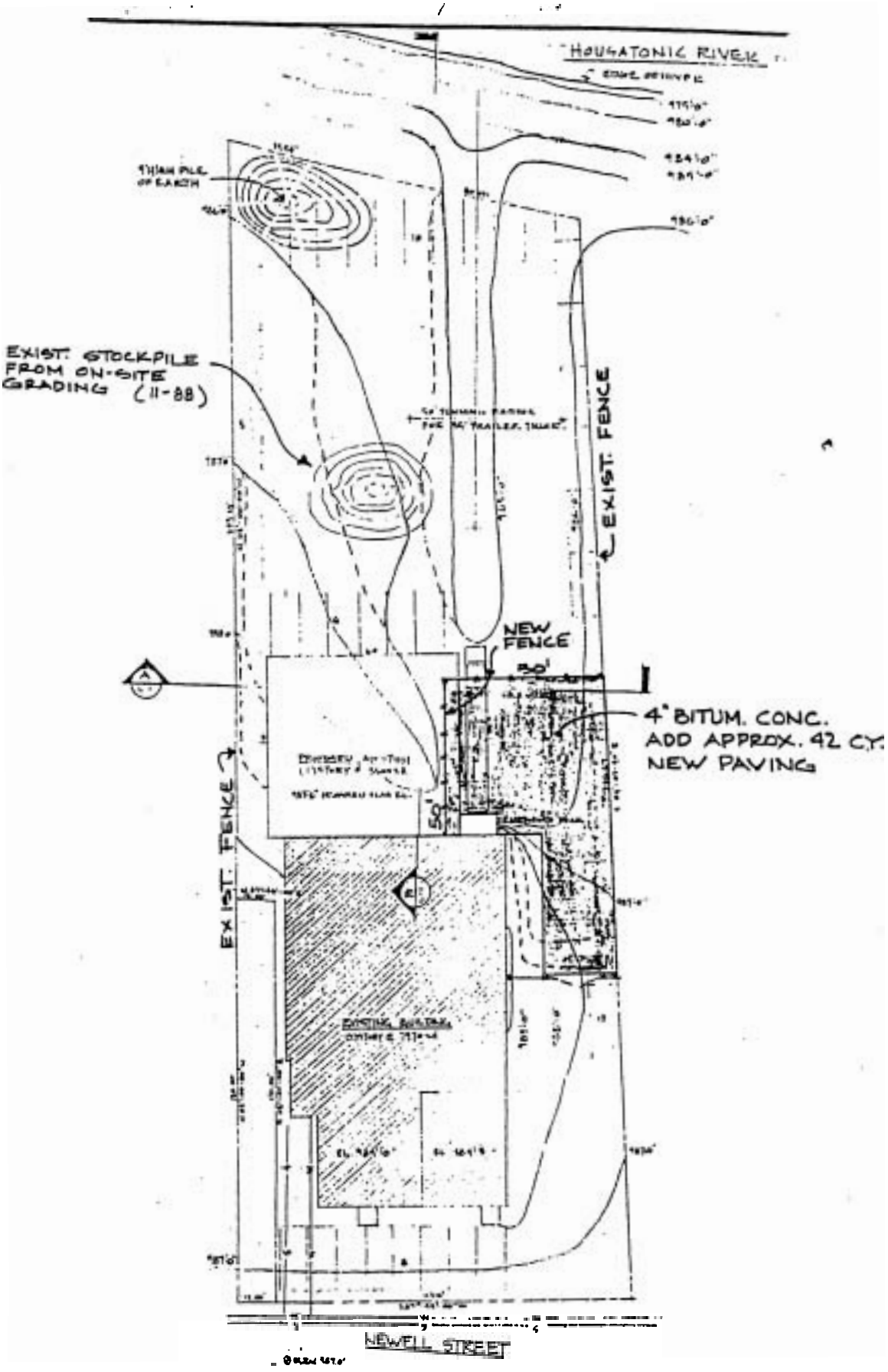
Units: mg/l (ppm) unless otherwise noted

Comments: Sample confirmed PCB1254

Authorized: _____

Date: _____

OBG Laboratones. Inc.
Box 4942 / 1304 Buckley Rd. / Syracuse. NY 13221 1 (315) 457-1494



NOTE:
1. FLOOD PLAIN ELEV. = 990.6
2. ENTIRE SITE BELOW 100 YEAR FLOOD PLAIN

SITE PLAN - C
2-21-89

DELIVERED
4-25-89

BLASLAND AND BOUCK ENGINEERS P.C.

To: Files
From: Robert W. Rhoades
Re: Newell St. (Quality Printing) Soil Saapling

Date: 04/24/89
File No: 101-79-02
cc: Grant Bowman (GE)
Robert Goldman (BB)

The following is a summary of the saaple results for the P.C.B. sampling conducted at Quality Printing Company, 191 Newell St., Pittsfield, Mass . A drawing showing the sample locatian is attached (see Figure 1). An Analytical Report provided by O.B.G. Laboratories has also been included.

PCB SAMPLING RESULTS

LAB ID	TOTAL PCB PPM	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	DATE SAMPLED
GP-1-C7	410	22	SOIL	DISCRETE-GRAB	7.5'-8'	04/13/89
GP-1-C8	930	23	SOIL	DISCRETE-GRAB	0.5'-1'	04/13/89
GP-1-C9	120	24	SOIL	DISCRETE-GRAB	0.5'-1'	04/13/89
GP-1-C10	380	25	SOIL	DISCRETE-GRAB	3.5'-4'	03/13/39
GP-1-C11	280	26	SOIL	DISCRETE-GRAB	0.5'-1'	04/13/89
GP-1-C12	220	27	SOIL	DISCRETE-GRAB	0.5'-1'	04/13/89

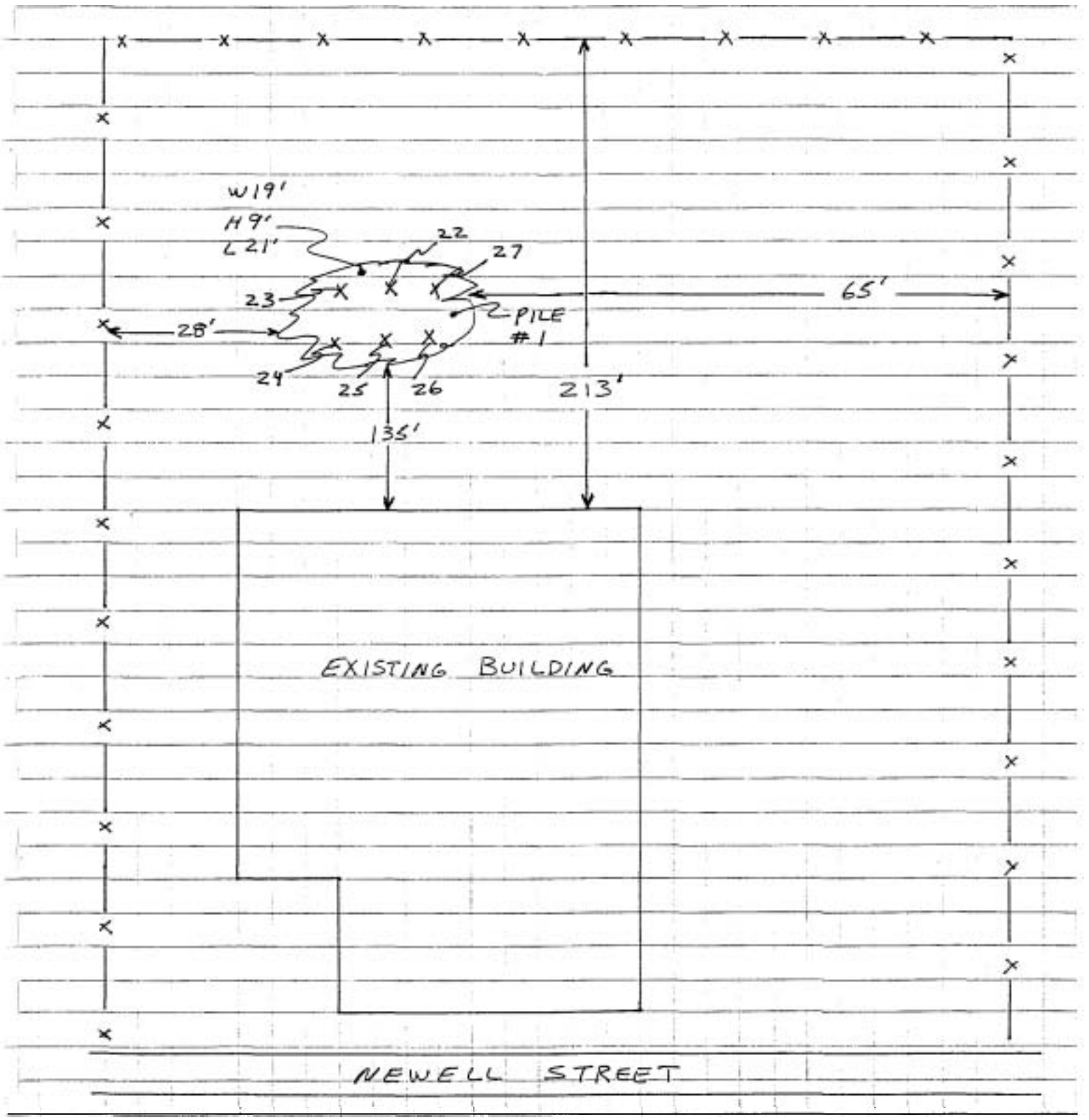
NOTE: SOIL PILE NUMBER ONE WAS COVERED WITH POLY. AND CONSISTED OF PIECES OF BRICK, CONCRETE, WOOD, METAL DEBRIS, AND WOOD BLOCK. THEY WERE NOT SAMPLED.

RWR/bee

BLASLAND & BOUCK ENGINEERS, P.C.

SUBJECT	PROJ. NO.	BY	DATE	SHEET
NEWELL ST. (QUALITY PRINTING) SOIL SAMP.	101-79-02	BEE	4-11-89	

FIG. 1



OBG LABORATORIES, INC.

1055

PRELIMINARY

Laboratory Report

CLIENT BLASLAND & BOUCK ENGINEERS, P.C. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield Job No. 101-79-02

DATE COLLECTED See DATE REC'D. 4/13/89 DATE ANALYZED 4/14/89 → 4/1

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE mg/kg wet wt.	PCTS (%)	Total PCB mg/kg dry wt.	COMMENTS	QC RESULTS
QP-1-C7	4/14/89	4/13/89	381	92.1	410	x Soils	A
C8	↓	↓	848	90.7	930	↓	↓
C9	↓	↓	108	90.3	120	↓	↓
C10	↓	↓	337	89.3	380	↓	↓
C11	↓	↓	247	89.2	280	↓	↓
C12	↓	↓	196	89.9	220	↓	↓
A) Duplicate of QP-1-C7			200	91.3	220	vs 410	% RPD = 60
Matrix Spike of QP-1-C8			—	—	11.36 / 10.03	= 113%	Recovery

Methodology: Federal Register — 40 CFR, Part 136. October 26.1984

Units: mg/l (ppm) unless otherwise noted

Comments: Samples contained PCB 1254

Authorized: _____

Date: _____

OBG Laboratories. Inc.
Box 4942 1 1304 Buckley Rd. / Syracuse. NY / 13221 1 (315) 457-1494

APPENDIX K

APPENDIX K

SHORT TERM MEASURES PROPOSAL - NEWELL STREET SITE

SHORT-TERM MEASURES PROPOSAL
NEWELL STREET SITE
PITTSFIELD, MASSACHUSETTS

Prepared for

GE Company
100 Woodlawn Avenue
Pittsfield, Massachusetts 01201

December 1990

Geraghty & Miller, Inc.
Environmental Services
24 Madison Avenue Extension
Albany, New York 12203
(518) 452-7826

CONTENTS

FIGURES

APPENDICES

SHORT-TERM MEASURES PROPOSAL
NEWELL STREET SITE
PITTSFIELD, MASSACHUSETTS

INTRODUCTION

In accordance with Paragraph 6.1 of Administrative Consent Order (ACO) No. SA 1-0147 and 1-0151 entered into by GE Company (GE) and the Massachusetts Department of Environmental Protection (DEP), Geraghty & Miller, Inc. has developed this proposal for short-term measures (STMs) at the Newell Street site in Pittsfield, Massachusetts. While GE does not believe that existing conditions at Newell Street constitute an "imminent hazard" to human health or the environment within the meaning of the Massachusetts Contingency Plan (MCP), this proposal is being submitted for DEP review and approval pursuant to the above-referenced order.

After reviewing the June 1990 Supplemental Phase II Scope of Work (SOW) for the Newell Street site, prepared on behalf of GE by Blasland and Bouck Engineers of Syracuse, New York, the DEP submitted a conditional letter of approval to GE, dated August 24, 1990. One of the conditions of that letter was to submit a STM proposal to address PCBs in surficial soil through removal or treatment at the Anthony Marchetto Contractors' property and at a former printing facility, Quality Printing, located 500 feet west of the Marchetto property. GE responded to this letter on September 12, 1990 and indicated that the STM proposal would not necessarily provide for removal or treatment of the surficial soil but might propose alternatives such as institutional controls. The DEP agreed with GE in another letter of conditional approval, dated September 24, 1990, which indicated that the STM proposal need not involve

removal or treatment of surficial soil, provided the STMs address the elimination of hazards posed by surficial contamination. Hydrogeologic studies, including surficial soil investigations, began in 1987 at the Newell Street site. These studies have shown the presence of elevated PCB concentrations in the surficial soils of **two** properties, the Quality Printing and Marchetto properties. The **DEP** has concluded that these concentrations constitute an "imminent hazard" and require implementation of STMs under the MCP (310 **CMR** 40.542) to abate such hazard. While, as noted above, GE does not agree with the DEP's conclusion as to the existence of an "imminent hazard," this proposal is being submitted for the implementation of STMs to address the DEP's immediate concerns. As such, this proposal is intended to comply with the MCP requirements for STMs. It is not intended to represent final remedial action for these portions of the Newell Street site. The ultimate cleanup level for soils at this site and the ultimate remedial actions (if any) will be considered and determined in connection with the performance of activities in Phase 11 and Phase 111 of the MCP process, in accordance with Article VIII of the above-referenced consent order.

STM FOR QUALITY PRINTING PROPERTY

GE purchased the Quality Printing property in November 1984. Activity no longer occurs at this location. A portion of the Quality Printing property has been paved, the site is totally fenced, warning signs are posted, and access is completely restricted. In these circumstances, the proposed STM for this property will consist of institutional controls.

Specifically, GE will maintain the fence and warning signs and will monitor the site to ensure that the access continues to be totally restricted.

These institutional controls should adequately protect against any short-term hazards posed by PCBs in the surficial soils during the interim period prior to the evaluation **and** determination of final remedial action. They will do so by preventing any direct contact of individuals with such soils. Thus, the only potential risks are via inhalation of volatilized PCBs or exposure to windblown fugitive dust from such soils.

A preliminary risk assessment prepared for the Newell Street site by Geraghty & Miller, Inc. in 1989 specifically addressed the risk from PCBs in the surficial soil at the Quality Printing Property. It is recognized that this risk assessment was not complete and that a full risk assessment for the Newell Street site must be performed as part of the Phase II activities, as provided in GE's supplemental Phase II Scope of Work for the Newell Street site. Nevertheless, the preliminary risk assessment is useful for STM purposes in that it provides data indicating that the lifetime risk from PCBs associated with exposure to fugitive dust from surficial soil is insignificant (estimated to be 1.4 **x** 10^{-6} even using a potency factor of **7.7).** Although this risk assessment did not address the potential risk for volatilized PCBs, it seems clear due to climatic conditions in the area, that the overall risk due to inhalation of volatilized PCBs would similarly be very low. Thus, based on current information, it appears that the overall site risk would be less than 1 x 106. This demonstrates that the proposed **STM** will be sufficient to address any

immediate concerns regarding environmental hazards associated with surficial PCB contamination on the site.

STM FOR MARCHETTO PROPERTY

Soil Quality

Surficial soil sampling programs have been carried out at the Marchetto property on several occasions as part of the Newell Street site investigation. The 1988 and 1989 sampling events showed elevated levels of PCBs in the surficial soil at locations MO-3, M0-4, MO-5, MO-6, and MO-7. In order to determine the areal extent of surficial soil with a PCB content greater than 22 parts per million (ppm), additional sampling programs were conducted in October 5 and 23, and November 15, 1990. The results of this sampling are presented in the attached Appendix, entitled "Results of the October/November Street Soil Sampling Program Marchetto Property, Newell Street, Pittsfield, Massachusetts." The sampling locations are shown on Figures 1,2, and 3 of that report. **A** summary of the Photoionization Detector (PID) results for surficial soil samples collected in October/November 1990 are presented in Table 1 of the report. PCB analytical results for the May 1988, March 1989, and October 5 and 23, and November 15, 1990 samples are presented in Table 2 of the report. Surficial soil sampling locations exceeding 22 ppm are shown in Figure 4 of the report.

Proposed Actions

For purposes of this **STM** only, elevated PCB concentrations are defined as concentrations in excess of 22 ppm in the top four inches of soil.

In accordance with the requirements for STMs (310 CMR 40.542) proposed for the Marchetto Property, the objective of the STM is to prevent direct contact with surficial soil which contains PCBs above 22 ppm. Three areas have been identified that require STMs: (1) the area in the northern portion of the property containing sampling locations MO-5, MO-6, and MO-7; (2) the area extending from around MO-4 to the storm water drainage ditch on the eastern side of the property; and (3) the **area** around MO-3. These areas are shown on Figure **A.** The proposed STM for these areas are as follows (subject to obtaining permission form the property owner):

1. A fence posted with proper warnings allowing no access will be installed as shown in Figure **A** to prevent access to the northern portion of the Marchetto property. Additional surficial samples will be collected in the storm water drainage ditch south of sample DD-S to define the southern extent of PCB contamination greater than 22 ppm in the ditch, and the fence will be extended to enclose the **area.** The fence will connect with the existing fence on the eastern boundary of the property. By installing this fence and restricting access to the drainage ditch and northern portion of the property, the only potential risk for this area is through inhalation. Since the average concentrations of

PCBs in surficial soil on the Marchetto property is less than that on the Quality Printing property, the potential risk from inhalation would be even less than on the Quality Printing property.

2. The soil piles inside the fenced area will be impounded on-site. GE will take ownership of the soil piles for future use as fill material on GE property.

3. Four inches of asphalt will be placed in the non-fenced areas where PCBs exceeded 22 ppm, plus a buffer zone for areas where samples were not collected, see Figure A. Prior to paving, each area will be graded. The areas to be paved include 3.1 cubic yards around MO-3 and 7.4 cubic yards around MO-4. In accordance with Massachusetts Conservation Department (MCD) requirements, the total area of the sites to be paved must be compensated with unpaved areas within the 100 year floodplain at similar elevation. To meet this requirement, compensation soil at an equal elevation on GE property will be obtained from the southeast comer of East Street Area **2** which is in the 100 year floodplain. Eight samples were collected in this **area** (0-6 inches and 6-12 inches) at four locations, see Figure B. A copy of the analytical results are attached. These results indicate that PCBs were not detected in the soils within this area at a detection limit of 0.6 parts per million (ppm).

All work will be conducted in a safe and workmanlike manner. All contractors will follow the Geraghty & Miller Newell Street site Health and Safety Plan, dated January 31, 1990.

SCHEDULE

Upon receiving DEP approval of the proposed STMs for the Marchetto property, GE will contact the Massachusetts Conservation Department (MCD) to obtain approval to conduct the proposed actions. The STMs proposed for the Marchetto property will be implemented within 60 days of receiving MCD approval, with the proviso that grading and paving can only be conducted during appropriate weather conditions.

Sincerely,

GERAGHTY & MILLER, **INC.**

William J. Gray
Project Scientist

Dennis Colton
Senior Project Advisor

DC:WJG/smh

OBG LABORATORIES, INC.

Laboratory Report

CLIENT BLASLAND & BOUCK ENGINEERS, P.C. JOB NO. 2887.026.517

DESCRIPTION East St. Area 11 Soil Sampling Pittsfield, Mass. B&B Job No. 101.75.12

MATRIX: Soil

Date Analyzed: 10-9-90 DATE COLLECTED 10-8-90 DATE RECEIVED 10-9-90

	Sample #	PCB	PERCENT TOTAL SOLIDS
EA-ST2-C1	L1177	<0.6	92.
EA-ST2-C2	L1178		94.
EA-ST2-C3	L1179		94.
EA-ST2-C4	L1180		89.
EA-ST2-C5	L1181		95.
EA-ST2-C6	L1182		95.
EA-ST2-C7	L1183		91.
EA-ST2-C8	L1184		92.

Comments:

Certification No.: NY034

Units: mg/kg dry wgt.

Authorized:

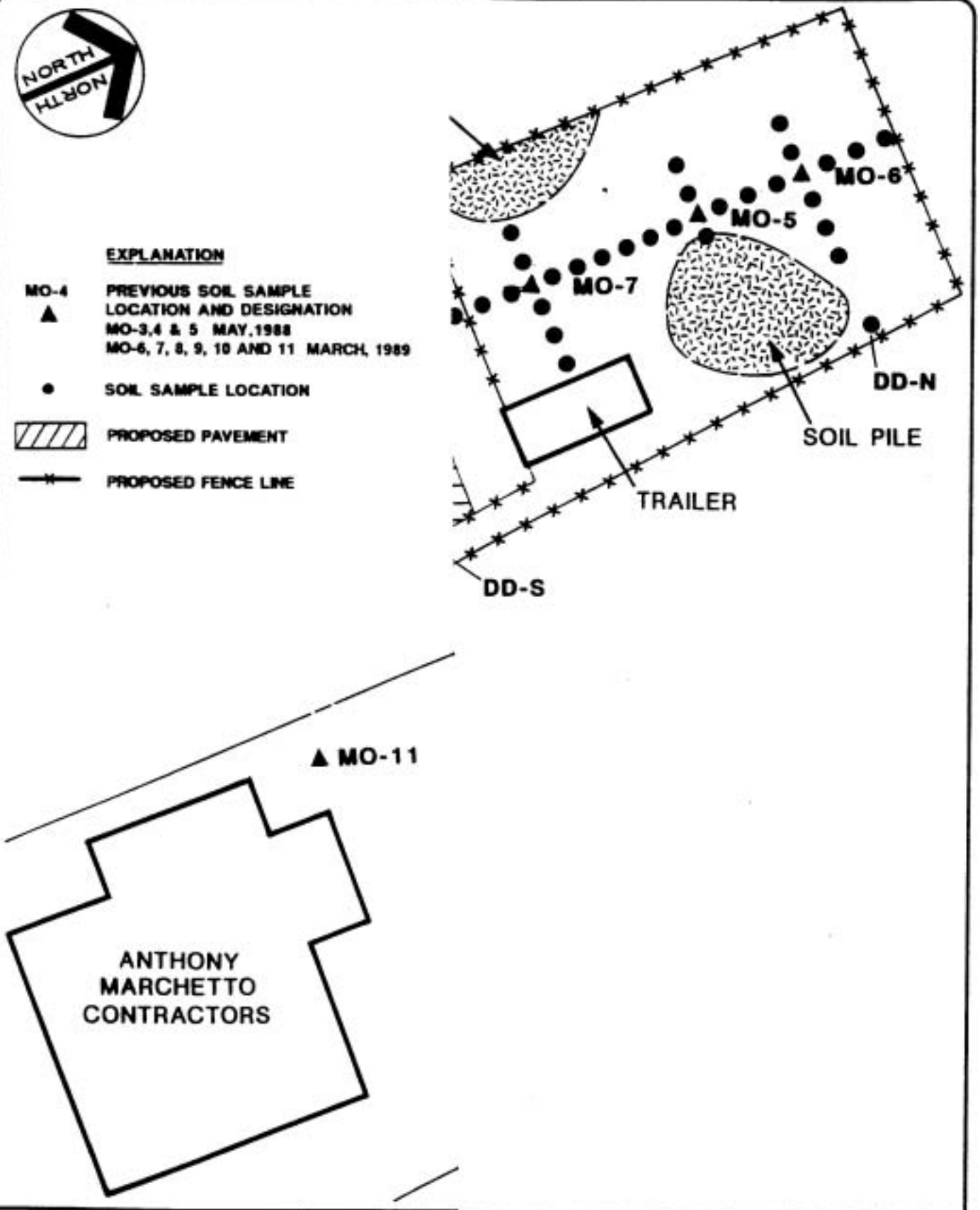
Date: October 24, 1990

OBG Laboratories, Inc., an O'Brien & Gere Limited Company
5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 47-0200

REFERENCES

Geraghty & Miller, Inc. May 1989. Risk Assessment for the Newell Street Site, Pittsfield, Massachusetts.

156764



DRAFTER: R. FAULK | MGR.: B. GRAY | COMPILER: A. LABARGE | CAD FILE: NON-CAD | FILE NO.: | PROJCT. NO.: AY03402 | DATE: 12/90

SCALE
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FIGURE
A

OBG LABORATORIES, INC.

Laboratory Report

CLIENT BLASLAND 6 BOUCK ENGINEERS. P.C. JOB NO. 2887.026.517

DESCRIPTION East St, Area II Soil Sampling Pittsfield. Mass. B&B Job No. 101.75.12

MATRIX: Soil

Date Analyzed: 10-9-90 DATE COLLECTED 10-8-90 DATE RECEIVED 10-9-90

	Sample #	PCB	PERCENT TOTAL SOLIDS	
EA-ST2-C1	L1177	<0.6	92.	
EA-ST2-C2	L1178	↓	94.	
EA-ST2-C3	L1179	↓	94.	
EA-ST2-C4	L1180	↓	89.	
EA-ST2-C5	L1181	↓	95.	
EA-ST2-C6	L1182	↓	95.	
EA-ST2-C7	L1183	↓	91.	
EA-ST2-C8	L1184	↓	92.	

Comments:

Certification No.: NY034

Units: mg/kg dry wgt.

Authorized: [signature]

Date: October 24, 1990

OBG Laboratories. Inc., an O'Brien & Gere Limited Company
5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

RESULTS OF THE OCTOBER/NOVEMBER 1990 SURFICIAL SOIL SAMPLING PROGRAM MARCHETTO PROPERTY, NEWELL STREET PITTSFIELD, MASSACHUSETTS

Prepared for

GE Company
100 Woodlawn Avenue
Pittsfield, Massachusetts 01201

December 1990

Geraghty & Miller, Inc.
Environmental Services
24 Madison Avenue Extension
Albany, New York 12203
(518) 452-7826

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FIGURES

APPENDICES

RESULTS OF THE OCTOBER/NOVEMBER 1990 SURFICIAL SOIL SAMPLING PROGRAM-MARCHETTO PROPERTY NEWELL STREET, PITTSFIELD, MASSACHUSETTS

INTRODUCTION

The General Electric Company (GE) and the Massachusetts Department of Environmental Protection (DEP) have entered into an Administrative Consent Order on May 10, 1990 pursuant to the Massachusetts Contingency Plan (MCP) for the investigation of contamination on the Newell Street properties in Pittsfield, Massachusetts. Section 6.1 of this order contains a provision for the implementation of Short-Term Measures (STMs) should they be required.

Geraghty & Miller, Inc. conducted a supplemental surficial soil sampling program on one of the Newell Street properties (Marchetto Property) during October/November 1990 on behalf of GE Company in Pittsfield, Massachusetts. The objective of the program was to collect additional data at the Marchetto site pertaining to surficial soil quality for the determination of a STM as required by the DEP in their letter dated August 24, 1990.

During this program surficial soil samples were collected at 55 locations on the Marchetto property (Figure 1). In addition, two soil samples were collected from each soil stockpile (Soil Pile No. 1 and Soil Pile No. 2) identified on Figure 2. The sampling methodology and analytical results are presented herein.

SAMPLING METHODOLOGY

The October/November 1990 surficial soil sampling program included the collection of surficial soil samples in a radial pattern around locations MO-3, MO-4, MO-5, MO-6 and MO-7, previously identified as containing PCBs at concentrations greater than 22 milligrams per kilogram (mglkg) or parts per million (ppm) (Figure 1). The samples were collected in the north, south, east, and west directions away from each of these five locations at 5-foot increments to 15 feet to determine the areal extent of PCB concentrations in surficial soil greater than 22 mg/kg. The sampling locations are shown in Figures 2 and 3. Two duplicate samples (DP-1 and DP-2) were collected from locations MO-4W3 and MO-5W1, respectively. In addition, two surficial soil samples were collected from a drainage ditch which is located along the eastern property line of the Marchetto property (DD-N and DD-S). These sample locations are shown in Figure 2.

Each sample was obtained by compositing the surficial soil from a one-foot by one-foot by four-inch deep area. All samples were field screened for volatile organic compounds (VOCs) using a photoionization detector (PID). The background level for VOCs at this site was determined to be zero. Samples MO-4N1, MO-6W1 and MO-7N3 produced PID readings of 10.3, 2.2 and 8.1 respectively (Table 1). These samples were submitted for VOC analysis (EPA Method 8240) as required by the DEP. Soil sampling equipment was decontaminated with

a laboratory-grade detergent solution and rinsed with distilled water between each location to prevent cross-contamination of samples. The decontamination water was containerized and transported to GE for proper disposal.

Surficial soils within the sampling area consist of a silty sand matrix with small amounts of gravel. The nature of the soil samples are described in the soil description presented in Appendix A.

ANALYTICAL RESULTS

The results of the surficial soil sampling program conducted on the Marchetto property indicate that PCBs were found at concentrations above 22 mglkg in 18 of the 41 new sampling locations analyzed (Table 2). The laboratory was instructed to analyze the samples for PCBs (EPA Method 8080) in sequence, at progressively farther distances away from locations MO-3, MO-4, MO-5, MO-6 and MO-7 until a result of less than 22 mglkg was detected (Figures 2 and 3). Therefore, the PCB data in Table 2 does not include all sampling locations identified on Figures 2 and 3, because these figures include all sampling locations whether the soil was analyzed or not. Based on these results, small areas adjacent to locations MO-3, MO-4, MO-6, and MO-7 have been identified to contain PCBs greater than 22 mglkg, as shown on Figure 4. The soil pile samples showed PCB concentrations well below 22 mglkg. However, samples DD-N and DD-S, located within the property drainage ditch, contained PCB concentrations of 91 mglkg and 83 mglkg, respectively. Volatile organic analyses (EPA Method 8240) were

performed on samples MO-4N1, MO-6W1 and MO-7N3 due to PID readings above background. Methylene chloride, a common laboratory artifact, was detected at low concentrations in all three samples. Toluene was detected in samples MO-4N1 and MO-7N3 at 80 micrograms per kilogram (uglkg) or parts per billion (ppb) and 39 ug/kg, respectively. No other volatile organic compounds were reported above the method detection limits. A sample collection report describing all pertinent sampling information is presented in Table 3. Laboratory data for all PCB and VOC results are presented in Appendix B.

If you have any questions or comments regarding the sampling program, please do not hesitate to contact us.

Respectfully submitted,

GERAGHTY & MILLER, INC.

William J. Gray
Project Scientist

Dennis Colton
Senior Project Advisor

DC:WJG/smh

Table 1. **Summary of Photoionization Detector (PID) Results for Soil Samples Collected at the Marchetto Property, Newell Street, October 5 and 23, and November 15, 1990, Pittsfield, Massachusetts.**

Sample Designation	Depth (Inches) and Correlating PID Results (ppm)[a]
	(0-4)
MO-3N1	0.0
MO-3N2	0.0
MO-3N3	0.0
MO-3N4	0.0
MO-3S1	0.0
MO-3S2	0.0
MO-3S3	0.0
MO-3E1	0.0
MO-3E2	0.0
MO-3E3	0.0
MO-3W1	0.0
MO-3W2	0.0
MO-4N1	10.3
MO-4N2	0.0
MO-4N3	0.0
MO-4S1	0.0
MO-4S2	0.0
MO-4S3	0.0
MO-4E1	0.0
MO-4E2	0.0
MO-4E3	0.0
MO-4E4	0.0
MO-4W1	0.0
MO-4W2	0.0
MO-4W3(DP-1)	0.0

[a] These results are qualitative only and do not represent the absolute concentrations of any volatile organic compound in the soil core, whether the compound is natural or man-made.

Table 1. Summary of Photoionization Detector (PID) Results for Soil Samples Collected at the Marchetto Property, Newell Street, October 5 and 23, and November 15, 1990, Pittsfield, Massachusetts.

Sample Designation	Depth (Inches) and Correlating PID Results (ppm)* (0-4)
MO-5N1	0.0
MO-5N2	0.0
MO-5S1	0.0
MO-5S2	0.0
MO-5S3	0.0
MO-5E1	0.0
MO-5W1 (DP-2)	0.0
MO-5W2	0.0
MO-6N1	0.0
MO-6N2	0.0
MO-6N3	0.0
MO-6S1	0.0
MO-6E1	0.0
MO-6E2	0.0
MO-6E3	0.0
MO-6W1	2.2
MO-6W2	0.0
MO-7N1	0.0
MO-7N2	0.0
MO-7N3	8.1
MO-7S1	0.0
MO-7S2	0.0
MO-7S3	0.0

* These results are qualitative only and do not represent the absolute concentrations of any volatile organic compound in the soil core, whether the compound is natural or man-made.

Table 1. Summary of Photoionization Detector (PID) Results for Soil Samples Collected at the Marchetto Property, Newell Street, October 5 and 23, and November 15, 1990, Pittsfield, Massachusetts.

	Sample Designation	Depth (Inches) and Correlating PID Results (ppm)*
		(0-4)
	MO-7E1	0.0
	MO-7E2	0.0
	MO-7E3	0.0
	MO-7W1	0.0
	MO-7W2	0.0
	DD-N	0.0
	DD-S	0.0
Soil Pile No. 1	SP-1 (N&W)	0.0
	SP-2 (E&S)	0.0
Soil Pile No. 2	SP-3 (N&W)	0.0
	SP-4 (E&S)	0.0

* These results are qualitative only and do not represent the absolute concentrations of any volatile organic compound in the soil core, whether the compound is natural or man-made.

Table 2. Summary of PCB Concentrations in Surficial Soil, Marchetto Property, Newell Street, Pittsfield, Massachusetts

Sampling Location No.	Date Collected	Total PCBs (mg/kg)
MO-3	5-10-88	91
MO-4	5-10-88	23
MO-5	5-10-88	65
MO-6	3-16-89	44
MO-7	3-16-89	27
MO-8	3-16-89	3.6
MO-9	3-16-89	14
MO-10	3-16-89	7.4
MO-11	3-16-89	12
MO-3N1	10-5-90	42.3
MO-3N2	10-5-90	22.8
MO-3N3	10-5-90	19.4
MO-3N4	11-15-90	0.93
MO-3S1	10-5-90	7.3
MO-3E1	10-5-90	12.1
MO-3W1	10-23-90	16.6
MO-3W2	10-23-90	0.11
MO-4N1	10-5-90	14.4
MO-4S1	10-5-90	5.2
MO-4E1	10-5-90	39.2
MO-4E2	10-5-90	80.5
MO-4E3	10-5-90	145.2
MO-4E4	11-15-90	52.1
MO-4W1	10-5-90	3.7

Table 2. Summary of PCB Concentrations in Surficial Soil, Marchetto Property, Newell Street, Pittsfield, Massachusetts

	Sampling Location No.	Date Collected	Total PCBs (mg/kg)
	MO-5N1	10-5-90	7.4
	MO-5N2	10-5-90	42.6
	MO-5S1	10-5-90	3.1
	MO-5E1	10-23-90	3.4
	MO-5W1	10-5-90	13.4
	DP-2	10-5-90	20.0
	MO-6N1	10-5-90	43.5
	MO-6N2	10-5-90	56.2
	MO-6N3	10-23-90	207.7
	MO-6S1	10-5-90	27
	MO-6E1	10-5-90	32.2
	MO-6E2	10-5-90	47.3
	MO-6E3	10-5-90	19.4
	MO-6W1	10-5-90	65.6
	MO-6W2	10-5-90	19.2
	MO-7Nl	10-5-90	96
	MO-7N2	10-5-90	27.7
	MO-7N3	10-5-90	14.8
	MO-7S1	10-5-90	10.7
	MO-7E1	10-5-90	15.6
	MO-7W1	10-5-90	18.7
	DD-N	11-15-90	91
	DD-S	11-15-90	83
Soil Pile No. 1	SP-1(N&W)	11-15-90	3.3
	SP-2(E&S)	11-15-90	5.7
Soil Pile No. 2	SP-3(N&W)	11-15-90	0.4
	SP-4(E&S)	11-15-90	0.56

Table 3. Sample Collection Report for Newell Street Marchetto Property, Pittsfield, Massachusetts

Field Sample ID	Laboratory Sample ID	Sample Analysis	Sample Matrix	Sampling Date	Sampling Equipment	Sample Container	Field Filtration	Sample Preservation	Samplers Initials
MO-3N1	901008A 46	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-3N2	901008A 47	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-3N3	901008A 48	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-3N4	901115T 08	PCBs (EPA 8080)	Soil	11-15-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-3S1	901008A 44	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-3S2	901008A 45	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-3S3	901008A 49	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-3E1	901008A 41	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-3E2	901008A 42	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-3E3	901008A 43	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-3W1	901024H 01	PCBs (EPA 8080)	Soil	10-23-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	WJG
MO-3W2	901024H 02	PCBs (EPA 8080)	Soil	10-23-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	WJG
MO-4N1	901008A 13	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4N1	901024H 03	VOCs (EPA 8240)	Soil	10-23-90	Hand-trowel	125 ml glass	N/A	Cool, 4°C	WJG
MO-4N2	901008A 14	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4N3	901008A 15	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4S1	901008A 22	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4S2	901008A 23	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL

N/A: Field filtration not applicable to soil samples.

Table 3. Sample Collection Report for Newell Street Marchetto Property, Pittsfield, Massachusetts

Field Sample ID	Laboratory Sample ID	Sample Analysis	Sample Matrix	Sampling Date	Sampling Equipment	Sample Container	Field Filtration	Sample Preservation	Samplers Initials
MO-4S3	901008A 24	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4E1	901008A 16	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4E2	901008A 17	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4E3	901008A 18	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4E4	901115T 07	PCBs (EPA 8080)	Soil	11-15-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4W1	901008A 19	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4W2	901008A 20	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-4W3	901008A 21	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
DP-1	901008A 09	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-5N1	901008A 31	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-5N2	901008A 32	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-5S1	901008A 25	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-5S2	901008A 26	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-5S3	901008A 27	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-5E1	901024H 04	PCBs (EPA 8080)	Soil	10-23-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	WJG
MO-5W1	901008A 28	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
DP-2	901008A 30	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-5W2	901008A 29	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL

N/A: Field filtration not applicable to soil samples.

Table 3. Sample Collection Report for Newell Street Marchetto Property, Pittsfield, Massachusetts

Field Sample ID	Laboratory Sample ID	Sample Analysis	Sample Matrix	Sampling Date	Sampling Equipment	Sample Container	Field Filtration	Sample Preservation	Samplers Initials
MO-6N1	901008A 39	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL.
MO-6N2	901008A 40	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-6N3	9010248 05	PCBs (EPA 8080)	Soil	10-23-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	WJG
MO-6S1	901008A 33	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-6E1	901008A 37	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL.
MO-6E2	901008A 38	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-6E3	901008A 36	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-6W1	901008A 34	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-6W1	901024H 06	VOCs (EPA 8240)	Soil	10-23-90	Hand-trowel	125 ml glass	N/A	Cool, 4°C	WJG
MO-6W2	901008A 35	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-7N1	901008A 01	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-7N2	901008A 02	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-7N3	901008A 03	VOCs (EPA 8240)	Soil	10-23-90	Hand-trowel	125 ml glass	N/A	Cool, 4°C	WJG
MO-7N3	9010248 07	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-7S1	901008A 04	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-7S2	901008A 05	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-7S3	901008A 06	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-7E1	901008A 10	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL

N/A: Field filtration not applicable to soil samples.

Table 3. Sample Collection Report for Newell Street Marchetto Property, Pittsfield, Massachusetts

Field Sample ID	Laboratory Sample ID	Sample Analysis	Sample Matrix	Sampling Date	Sampling Equipment	Sample Container	Field Filtration	Sample Preservation	Samplers Initials
MO-7E2	901008A 11	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-7E3	901008A 12	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-7W1	901008A 07	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
MO-7W2	901008A 08	PCBs (EPA 8080)	Soil	10-5-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
DD-N	901115T 01	PCBs (EPA 8080)	Soil	11-15-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
DD-S	901115T 02	PCBs (EPA 8080)	Soil	11-15-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
SP-1 (N&W)	901115T 03	PCBs (EPA 8080)	Soil	11-15-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
SP-2 (E&S)	901115T 04	PCBs (EPA 8080)	Soil	11-15-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
SP-3 (N&W)	901115T 05	PCBs (EPA 8080)	Soil	11-15-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL
SP-4 (E&S)	901115T 06	PCBs (EPA 8080)	Soil	11-15-90	Hand-trowel	250 ml glass	N/A	Cool, 4°C	ATL

N/A: Field filtration not applicable to soil samples.

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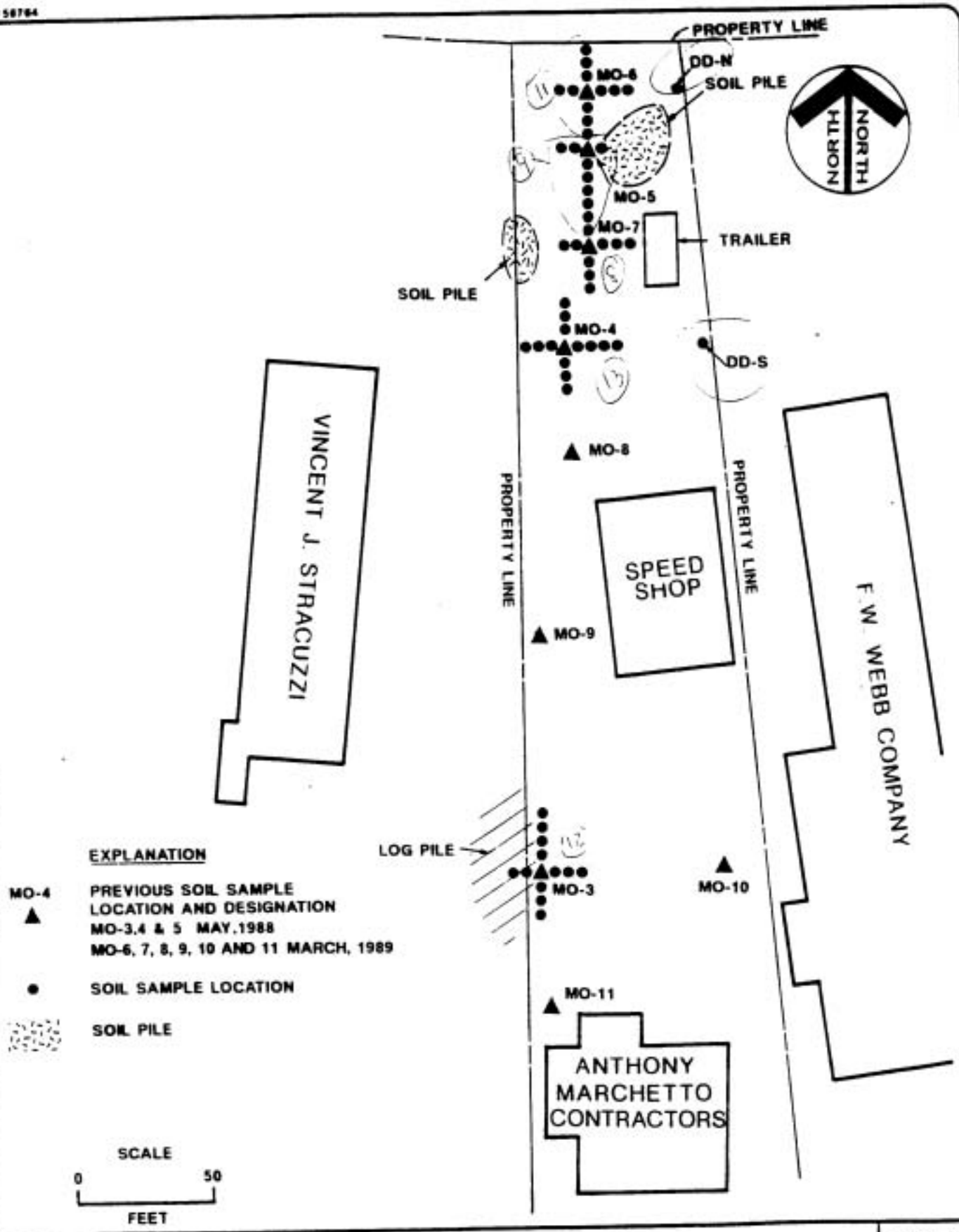


DRAFTER: R. FAULK
MGR.: B. GRAY
COMPILER: A. LABARGE
CAD FILE: NON-CAD
FILE NO.:
PRJCT. NO.: AY03402
DATE: 10/90

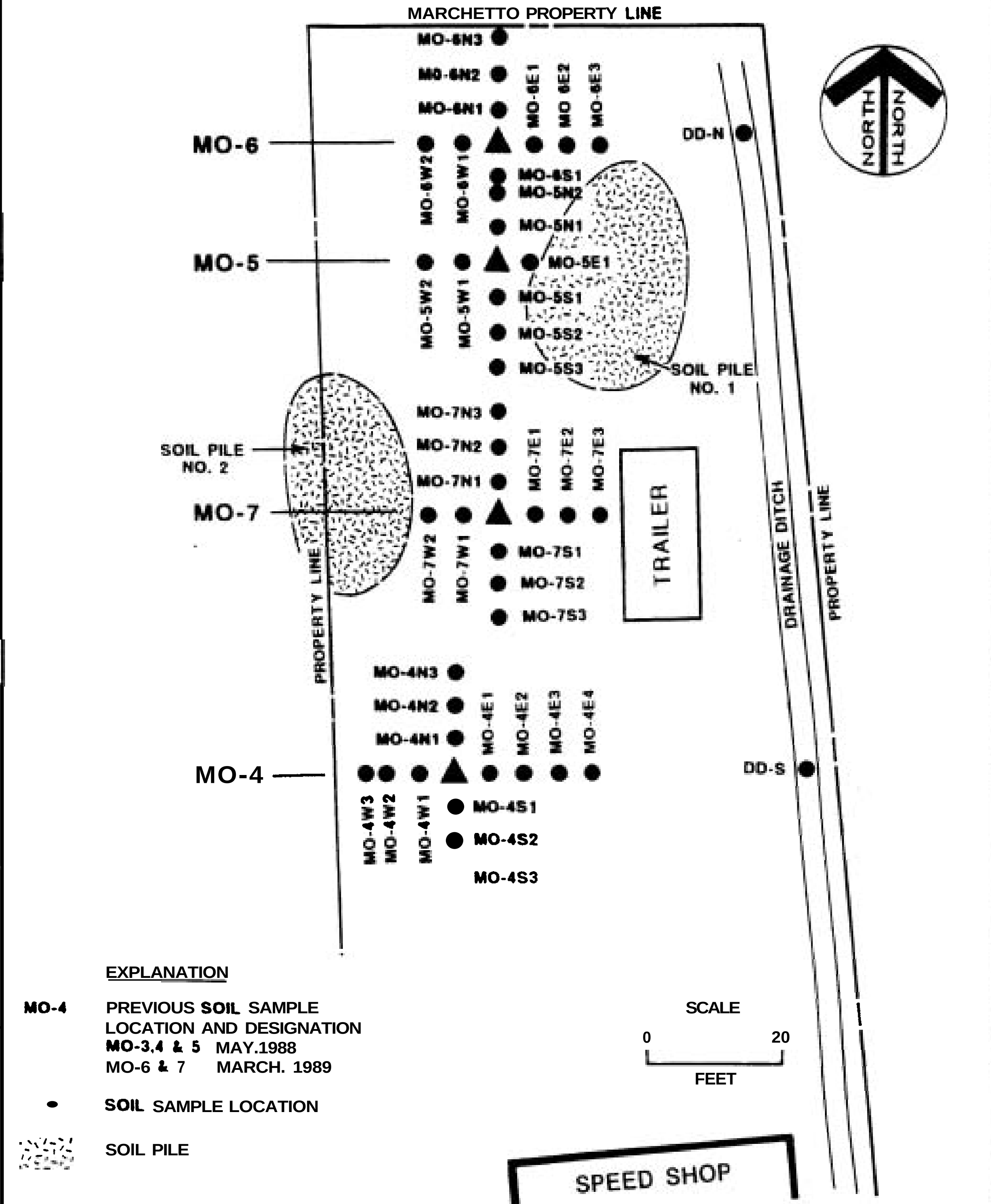
SCALE SHOWN

GERAGHTY & MILLER, INC.
Environmental Services

SURFICIAL SOIL SAMPLING LOCATIONS, NEWELL STREET MARCHETTO PROPERTY, October 5 and 23, 1990, Pittsfield, Massachusetts

FIGURE
1

156764



DRAFTER: R. FALK | MGR.: B. GRAY | COMP: A. 4 | CAD FL: NON-CAD | PRJG. NO.: AY03402 | DATE: 10/90

SCALE
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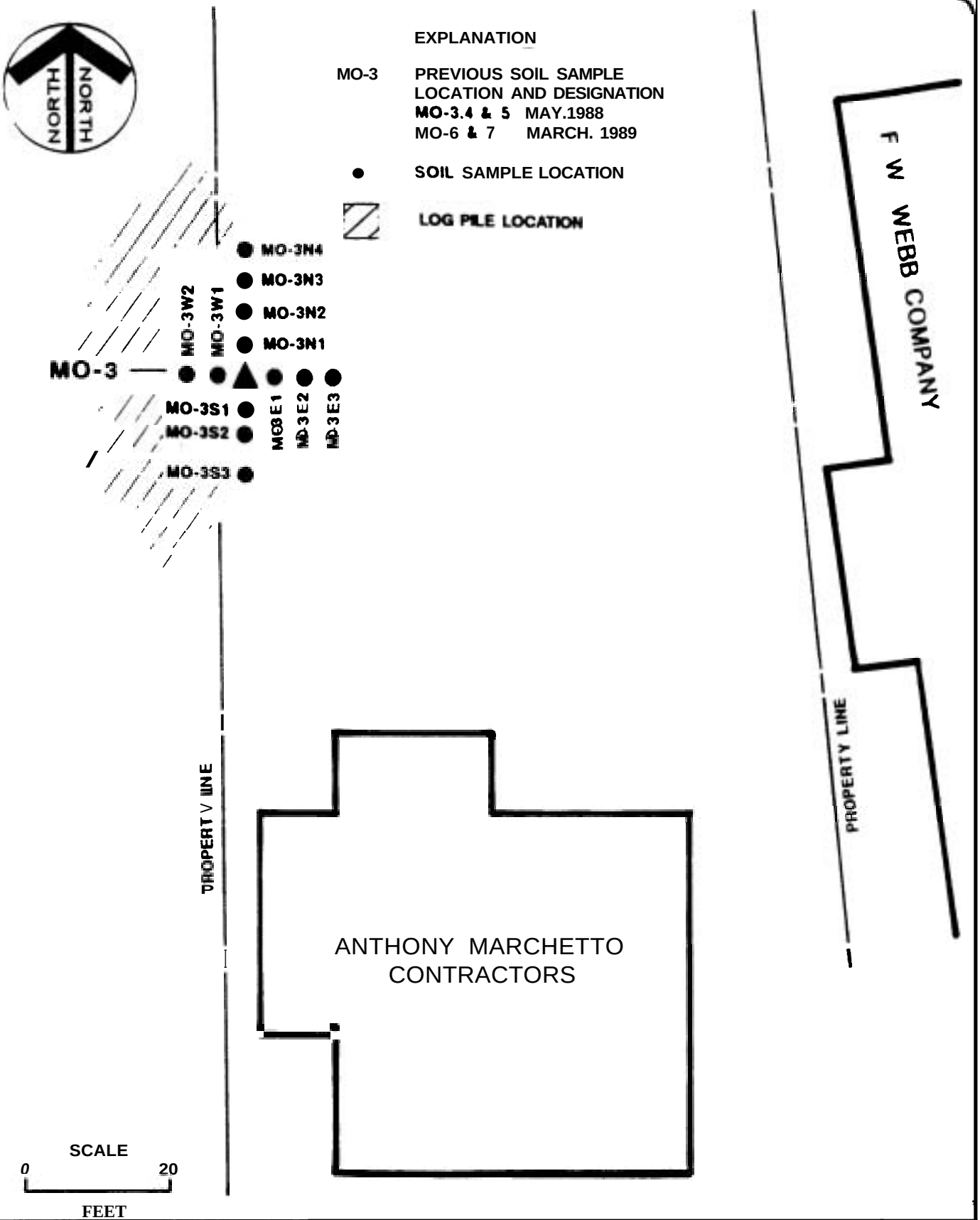
GERAGHTY & MILLER, INC.
Services

SURFICIAL SOIL SAMPLING LOCATIONS ADJACENT TO MO-4, MO-5, MO-6 AND MO-7, NEWELL STREET MARCHETTO PROPERTY. October 5 and 23, 1990, Pittsfield, Massachusetts

FIGURE 2



DRAFTER: R. FAULK
MGR. B. GRAY
COMPILER: A. LABORGE
CAD FILE: FON-CAD
FILE NO:
PRJCT. #: AY03402
DATE: 10/90

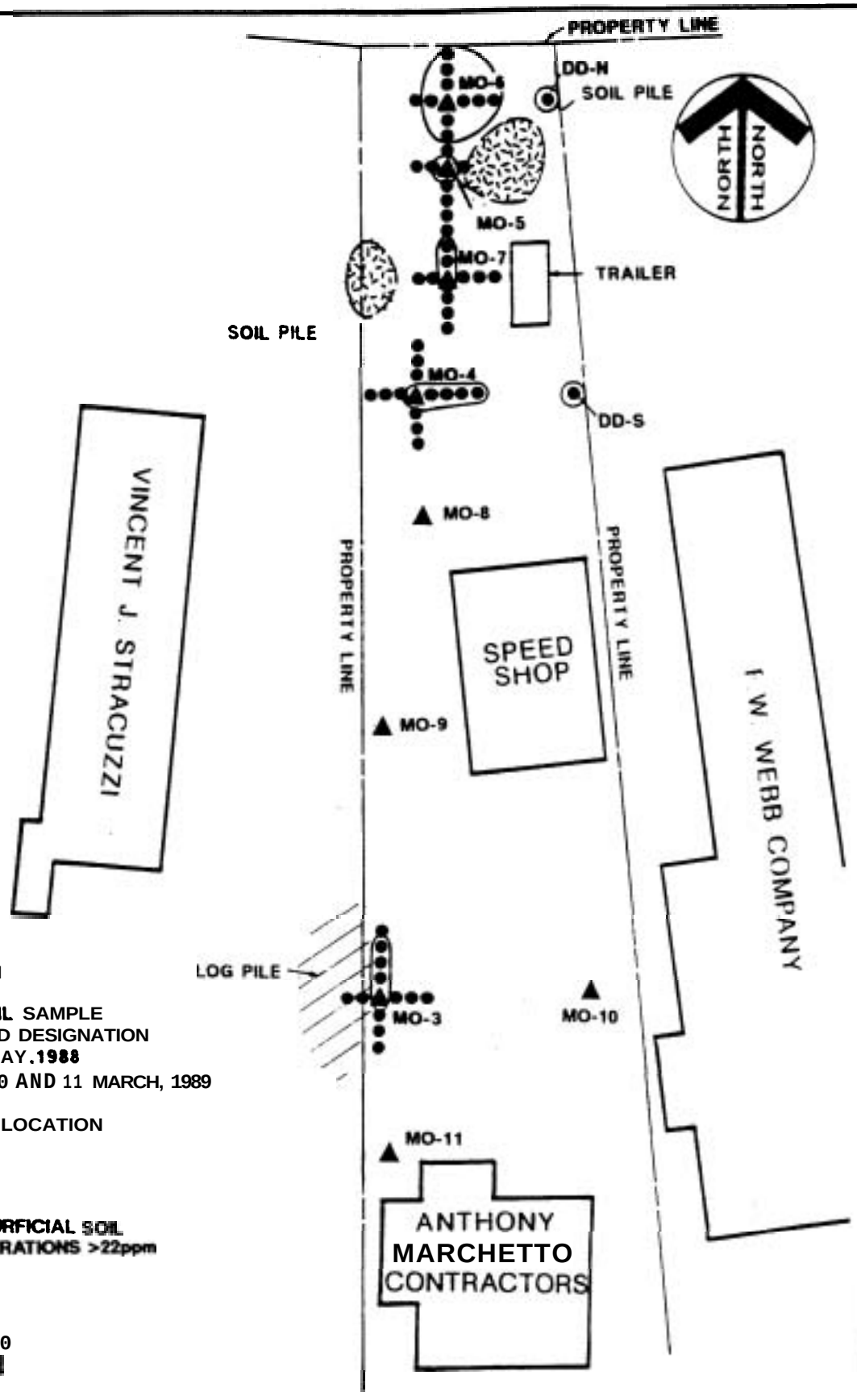
SCALE
SHOWN

GERAGHTY & MILLER, INC.
Environmental Services

SURFICIAL SOIL SAMPLING LOCATION ADJACENT TO MO-3, NEWELL STREET MARCHETTO PROPERTY, October 5 and 23, 1990, Pittsfield, Massachusetts

FIGURE
3

156764



EXPLANATION

MO-4 PREVIOUS SOIL SAMPLE LOCATION AND DESIGNATION
MO-3,4 & 5 MAY,1988
MO-6, 7, 8, 9, 10 AND 11 MARCH, 1989

● SOIL SAMPLE LOCATION

SOIL PILE

AREA WITH SURFICIAL SOIL PCB CONCENTRATIONS >22ppm

SCALE
0 50
FEET

DRAFTER: a FOULK | MGR. B. GRAY | COMPL 4 A. LASSORGE | CAD FL 4 NON-CAD | FILE NO: | PR 4 NO: AY034 | DATE: 10/90

SCALE SHOWN

GERAGHTY & MILLER, INC. Environmental Services

SURFICIAL SOIL LOCATIONS WITH PCB CONCENTRATIONS >22ppm NEWELL STREET MARCHETTO PROPERTY, October 5, 1990, Pittsfield, Massachusetts

RGURE 4

APPENDIX A

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well MO-3 Project/No. AY03402/GE Company Page 1 of 1

Site Location Newell Street Marchetto Property Drilling Started 10-5-90 Drilling Completed 10-5-90

Total Depth Drilled 0.3 feet Hole Diameter 12 inches Type of Sample/ Coring Device Hand-Trowel

Length and Diameter of Coring Device _____ Sampling Interval _____ feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used _____ Drilling Method Hand sampled

Drilling Contractor _____ Driller _____ Helper _____

Prepared By A. LaBarge Hammer Weight _____ Hammer Drop _____ inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	Sample/Core Description
0	0.3			Sand (70%) medium-grain, dark-brown; Gravel (20%) smell, rounded;
				Silt (10%) fine-grain, dark-brown
				Soil from all sample Locations in the MO-3 grid appears as above.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well MO-4 Project/No. AY03402/GE Company Page 1 of 1

Site Location Newell Street Marchetto Property Drilling Started 10-5-90 Drilling Completed 10-5-90

Total Depth Drilled 0.3 feet Hole Diameter 12 inches Type of Sample/ Coring Device Hand-Trowel

Length and Diameter of Coring Device ____ Sampling Interval ____ feet

Land-Surface Elev. ____ feet ☐ Surveyed ☐ Estimated Datum ____

Drilling fluid Used ____ Drilling Method Hand sampled

Drilling Contractor ____ Driller ____ Helper ____

Prepared By A LaBarge Hammer Weight ____ Hammer Drop ____ inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	Sample/Core Description
0	0.3			Sand (SOX) medium-grain, dark-brom; Gravel (30%) small-size, rounded;
				Silt (20%) fine-grain, dark-brow
				MO-4W1 and MO-4W2: Soil as described above to 3 inches. Abrupt change to a
				fine, Light-brow sand (100%) at 3 to 4 inches.
				MO-4W3: Soil as described above, stained black with strong chemical
				(petroleum) odor. Appears as a localized soil contamination, probably from
				changing automobile oil or automobile leaks.
				(Duplicate sample DP-1 taken at MO-4W3)

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well MO-5 Project/No. AY03402/GE Company Page 1 of 1

Site Location Newell Street Marchetto Property Drilling Started 10-5-90 Drilling Completed 10-5-90

Total Depth Drilled 0.3 feet Hole Diameter 12 inches Type of Sample/ Coring Device Hand-Trowel

Length and Diameter of Coring Device _____ Sampling Interval _____ feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used _____ Drilling Method Hand sampled

Drilling Contractor _____ Driller _____ Helper _____

Prepared By A. LaBarge Hammer Weight _____ Hammer Drop _____ inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
0	0.3			Sand (80%) medium-grain, dark-brown; Gravel (20%) small-size, rounded;
				MO-5S1 and MO-5S2, MO-5S3 and MO-5N1: Soil appears as described above to
				0 to 1 inch.Abrupt change to a fine Light-brown sand(100%) from 1 to 4 inches
				Duplicate sample (DP-2) taken at MO-5W1.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well MO-6 Project/No. AY03402/GE Company Page 1 of 1

Site Location Newell Street Marchetto Property Drilling Started 10-5-90 Drilling Completed 10-5-90

Total Depth Drilled 0.3 feet Hole Diameter 12 inches Type of Sample/ Coring Device Hand-Trowel

Length and Diameter of Coring Device _____ Sampling Interval _____ feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used _____ Drilling Method Hand Sampled

Drilling Contractor _____ Driller _____ Helper _____

Prepared By A. LaBarge Hammer Weight _____ Hammer Drop _____ inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
0	0.3			Sand (80%) dim-grain, dark-brown; Gravel (20%) samll-size; rounded.
				MO-6W1 and MO-6W2: Soil as described above (50%) with sheetrock and tree bark
				fragments (50%) mixed in.
				MO-6E1: Soil as described above, with grayer color.
				MO-6N2: Soil as described above from 0 to 3 inches; Abrupt change to
				light-brown, fine-grained sand (100%) from 3 to 4 inches.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well MO-7 Project/No. AY03402/GE Company Page 1 of 1

Site Location Newell Street Marchetto Property Drilling Started 10-5-90 Drilling Completed 10-5-90

Total Depth Drilled 0.3 feet Hole Diameter 12 inches Type of Sample/ Coring Device Hand-Trowel

Length and Diameter of Coring Device _____ Sampling Interval _____ feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used _____ Drilling Method Hand Sampled

Drilling Contractor _____ Driller _____ Helper _____

Prepared By A. LaBarge Hammer Weight _____ Hammer Drop _____ inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
0	0.3			Sand (70%) medium-grain, dark-brown; Gravel (20%) small-size; rounded.
				Silt (10%) mediun-grain, dark-brom.
				MO-7S1: Soil as described above, stained black frcm 3 to 4 inches,
				petroleum odor.
				MO-7E2: Soil as described above from 0 to 2 inches. Abrupt change to
				light-brom, fine-grained sand (100%) from 2 to 4 inches.
				MO-7N3: Soil as described above (70%) uith cardboard pieces (30%) mixed in.
				Petroleum odor.

APPENDIX B

CTM ANALYTICAL LABS, LTD.
15 Century Hill Dr.
Latham, NY 12110
Phone: (518)786-7100 Fax: (518)786-7139

Laboratory Analysis Report

Prepared for: GERAGHTY & MILLER, INC.
Project Number: 90.00426
Task Number: 901008A
09 NOV 1990

PLEASE NOTE

1. All results are calculated a a dry weight basis unless otherwise specified.
2. Reporting Limits for volatile and semivolatile organic compounds are expressed as Practical Quantitation Limits.

CERTIFICATIONS:

NYS ELAP ID NO: 10358 MA: NY052 CT: PH-0551
NJ: 73581 PA: 68-402 NH: 199014-C

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Tire: 00:00
Sampled By : As LABARGE
Sample Id: MD-7NI
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 01
Date Received: 10/05/90
Collection kthod: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	(4,480	MCG/KG	GC 3A:120 10/16
PCB1221	SW-846 METHOD 8080	<4,480	MCG/KG	GC 3A:120 10/16
PCB1232	SW-846 METHOD 8080	<4,480	MCG/KG	GC 3A:120 10/16
PCB1242	SW-846 METHOD 8080	<4,480	MCG/KG	GC 3A:120 10/16
PCB1248	SW-846 METHOD 8080	<4,480	MCG/KG	GC 3A:120 10/16
PCB1254	SW-846 METHOD 8080	24,700	MCG/KG	GC 3A:120 10/16
PCB1260	SW-846 METHOD 8080	71,300	MCG/KG	GC 3A:120 10/16
% SOLIDS	STD. METH. 15TH ED.209A	90	%	BT 10/19

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & HILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426
CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10105190 Tire: 00:00
Sampled By : A. LABARGE
Sample Id: MD-7M2
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 02
Date Received: 10105190
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC/RK 10118
PCB1016	SW-846 METHOD 8080	<918	MCG/KG	GC3 A: 130 10123
PCB1221	SW-846 METHOD 8080	(918	MCG/KG	GC3 A: 130 10123
PCB1232	SW-846 METHOD 8080	(918	MCG/KG	GC3 A: 130 10123
PCB1242	SW-846 METHOD 8080	<918	MCG/KG	GC3 A: 130 10/23
PCB1248	SW-846 METHOD 8080	<918	MCG/KG	GC3 A: 130 10123
PCB1254	SW-846 METHOD 8080	4,780	MCG/KG	GC3 A: 130 10123
PCB1260	SW-846 METHOD 8080	22,900	MCG/KG	GC3 A:130 10123
X SOLIDS	STD. METH. 15TH ED.209A	89	X	BT 10119

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY003402
Date Sampled: 10105190 Tire: 00:00
Sampled By : A. LABARGE
Sample Id: MD-7MS
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 03
Date Received: 10109190
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10125
PCB1016	SW-846 METHOD 8080	<917	MCG/KG	GC 3A:150 11/6
PCB1221	SW-846 METHOD 8080	<917	MCG/KG	GC 3A:150 11/6
PCB1232	SW-846 METHOD 8080	(917	MCG/KG	GC 3A:150 1116
PCB1242	SW-846 METHOD 8080	<917	MCG/KG	GC 3A:150 11/6
PCB1248	SW-846 METHOD 8080	<917	MCG/KG	GC 3A:150 11/6
PCB1254	SW-846 METHOD 8080	5,070	MCG/KG	GC 3A:150 1116
PCB1260	SW-846 METHOD 8080	9,700	MCG/KG	GC 3A:150 1116
% SOLIDS	STD. METH. 15TH ED.209A	88	%	CC 11/1

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 9010088

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A LABARGE
Sample Id: MO-7S1
Location : GE, PITTSFIELD, MA

CTM Sample No: 9010088 04
Date Received: 10/05/90
Collection Method:
ktrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXIRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	<900	MCG/KG	GC 3A:118 10/16
PCB1221	SW-846 METHOD 8080	<900	MCG/KG	€4 3A:118 10/16
PCB1232	SW-846 METHOD 8080	<900	MCG/KG	GC 3A:118 10/16
PCB1242	SW-846 METHOD 8080	<900	MCG/KG	GC 3A:118 10/16
PCB1248	SW-846 METHOD 8080	<900	MCG/KG	GC 3A:118 10/16
PCB1254	SW-846 METHOD 8080	1,804	MCG/KG	GC 3A:118 10116
PCB1260	SW-846 METHOD 8080	8,890	MCG/KG	GC 3A:118 10/16
% SOLIDS	STD. METH. 15TH ED.209A	92	%	BT 10118

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT I: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10105190 tire: 00:00
Sampled By : A.
Sample Id: MD-7M1
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 07
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 101_{10}
PCB1016	SW-846 METHOD 8080	<890	MCG/KG	GC 3:118 10/16
PCB1221	SW-846 METHOD 8080	<890	MCG/KG	GC 3A:118 10/16
PCB1232	SW-846 METHOD 8080	<890	MCG/KG	GC 3A:118 10/16
PCB1242	SW-846 METHOD 8080	<890	MCG/KG	GC 3A:118 10/16
PCB1248	SW-846 METHOD 8080	<890	MCG/KG	GC 3A:118 10/16
PCB1254	SW-846 METHOD 8080	4,580	MCG/KG	GC 3A:118 10/16
PCB1260	SW-846 METHOD 8080	14,100	MCG/KG	GC 3:118 10/16
% SOLIDS	STD. METH. 15TH ED.209A	90	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MD-7E1
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 10
Date Received: 10105190
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	<908	MCG/KG	GC 3A:119 10116
PCB1221	SW-846 METHOD 8080	<908	MCG/KG	GC 3A:119 10116
PCB1232	SW-846 METHOD 8080	<908	MCG/KG	GC 3A:119 10116
PCB1242	SW-846 METHOD 8080	<908	MCG/KG	GC 3A:119 10/16
PCB1248	SW-846 METHOD 8080	<908	MCG/KG	GC 3A:119 10116
PCB1254	SW-846 METHOD 8080	3,390	MCG/KG	GC 3A:119 10116
PCB1260	SW-846 METHOD 8080	12,200	MCG/KG	GC 3A:119 10116
% SOLIDS	STD. METH. 15TH ED.209A	88	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

SERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10105190 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MC-4N1
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 13
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	<865	MCG/KG	GC 3A:119 10/16
PCB1221	SW-846 METHOD 8080	<865	MCG/KG	GC 3:119 10116
PCB1232	SW-846 METHOD 8080	<865	MCG/KG	GC 3A:119 10/16
PCB1242	SW-846 METHOD 8080	<865	MCG/KG	GC 3A:119 10116
PCB1248	SW-846 METHOD 8080	<865	MCG/KG	GC 3:119 10116
PCB1254	SW-846 METHOD 8080	5,220	MCG/KG	GC 3:119 10/16
PCB1260	SW-846 METHOD 8080	9,130	MCG/KG	GC 3:119 10116
% SOLIDS	STD. METH. 15TH ED.209A	91	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Tire: 00:00
*led By : A. L A M E
Sample Id: MO-4E1
Location : GE, PITTSFIELD, MA

CTM Sample Nr: 901008A 16
Date Received: 10/05/90
Collection Method: GRAB
kkix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	(4,460	MCG/KG	GC 3A:122 10116
PCB1221	SW-846 METHOD 8080	(4,460	MCG/KG	GC 3A:122 10116
PCB1232	SW-846 METHOD 8080	<4,460	MCG/KG	GC 3A:122 10/16
PCB1242	SW-846 METHOD 8080	(4,460	MCG/KG	GC 3A:122 10/16
PCB1248	SW-846 METHOD 8080	<4,460	MCG/KG	GC 3A:122 10/16
PCB1254	SW-846 METHOD 8080	8,830	MCG/KG	GC 3A:122 10/16
PCB1260	SW-846 METHOD 8080	30,400	MCG/KG	GC 3A:122 10116
% SOLIDS	STD. METH. 15TH ED.209A	91	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10105190 Time: 00:00
Sampled By : A. LABARGE
Sample id: MU-4E2
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 17
Date Received: 10/05/90
Collection Method: GRAB
htrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		KIRK 10118
PCB1016	SW-846 METHOD 8080	<9,003	MCG/KG	GC3 A:130 10/23
PCB1221	SW-846 METHOD 8080	*(9,003*	MCG/KG	GC3 A:130 10123
PCB1232	SW-846 METHOD 8080	*(9,003*	MCG/KG	GC3 A:130 10123
PCB1242	SW-846 METHOD 8080	<9,000	MCG/KG	GC3 A:130 10123
PCB1248	SW-846 METHOD 8080	<9,000	MCG/KG	GC3 A:130 10123
PCB1254	SW-846 METHOD 8080	14,500	MCG/KG	GC3 A:130 10/23
PCB1260	SW-846 METHOD 8080	*66,000*	MCG/KG	GC3 A:130 10123
% SOLIDS	STD. METH. 15TH ED.209A	92	%	BT 10/19

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT It 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Tire: 00:00
Sampled By : A. LABARGE
Sample Id: MO-4E3
Location : GE. PITTSFIELD. MA

CTM Sample No: 901008A 18
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10125
PCB1016	SW-846 METHOD 8080	(4,570	MCG/KG	GC 3A:149 11/6
PCB1221	SW-846 METHOD 8080	(4,570	MCG/KG	GC 3A:149 11/6
PCB1232	SW-846 METHOD 8080	<4,570	MCG/KG	GC 3A:149 1116
PCB1242	SW-846 METHOD 8080	(4,570	MCG/KG	GC 3A:149 11/6
PCB1248	SW-846 METHOD 8080	(4,570	MCG/KG	GC 3A:149 11/6
PCB1254	SW-846 METHOD 8080	18,200	MCG/KG	GC 3A:149 1116
PCB1260	SW-846 METHOD 8080	127,000	MCG/KG	GC 3A:149 11/6
% SOLIDS	STD. METH. 15TH ED.209A	91	%	CC 1111

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample Id: 140-1111
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 19
Date Received: 10/05/90
Collection Method: GRAB
kkix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	<901	MCG/KG	GC JA:119 10116
PCB1221	SW-846 METHOD 8080	<901	MCG/KG	GC JA:119 10/16
PCB1232	SW-846 METHOD 8080	<901	MCG/KG	GC JA:119 10/16
PCB1242	SW-846 METHOD 8080	<901	MCG/KG	GC JA:119 10116
PCB1248	SW-846 METHOD 8080	<901	MCG/KG	GC JA:119 10116
PCB1254	SW-846 METHOD 8080	3,060	MCG/KG	GC JA:119 10116
PCB1260	SW-846 METHOD 8080	641	MCG/KG	GC JA:119 10/16
% SOLIDS	STD. METH. 15TH ED.209A	90	%	BT 10118

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10105190 Time: 00:00
Sampled By : A LABARGE
Sample Id: MD-451
Location : GE, PITTSFIELD, MA

CTM Sample No: 90100811 22
Date Received: 10/05/90
Collection kthod: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/10
PCB1016	SW-846 METHOD 8080	<448	MCG/KG	GC 3A:120 10/16
PCB1221	SW-846 METHOD 8080	<448	MCG/KG	GC 3A:120 10/16
PCB1232	SW-846 METHOD 8080	<448	MCG/KG	GC 3A:120 10116
PCB1242	SW-846 METHOD 8080	<448	MCG/KG	GC 3A:120 10/16
PCB1248	SW-846 METHOD 8080	<448	MCG/KG	GC 3A:120 10116
PCB1254	SW-846 METHOD 8080	927	MCG/KG	GC 3A:120 10/16
PCB1260	SW-846 METHOD 8080	4,260	MCG/KG	GC 3A:120 10116
% SOLIDS	STD. METH. 15TH ED.209A	92	%	BT 10119

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MW-551
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 25
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/10
PCB1016	SW-846 METHOD 8080	(474	MCG/KG	GC 3A:120 10116
PCB1221	SW-846 METHOD 8080	<474	MCG/KG	GC 3A:120 10116
PCB1232	SW-846 METHOD 8080	(474	MCG/KG	GC 3A:120 10116
PCB1242	SW-846 METHOD 8080	(474	MCG/KG	GC 3A:120 10116
PCB1248	SW-846 METHOD 8080	(474	MCG/KG	GC 3A:120 10/16
PCB1254	SW-846 METHOD 8080	920	MCG/KG	GC 3A:120 10/16
PCB1260	SW-846 METHOD 8080	2,190	MCG/KG	GC 3A:120 10116
% SOLIDS	STD. METH. 15TH ED.209A	86	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

JERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BIU GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MD-SWL
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 28
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	<925	MCG/KG	GC 3A:120 10/16
PCB1221	SW-846 METHOD 8080	(925	MCG/KG	GC 3A:120 10/16
PCB1232	SW-846 METHOD 8080	<925	MCG/KG	GC 3A:120 10/16
PCB1242	SW-846 METHOD 8080	(925	MCG/KG	GC 3A:120 10/16
PCB1248	SW-846 METHOD 8080	<925	MCG/KG	GC 3:120 10/16
PCB1254	SW-846 METHOD 8080	4,550	MCG/KG	GC 3A:120 10116
PCB1260	SW-846 METHOD 8080	8,850	MCG/KG	GC 3A:120 10/16
% SOLIDS	STD. METH. 15TH ED.209A	90	Z	BT 10/19

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
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09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY033402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample Id: DP-2
Location : GE, PITTSFIELD, MA

CTM Sample Not 901008A 30
Date Received: 10105190

Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
tITRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	<917	MCG/KG	GC 3A:116 10116
PCB1221	SW-846 METHOD 8080	(917	MCG/KG	GC 3A:116 10/16
PCB1242	SW-846 METHOD 8080	(917	MCG/KG	GC 3A:116 10116
PCB1248	SW-846 METHOD 8080	<917	MCG/KG	GC 3A:116 10/16
PCB1254	SW-846 METHOD 8080	6,390	MCG/KG	GC 3A:116 10/16
PCB1260	SW-846 METHOD 8080	13,900	MCG/KG	GC 3A:116 10/16
% SOLIDS	STD. METH. 15TH ED.209A	90	%	BT 10/19

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
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09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MD-SN1
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 31
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/10
PCB1016	SW-846 METHOD 8080	<508	MCG/KG	GC 3A:116 10/16
PCB1221	SW-846 METHOD 8080	<508	MCG/KG	GC 3A:116 10/16
PCB1232	SW-846 METHOD 8080	<508	MCG/KG	GC 3A:116 10/16
PCB1242	SW-846 METHOD 8080	<508	MCG/KG	GC 3A:116 10/16
PCB1248	SW-846 METHOD 8080	<508	MCG/KG	GC 3A:116 10/16
PCB1254	SW-846 METHOD 8080	2,290	MCG/KG	GC 3A:116 10/16
PCB1260	SW-846 METHOD 8080	5,090	MCG/KG	GC 3A:116 10116
% SOLIDS	STD. METH. 15TH ED.209A	82	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task t: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample id: MW-5N2
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 32
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC/RK 10118
PCB1016	SW-846 METHOD 8080	<989	MCG/KG	GC3 A:130 10/23
PCB1221	SW-846 METHOD 8080	<989	MCG/KG	GC3 A:130 10/23
PCB1232	SW-846 METHOD 8080	<989	MCG/KG	GC3 A: 130 10/23
PCB1242	SW-846 METHOD 8080	<989	MCG/KG	GC3 A: 130 10/23
PCB1248	SW-846 METHOD 8080	<989	MCG/KG	GC3 A: 130 10123
PCB1254	SW-846 METHOD 8080	24,700	MCG/KG	GC3 A:130 10123
PCB1260	SW-846 METHOD 8080	17,900	MCG/KG	GC3 A: 130 10123
% SOLIDS	STD. METH. 15TH ED.209A	84	%	BT 10119

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
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09 NOV 1990

GERAGHTY & HILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task I: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10105190 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MO-6S1
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 33
Date Received: 10105190
Collection hthod: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		halyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	<958	MCG/KG	GC 3A:116 10116
PCB1221	SW-846 METHOD 8080	<958	MCG/KG	GC 3A:116 10116
PCB1232	SW-846 METHOD 8080	<958	MCG/KG	GC 3A:116 10/16
PCB1242	SW-846 METHOD 8080	<958	MCG/KG	GC 3A:116 10/16
PCB1248	SW-846 METHOD 8080	<958	MCG/KG	GC 3A:116 10/16
PCB1254	SW-846 METHOD 8080	9,760	MCG/KG	GC 3A:116 10/16
PCB1260	SW-846 METHOD 8080	17,300	MCG/KG	GC 3A:116 10/16
% SOLIDS	STD. METH. 15TH ED.209A	86	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
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09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT 1: 90.00426

CTM Task 1: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10105190 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MD-6MI
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 34
Date Received: 10105190
Collection Method: GRAB
ktrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	(5,050	MCG/KG	GC 3:117 10116
PCB1221	SW-846 METHOD 8080	(5,050	MCG/KG	GC 3:117 10116
PCB1232	SW-846 METHOD 8080	(5,050	MCG/KG	GC 3A:117 10116
PCB1242	SW-846 METHOD 8080	<5,050	MCG/KG	GC 3A:117 10/16
PCB1248	SW-846 METHOD 8080	<5,050	MCG/KG	GC 3A:117 10116
PCB1254	SW-846 METHOD 8080	30,500	MCG/KG	GC 3:117 10116
PCB1260	SW-846 METHOD 8080	35,100	MCG/KG	GC 3A:117 10116
% SOLIDS	STD. METH. 15TH ED.209A	81	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & MILLER, INC.

CTM PROJECT #: 90.00426

24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Tire: 00:00
Sampled By : A. LABARGE
Sample Id: MD-6M2
Location : SE, PITTSFIELD, MA

CTM Sample No: 901008A 35
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC/RK 10/18
PCB1016	SW-846 METHOD 8080	<940	MCG/KG	GC3 A:130 10/23
PCB1221	SW-846 METHOD 8080	<940	MCG/KG	GC3 A:130 10/23
PCB1232	SW-846 METHOD 8080	<940	MCG/KG	GC3 A:130 10/23
PCB1242	SW-846 METHOD 8080	<940	MCG/KG	GC3 A:130 10/23
PCB1248	SW-846 METHOD 8080	<940	MCG/KG	GC3 A:130 10/23
PCB1254	SW-846 METHOD 8080	8,960	MCG/KG	GC3 A:130 10/23
PCB1260	SW-846 METHOD 8080	10,200	MCG/KG	GC3 A:130 10/23
% SOLIDS	STD. METH. 15TH ED.209A	87	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY003402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MO-6E3
Location : GE, PITTSFIELD,

CTM Sample No: 901008A 36
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/25
PCB1016	SW-846 METHOD 8080	<993	MCG/KG	GC 3A:150 1116
PCB1221	SW-846 METHOD 8080	<993	MCG/KG	GC 3A:150 1116
PCB1232	SW-846 METHOD 8080	<993	MCG/KG	GC 3A:150 1116
PCB1242	SW-846 METHOD 8080	<993	MCG/KG	GC 3A:150 11/6
PCB1248	SW-846 METHOD 8080	<993	MCG/KG	GC 3A:150 11/6
PCB1254	SW-846 METHOD 8080	6,970	MCG/KG	GC 3A:150 11/6
PCB1260	SW-846 METHOD 8080	12,400	MCG/KG	GC 3A:150 11/6
% SOLIDS	STD. METH. 15TH ED.209A	84	%	CC 11/1

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task I: 901008A

Attention; MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample ID: MD-6E1
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 37
Date Received: 10/05/90

Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/10
PCB1016	SW-846 METHOD 8080	<4,860	MCG/KG	GC JA:117 10/16
PCB1221	SW-846 METHOD 8080	<4,860	MCG/KG	GC JA:117 10/16
PCB1232	SW-846 METHOD 8080	<4,860	MCG/KG	GC JA:117 10/16
PCB1242	SW-846 METHOD 8080	<4,860	MCG/KG	GC JA:117 10/16
PCB1248	SW-846 METHOD 8080	<4,860	MCG/KG	GC JA:117 10/16
PCB1254	SW-846 METHOD 8080	8,020	MCG/KG	GC JA:117 10/16
PCB1260	SW-846 METHOD 8080	24,200	MCG/KG	GC JA:117 10/16
% SOLIDS	STD. METH. 15TH ED.209A	85	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS,LTD
Laboratory Analysts Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MD-6E2
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 38
Date Received: 10105190
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC/RK 10/18
PCB1016	SW-846 METHOD 8080	<976	MCG/KG	GC3 A: 130 10123
PCB1221	SW-846 METHOD 8080	<976	MCG/KG	GC3 A: 130 10123
PCB1232	SW-846 METHOD 8080	(976	MCG/KG	GC3 A: 130 10123
PCB1242	SW-846 METHOD 8080	<976	MCG/KG	GC3 A:130 10123
PCB1248	SW-846 METHOD 8080	<976	MCG/KG	GC3 A: 130 10123
PCB1254	SW-846 METHOD 8080	6.860	MCG/KG	GC3 A: 130 10/23
PCB1260	SW-846 METHOD 8080	40,400	MCG/KG	GC3 A:130 10/23
% SOLIDS	STD. METH. 15TH ED.209A	84	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By: A. LABARGE
Sample Id: MD-GW1
Location : SE, PITTSFIELD, MA

CTM Sample Not 901008A 39
Date Received: 10/05/90

Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/10
PCB1016	SW-846 METHOD 8080	<4,930	MCG/KG	GC JA:117 10/16
PCB1221	SW-846 METHOD 8080	<4,930	MCG/KG	GC JA:117 10/16
PCB1232	SW-846 METHOD 8080	<4,930	MCG/KG	GC JA:117 10/16
PCB1242	SW-846 METHOD 8080	<4,930	MCG/KG	GC JA:117 10/16
PCB1248	SW-846 METHOD 8080	<4,930	MCG/KG	GC JA:117 10/16
PCB1254	SW-846 METHOD 8080	29,100	MCG/KG	GC JA:117 10/16
PCB1260	SW-846 METHOD 8080	14,400	MCG/KG	GC JA:117 10/16
% SOLIDS	STD. METH. 15TH ED.209A	84	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task 1: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A LABARGE
Sample Id: MD-6NZ
Location : GE, PITTSFIELD, MA

CTM Sample Nor 901008A 40
Date Received: 10105190
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC/RK 10/18
PCB1016	SW-846 METHOD 8080	(9,405	MCG/KG	GC3 A: 130 10123
PCB1221	SW-846 METHOD 8080	(9,405	MCG/KG	GC3 A: 130 10123
PCB1232	SW-846 METHOD 8080	<9,405	MCG/KG	GC3 A: 130 10123
PCB1242	SW-846 METHOD 8080	<9,405	MCG/KG	GC3 A: 130 10123
PCB1248	SW-846 METHOD 8080	<9,405	MCG/KG	GC3 A: 130 10123
PCB1254	SW-846 METHOD 8080	20,700	MCG/KG	GC3 A:130 10/23
PCB1260	SW-846 METHOD 8080	35,500	MCG/KG	GC3 A:130 10123
% SOLIDS	STD. METH. 15TH ED.209A	86	%	BT 10/19

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BIU GRAY

Purchase Order Number: AY03402
Date Sampled: 10108190 Time: 00:00
Sampled By : A LABARGE
Sample Id: MD-3E1
Location : SE, PITTSFIELD, MA

CTM Sample Nr 901008A 41
Date Received: 10105190
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	<907	MCG/KG	GC 3A:117 10116
PCB1221	SW-846 METHOD 8080	<907	MCG/KG	GC 3A:117 10116
PCB1232	SW-846 METHOD 8080	<907	MCG/KG	GC 3A:117 10116
PCB1242	SW-846 METHOD 8080	(907	MCG/KG	GC 3A:117 10116
PCB1248	SW-846 METHOD 8080	<907	MCG/KG	GC 3A:117 10/16
PCB1254	SW-846 METHOD 8080	9,850	MCG/KG	GC 3A:117 10116
PCB1260	SW-846 METHOD 8080	2,240	MCG/KG	GC 3A:117 10116
% SOLIDS	STD. METH. 15TH ED.209A	91	%	BT 10119

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY003402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A LABARGE
Sample Id: MW-351
Location : SE, PITTSFIELD, MA

CTM Sample No: 901008A 44
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/10
PCB1016	SW-846 METHOD 8080	<412	MCG/KG	GC 3A:118 10/16
PCB1221	SW-846 METHOD 8080	(412	MCG/KG	GC 3A:118 10/16
PCB1232	SW-846 METHOD 8080	(412	MCG/KG	GC 3A:118 10/16
PCB1242	SW-846 METHOD 8080	(412	MCG/KG	GC 3A:118 10/16
PCB1248	SW-846 METHOD 8080	(412	MCG/KG	GC 3A:118 10/16
PCB1254	SW-846 METHOD 8080	5,850	MCG/KG	GC 3A:118 10/16
PCB1260	SW-846 METHOD 8080	1,450	MCG/KG	GC 3A:118 10/16
% SOLIDS	STD. METH. 15TH ED.209A	92	%	BT 10/18

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10105190 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MD-3N1
Location : GE, PITTSFIELD, MA

CTM Sample No: 901008A 46
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10110
PCB1016	SW-846 METHOD 8080	(4,520	MCG/KG	GC 3A:118 10116
PCB1221	SW-846 METHOD 8080	(4,520	MCG/KG	GC 3A:118 10/16
PCB1232	SW-846 METHOD 8080	(4,520	MCG/KG	GC 3A:118 10/16
PCB1242	SW-846 METHOD 8080	<4,520	MCG/KG	GC 3A:118 10116
PCB1248	SW-846 METHOD 8080	(4,520	MCG/KG	GC 3A:118 10/16
PCB1254	SW-846 METHOD 8080	34,600	MCG/KG	GC 3A:118 10116
PCB1260	SW-846 METHOD 8080	7,720	MCG/KG	GC 3A:118 10/16
% SOLIDS	STD. METH. 15TH ED. 209A	91	%	BT 10119

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
09 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT 1: 90.00426

CTM Task #: 901008A

Attention: MR. STEL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MW-3AZ
Location : GE, PITTSFIELD, MA

CTM Sample Nor 901008A 47
Date Received: 10/05/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC/RK 10118
PCB1221	SW-846 METHOD 8080	<907	MCG/KG	GC3 A: 130 10/23
PCB1232	SW-846 METHOD 8080	<907	MCG/KG	GC3 A:130 10/23
PCB1242	SW-846 METHOD 8080	(907	MCG/KG	GC3 A:130 10/23
PCB1248	SW-846 METHOD 8080	(907	MCG/KG	GC3 A:130 10123
PCB1254	SW-846 METHOD 8080	14,200	MCG/KG	GC3 A:130 10/23
PCB1260	SW-846 METHOD 8080	8,560	MCG/KG	GC3 A: 130 10123
% SOLIDS	STD. METH. 15TH ED. 209A	91	%	BT 10119

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
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GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901008A

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/05/90 Time: 00:00
Sampled By : A. LABARGE
Sample Id: MD-3NS
Location : GE, PITTSFIELD, MA

CTM Sample Nr: 901008A 48
Date Received: 10/05/90
Collection Method: GRAB
ktrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/25
PCB1016	SW-846 METHOD 8080	<884	MCG/KG	GC JA:150 11/6
PCB1221	SW-846 METHOD 8080	<884	MCG/KG	GC JA:150 11/6
PCB1232	SW-846 METHOD 8080	<884	MCG/KG	GC JA:150 11/6
PCB1242	SW-846 METHOD 8080	<884	MCG/KG	GC JA:150 11/6
PCB1248	SW-846 METHOD 8080	<884	MCG/KG	GC JA:150 11/6
PCB1254	SW-846 METHOD 8080	14,000	MCG/KG	GC JA:150 11/6
PCB1260	SW-846 METHOD 8080	5,450	MCG/KG	GC JA:150 11/6
% SOLIDS	STD. METH. 15TH ED.209A	91	%	CC 1111

REMARKS:

AUTHORIZED FOR RELEASE: T. Minta

LEGEND: (= LESS THAN,) = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD.
15 Century Hill Dr.
Latham, NY 12110
Phone: (518)786-7100 Fax: (518)786-7139

Laboratory Analysis Report
Prepared for: GERAGHTY & MILLER, INC.
Project Number: 90.00426
Task Number: 901024H
13 NOV 1990

PLEASE NOTE

, All results are calculated on a dry weight basis unless otherwise specified.

CERTIFICATIONS:

NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551
NJ: 77581 PA: 68-402 NH: 199014-C

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
is NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXTENSION
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #:

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/23/90 Time: 00:00
Sampled By : W.GRAY
Sample Id: MO-3W1
Location : NEWELL ST.

CTM Sample No: 901024H 01
Date Received: 10/24/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/26
PCB1016	SW-846 METHOD 8080	<859	MCG/KG	GC 3A:150 11/6
PCB1221	SW-846 METHOD 8080	<859	MCG/KG	GC 3A:150 11/6
PCB1232	SW-846 METHOD 8080	<859	MCG/KG	GC 3A:150 11/6
PCB1242	SW-846 METHOD 8080	<859	MCG/KG	GC 3A:150 11/6
PCB1248	SW-846 METHOD 8080	<859	MCG/KG	GC 3A:150 11/6
PCB1254	SW-846 METHOD 8080	11,600	MCG/KG	GC 3A:150 11/6
PCB1260	SW-846 METHOD 8080	4,970	MCG/KG	GC 3A:150 11/6
% SOLIDS	STD. METH. 15TH ED.209A	87	%	CC 11/1

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
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GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXTENSION
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901024H

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/23/90 Time: 00:00
Sampled By : W.GRAY
Sample Id: MD-3W2
Location : NEWELL ST.

CTM Sample No: 901024H 02
Date Received: 10/24/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/26
PCB1016	SW-846 METHOD 8080	<10	MCG/KG	GC JA:151 11/6
PCB1221	SW-846 METHOD 8080	<10	MCG/KG	GC JA:151 11/6
PCB1232	SW-846 METHOD 8080	<10	MCG/KG	GC JA:151 11/6
PCB1242	SW-846 METHOD 8080	<10	MCG/KG	GC JA:151 11/6
PCB1248	SW-846 METHOD 8080	10	MCG/KG	
PCB1254	SW-846 METHOD 8080	36	MCG/KG	GC JA:151 11/6
PCB1260	SW-846 METHOD 8080	76	MCG/KG	GC JA:151 11/6
% SOLIDS	STD. METH. 15TH ED.209B	90	%	GC 11/1

REMARKS:

LEGEND: , = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
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GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXTENSION
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901024H

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/23/90 Time: 00:00
Sampled By : W.GRAY
Sample Id: MO-4N1
Location : NEWELL ST.

CTM Sample Nm: 901024H 03
Date Received: 10/24/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
SW-846 VOLATILE ORGANICS	SW-846 METHOD 8240	COMPLETED		JB 11/6
% SOLIDS	STD. METH. 15TH ED.2038	92	%	CC 11/1
CHLOROMETHANE	SW-846 METHOD 8240	<11	MCG/KG	JB B:20 11/6
VINYL CHLORIDE	SW-846 METHOD 8240	<11	MCG/KG	JB B:20 11/6
BROMOMETHANE	SW-846 METHOD 8240	<11	MCG/KG	JB B:20 11/6
CHLOROETHANE	SW-846 METHOD 8240	<11	MCG/KG	JB B:20 11/6
1,1-DICHLOROETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
METHYLENE CHLORIDE	SW-846 METHOD 8240	* 12	MCG/KG	JB B:20 11/6
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
1,1-DICHLOROETHENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
CHLOROFORM	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
CARBON TETRACHLORIDE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
BENZENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
1,2-DICHLOROETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
TRICHLOROETHENE	SW-846 METHOD 8240	5	MCG/KG	JB B:20 11/6
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	.5	MCG/KG	JB B:20 11/6
BROMODICHLOROMETHANE	SW-846 METHOD 8240	.5	MCG/KG	JB B:20 11/6
2-CHLOROETHYLVINYLETHER	METHOD 8240	.5	MCG/KG	11/6
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 9240	.5	MCG/KG	JB B:20 11/6
TOLUENE	SW-846 METHOD 8240	80	MCG/KG	JB B:20 11/6
CIS-1, 3-DICHLOROPROPENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	.5	MCG/KG	JB B:20 11/6
TETRACHLOROETHENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
CHLOROBENZENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
ETHYLBENZENE	SW-846 METHOD 8240	5	MCG/KG	JB B:20 11/6
BROMOFORM	SW-846 METHOD 8240	<5	MCG/KG	JB
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
STYRENE	SW-846 METHOD 8240	6	MCG/KG	JB B:20 11/6
ACETONE	SW-846 METHOD 8240	11	MCG/KG	JB B:20 11/6
CARBON DISULFIDE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/6
VINYL ACETATE	SW-846 METHOD 8240	.11	MCG/KG	JB B:20 11/6
2-HEXANONE	SW-846 METHOD 8240	.11	MCG/KG	JB B:20 11/6
XYLENE (TOTAL)	SW-846 METHOD 8240	.5	MCG/KG	JB B:20 11/6
2-BUTANONE (MIBK)	SW-846 METHOD 8240	11	MCG/KG	JB B:20 11/6

(CONTINUES ON NEXT PAGE)

REMARKS: *Probable lab artifact.

GERAGHTY & HILLER, INC.
24 MADISON AVENUE EXTENSION
ALBANY NY 12203

CTM PROJECT #: 90.00426
CTM Task #: 901024H

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/22/90 Time: 00:00
Sampled By : M.GRAY
Sample Id: MO-4N1
Location : NEWELL ST.

CTM Sample No: 901024H 03
Date Received: 10/24/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
(CONTINUED FROM PREVIOUS PAGE)				
4-METHYL-2-PENTANONE (MEK)	SW-846 METHOD 8240	<11	MCG/KG	JB 8:20 11/6

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
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GERAGHTY & MILLER, INC.

CTM PROJECT #: 90.00426

ALBANY NY 12203

CTM Task #: 901024H

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/23/90 Time: 00:00
Sampled By : W.GRAY
Sample Id: MW-5E1
Location : NEWELL ST,

CTM Sample No: 901024H 04
Date Received: 10/24/90
Collection Methods 8240
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		BC 10/26
PCB1016	SW-846 METHOD 8080	<921	MCG/KG	GC JA:151 11/6
PCB1221	SW-846 METHOD 8080	<921	MCG/KG	GC JA:151 11/6
PCB1232	SW-846 METHOD 8080	<921	MCG/KG	GC JA:151 11/6
PCB1242	SW-846 METHOD 8080	<921	MCG/KG	GC JA:151 11/6
PCB1248	SW-846 METHOD 8080	<921	MCG/KG	GC JA:151 11/6
PCB1254	SW-846 METHOD 8080	1,080	MCG/KG	GC JA:151 11/6
PCB1260	SW-846 METHOD 8080	2,320	MCG/KG	GC JA:151 11/6
% SOLIDS	STD. METH. 15TH ED.209A	90	%	CC 11/1

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
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GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXTENSION
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901024H

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/23/90 Time: 00:00
Sampled By : W.GRAY
Sample Id: MO-6N3
Location : NEWELL ST.

CTM Sample No: 90102411 05
Date Received: 10/24/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCB	EPA SW-846 METHOD 8080	EXTRACTED		PC 10/26
PCB1016	SW-846 METHOD 8080	<19.000	MCG/KG	GC 2A:151 11/6
PCB1221	SW-846 METHOD 8080	<19.000	MCG/KG	GC 2A:151 11/6
PCB1232	SW-846 METHOD 8080	<19.000	MCG/KG	GC 2A:151 11/6
PCB1242	SW-846 METHOD 8080	<19.000	MCG/KG	GC 2A:151 11/6
PCB1248	SW-846 METHOD 8080	<19.000	MCG/KG	GC
PCB1254	SW-846 METHOD 8080	50.700	MCG/KG	GC 2A:151 11/6
PCB1260	SW-846 METHOD 8080	157.000	MCG/KG	GC 2A:151 11/6
% SOLIDS	STD. METH. 15TH ED.2090	87	%	GC 11/1

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
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GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXTENSION
ALBANY NY

CTM PROJECT #: 90.00426

CTM Task #: 901024H

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/23/90 Time: 00:00
Sampled By : M.GRAY
Sample Id: MO-6W1
Location : NEWELL ST.

CTM Sample No: 901024H 06
irate Received: 10/24/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
SW-846 VOLATILE ORGANICS	SW-846 METHOD 8240	COMPLETED		JB 11/5
% SOLIDS	STD. METH. 15TH ED.#209A	88	%	CC 11/1
CHLOROMETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
VINYL CHLORIDE	SW-846 METHOD 8240		MCG/KG	JB B:20 11/5
BROMOMETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
CHLOROETHANE	SW-846 METHOD 8240	5	MCG/KG	JB B:20 11/5
1,1-DICHLOROETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
METHYLENE CHLORIDE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
1,1-DICHLOROETHENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
CHLOROFORM	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
CARBON TETRACHLORIDE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
BENZENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
1,2-DICHLOROETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
TRICHLOROETHENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
BROMODICHLOROMETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
2-CHLOROETHYLVINYLETHER	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
TOLUENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
TETRACHLOROETHENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
CHLOROBENZENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
ETHYLBENZENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
BROMOFORM	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
STYRENE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
ACETONE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
CARBON DISULFIDE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
VINYL ACETATE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
2-HEXANONE	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
XYLENE (TOTAL)	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5
2-BUTANONE (MIBK)	SW-846 METHOD 8240	<5	MCG/KG	JB B:20 11/5

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REMARKS:

CTM ANALYTICAL LABS, LTD
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GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXTENSION
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901024H

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/23/90 Time: 00:00
Sampled By : M.GRAY
Sample Id: MO-6W1
Location : NEWELL ST.

CTM Sample No: 901024H 06
Date Received: 10/24/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used	Results		Analyst Reference
(CONTINUED FROM PREVIOUS PAGE)			
4-METHYL-2-PENTANONE (MEK) SW-846 METHOD 8240	<5	MCG/KG	JB 8:20 11/5

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
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GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXTENSION
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Tack #: 9010248

Attention: MR. BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 10/23/90 Time: 00:00
Sampled By : W.GRAY
Sample Id: MO-7N3
Location : NEWELL ST.

CTM Sample No: 9010248-07
Date Received: 10/24/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
SW-846 VOLATILE ORGANICS	SW-846 METHOD 8240	COMPLETED		JB 11/5
% SOLIDS	STD. METH. 15TH ED.209A	71	%	CC 11/1
CHLOROMETHANE	SW-846 METHOD 8240	<14	MCG/KG	JB B:20 11/5
VINYL CHLORIDE	SW-846 METHOD 8240	14	MCG/KG	JB B:20 11/5
BROMOMETHANE	SW-846 METHOD 8240	14	MCG/KG	JB B:20 11/5
CHLOROETHANE	SW-846 METHOD 8240	<14	MCG/KG	JB B:20 11/5
1,1-DICHLOROETHANE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
METHYLENE CHLORIDE	SW-846 METHOD 8240	* 77	MCG/KG	JB B:20 11/5
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
1,1-DICHLOROETHENE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
CHLOROFORM	SW-846 METHOD 8240	.7	MCG/KG	JB B:20 11/5
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
CARBON TETRACHLORIDE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
BENZENE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
1,2-DICHLOROETHANE	SW-846 METHOD 8240	<7	MCG/KG	11/5
TRICHLOROETHENE	SW-846 METHOD 8240	<7	MCG/KG	11/5
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
BROMODICHLOROMETHANE	SW-846 METHOD 8240	<7		JB B: 11/5
2-CHLOROETHYLVINYLETHER	SW-846 METHOD 8240	<7	MCG/KG	11/5
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
TOLUENE	SW-846 METHOD 8240	.9	MCG/KG	JB B:20 11/5
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
TETRACHLOROETHENE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
CHLOROBENZENE	SW-846 METHOD 3249	.7	MCG/KG	JB B:20 11/5
ETHYLBENZENE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
BROMOFORM	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
STYRENE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
ACETONE	SW-846 METHOD 8240	14	MCG/KG	JB
CARBON DISULFIDE	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
VINYL ACETATE	SW-846 METHOD 8240	<14	MCG/KG	JB B:20 11/5
2-HEXANONE	SW-846 METHOD 8240	<14	MCG/KG	JB B:20 11/5
XYLENE (TOTAL)	SW-846 METHOD 8240	<7	MCG/KG	JB B:20 11/5
2-BUTANONE (MEK)	SW-846 METHOD 8240	<14	MCG/KG	JB B:20 11/5

(CONTINUES ON NEXT PAGE)

REMARKS: *Probable lab artifact.

Laboratory Analysis Report
13 NOV 1990

GERAGHTY & HILLER, INC.
24 MADISON AVENUE EXTENSION
ALBANY NY 12203
Attention: MR. BILL GRAY

CTM PROJECT #: 90.00426
CTM Task #: 901024H

Purchase Order Number: AY03402
Date Sampled: 10/23/90 Time: 00:00
Sampled By : M.GRAY
Sample Id: MO-7NS
Location : NEWELL ST.

CTM Sample No: 901024H 07
Date Received: 10/24/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used	Result		Analyst Reference
(CONTINUED FROM PREVIOUS PAGE)			
4-METHYL-2-PENTANONE (MEK) SW-846 METHOD 8240	<14	MCG/KG	JB 8:20 11/5

REMARKS:

AUTHORIZED FOR RELEASE: T. Trivelli

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD.
15 Century Hill Dr.
Latham, NY 12110
Phone: (518)786-7100 Fax: (518)786-7139

Laboratory Analysis Report
Prepared for: GERAGHTY & MILLER, INC.
Project Number: 90.00426
Task Number: 90111ST
30 NOV 1990

PLEASE NOTE
1. All results are calculated on a dry weight basis unless otherwise specified.
2. Reporting Limits for volatile and semivolatile organic compounds are expressed as Practical Quantitation Limits

CERTIFICATIONS:
NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551
NJ: 73581 PA: 68-402 NH: 199014-C

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
30 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901115T

Attention: BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 11/15/90 Time: 00:00
Sampled By : LABARGE
Sample Id: DD-N
Location : EE PITTSFIELD

CTM Sample No: 901115T 01
Date Received: 11/15/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCBS	SW-846 METHOD 8080	EXTRACTED		BT 11/21
PCB1016	SW-846 METHOD 8080	<5,100	MCG/KG	GC 38:30 11/30
PCB1221	SW-846 METHOD 8080	<9,100	MCG/KG	GC 38:30 11/30
PCB1232	SW-846 METHOD 8080	<5,100	MCG/KG	GC 38:30 11/30
PCB1242	SW-846 METHOD 8080	<5,100	MCG/KG	GC 38:30 11/30
PCB1248	SW-846 METHOD 8080	<5,100	MCG/KG	GC 38:30 11/30
PCB1254	SW-846 METHOD 8080	34,000	MCG/KG	GC 38:30 11/30
PCB1260	SW-846 METHOD 8080	57,000	MCG/KG	GC 38:30 11/30
% SOLIDS	STD. METH. 15TH ED.209A	78	%	CC 11/26

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS. LTD
Laboratory Analysis Report
TO NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.0042A

CTM Task #: 90111ST

Attension: BILL GRAY

Purchase Order Number: AY003402
Date Sampled: 11/15/90 Time: 00:00
Sampled By : LABARGE
Sample Id: DD-S
Location : GE PITTSFIELD

CTM Sample No: 90111ST 12
Date Received: 11/15/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analysis Reference
EXTRACTION FOR PCES	SW-846 METHOD 8080	EXTRACTED		BT 11/21
PCB1016	SW-846 METHOD 8080	<47,000	MCG/KG	GC JB:30 11/30
PCB1221	SW-846 METHOD 8080	<47,000	MCG/KG	GC JB:30 11/30
PCB1232	SW-846 METHOD 8080	<47,000	MCG/KG	GC JB:30 11/30
PCB1242	SW-846 METHOD 8080	<47,000	MCG/KG	GC JB:30 11/30
PCB1248	SW-846 METHOD 8080	<47,000	MCG/KG	GC JB:30 11/30
PCB1254	SW-846 METHOD 8080	51,000	MCG/KG	GC JB:30 11/30
PCB1260	SW-846 METHOD 8080	32,000	MCG/KG	GC JB:30 11/30
% SOLIDS	STD. METH. 18TH ED.209A	52	%	CC 11/26

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
30 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 9011151

Attention: BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 11/15/90 Time: 00:00
Sampled By : LABARGE
Sample Id: SP-1 (NEW)
Location : GE PITTSFIELD

CTM Sample No: 901115T 03
Date Recerved: 11/15/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCBS	SW-846 METHOD 8080	EXTRACTED		BT 11/21
PCB1016	SW-846 METHOD 8080	94	MCG/KG	GC [illegible] 1D
PCB1221	SW-846 METHOD 8080	94	MCG/KG	GC 3B:30 11/30
PCB1232	SW-846 METHOD 8080	94	MCG/KG	GC 3B:30 11/30
PCB1242	SW-846 METHOD 8080	74	MCG/KG	GC 3B:30 11/30
PCB1248	SW-846 METHOD 8080	94	MCG/KG	GC 3B:30 11/30
PCB1254	SW-846 METHOD 8080	1,400	MCG/KG	GC 3B:30 11/30
PCB1260	SW-846 METHOD 8080	1,900	MCG/KG	GC 3B:30 11/30
% SOLIDS	STD. METH. 15TH ED.209A	84	.	CC 11/26

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
30 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

Attention: BILL GRAY

CTM PROJECT #: 90.00426
CTM Task #: 901115T

Purchase Order Number: AY03402
Date Sampled: 11/15/90 Time: 00:00
Sampled By : LABARGE
Sample Id: SP-2 (E&S)
Location : GE PITTSFIELD

CTM Sample No: 901115T 04
Date Received: 11/15/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCBS	SW-846 METHOD 8080	EXTRACTED		BT 11/21
PCB1016	SW-846 METHOD 8080	<93	MCG/KG	GC JB:30 11/30
PCB1221	SW-846 METHOD 8080	<93	MCG/KG	GC JB:30 11/30
PCB1232	SW-846 METHOD 8080	<93	MCG/KG	GC JB:30 11/30
PCB1242	SW-846 METHOD 8080	<93	MCG/KG	GC JB:30 11/30
PCB1248	SW-846 METHOD 8080	<93	MCG/KG	GC JB:30 11/30
PCB1254	SW-846 METHOD 8080	1,380	MCG/KG	GC JB:30 11/30
PCB1260	SW-846 METHOD 8080	4,000	MCG/KG	GC JB:30 11/30
% SOLIDS	STD. METH. 15TH ED.209A	91	%	CC 11/24

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
30 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task d: 901115T

Attention: BILL GRAY

Purchase Order Number: AY03402

CTM Sample No: 901115T 05

Sampled By : LABARGE
Sample Id: SP-3 (N&W)
Location : GE PITTSFIELD

Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCBS	SW-846 METHOD 8080	EXTRACTED		ET 11/71
PCB1016	SW-846 METHOD 8080	<83	MCG/KG	GC 3B:30 11/30
PCB1221	SW-846 METHOD 8080	<83	MCG/KG	GC 3B:30 11/30
PCB1232	SW-846 METHOD 8080	<83	MCG/KG	GC 3B:30 11/30
PCB1242	SW-846 METHOD 8080	<83	MCG/KG	GC 3B:30 11/30
PCB1248	SW-846 METHOD 8080	<83	MCG/KG	GC 3B:30 11/30
PCB1254	SW-846 METHOD 8080	<83	MCG/KG	GC 3B:30 11/30
PCB1260	SW-846 METHOD 8080	394	MCG/KG	GC 3B:30 11/30
% SOLIDS	STD. METH. 15TH ED.209A	87	%	GC 11/26

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report

30-NOV-1990

SEAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 90111ST

Attention: BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 11/12/90 Time: 00:00
Sampled By : LABARGE
Sample Id: SP-4 (E&S)
Location : GE PITTSFIELD

CTM Sample No: 90111ST 06
Date Received: 11/15/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCBS	SW-846 METHOD 8080	EXTRACTED		BT 11/21
PCB1016	SW-846 METHOD 8080	82	MCG/KG	GC 3B:30 11/30
PCB1221	SW-846 METHOD 8080	<82	MCG/KG	GC 3B:30 11/30
PCB1232	SW-846 METHOD 8080	<82	MCG/KG	GC 3B:30 11/30
PCB1242	SW-846 METHOD 8080	<82	MCG/KG	GC 3B:30 11/30
PCB1248	SW-846 METHOD 8080	<82	MCG/KG	GC 3B:30 11/30
PCB1254	SW-846 METHOD 8080	206	MCG/KG	GC 3B:30 11/30
PCB1260	SW-846 METHOD 8080	350	MCG/KG	GC 3B:30 11/30
% SOLIDS	STD. METH. 18TH ED.209A	93	%	CC 11/26

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
30 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901115T

Attention: BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 11/15/90 Time: 00:00
Sampled By : LABARGE
Sample Id: MO-4E4
Location : GE PITTSFIELD

CTM Sample No: 901115T 07
Date Received: 11/15/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCBS	SW-846 METHOD 8080	EXTRACTED		BT 11/21
PCB1016	SW-846 METHOD 8080	<910	MCG/KG	GC 3B:30 11/30
PCB1221	SW-846 METHOD 8080	710	MCG/KG	GC 3B:30 11/30
PCB1232	SW-846 METHOD 8080	910	MCG/KG	GC 3B:30 11/30
PCB1242	SW-846 METHOD 8080	<910	MCG/KG	GC 3B:30 11/30
PCB1248	SW-846 METHOD 8080	<910	MCG/KG	GC 3B:30 11/30
PCB1254	SW-846 METHOD 8080	9,100	MCG/KG	GC 3B:30 11/30
PCB1260	SW-846 METHOD 8080	43,000	MCG/KG	GC 3B:30 11/30
% SOLIDS	STD. METH. 18TH ED. 209A	87	%	CC 11/26

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
30 NOV 1990

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY NY 12203

CTM PROJECT #: 90.00426

CTM Task #: 901115T

Attention: BILL GRAY

Purchase Order Number: AY03402
Date Sampled: 11/15/90 Time: 00:00
Sampled By : LABARGE
Sample Id: MO-3N4
Location : GE PITTSFIELD

CTM Sample No: 901115T 08
Date Received: 11/15/90
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results		Analyst Reference
EXTRACTION FOR PCBS	SW-846 METHOD 8080	EXTRACTED		RT 11/21
PCB1016	SW-846 METHOD 8080	<80	MCG/KG	GC 3B:30 11/30
PCB1221	SW-846 METHOD 8080	<80	MCG/KG	GC 3B:30 11/30
PCB1232	SW-846 METHOD 8080	<80	MCG/KG	GC 3B:30 11/30
PCB1242	SW-846 METHOD 8080	<80	MCG/KG	GC 3B:30 11/30
PCB1248	SW-846 METHOD 8080	<80	MCG/KG	GC 3B:30 11/30
PCB1254	SW-846 METHOD 8080	560	MCG/KG	GC 3B:30 11/30
PCB1260	SW-846 METHOD 8080	770	MCG/KG	GC 3B:30 11/30
% SOLIDS	STD. METH. 15TH ED.209A	94	%	CC 11/26

REMARKS:

AUTHORIZED FOR RELEASE: T. Mitchell

LEGEND: < = LESS THAN, > = GREATER THAN
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
PO. Box 727
Latham NY 12110
518-786-7100
FAX 518-786-7139

GC/MS
GC
ICAP
Sampling Services

GERAGHTY & MILLER INC.

QA/QC Report

Project: Newell St.

Bill Gray

Taskno: 901024H

11/20/90

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
PO. Box 727
Latham. NY 12110
518-786-7100
FAX 518-786-7139

GC/MS
GC
ICAP
Sampling Services

CASE NARRATIVE

CTM Analytical Laboratories, Ltd. performed analyses on the following samples:

CTM LAB ID	CLIENT ID	MATRIX	DATE BAMPLED
901024H-01	MO-3W1	SOIL	10/23/90
901024H-02	MO-3W2	SOIL	10/23/90
901024H-03	MO-4N1	SOIL	10/23/90
901024H-04	MO-5E1	SOIL	10/23/90
901024H-05	MO-6N3	SOIL	10/23/90
901024H-06	MO-6W1	SOIL	10/23/90
901024H-07	MO-7N3	SOIL	10/23/90

No problems were encountered during analyses with the following exception:

The spike recovery on sample MO-5E1 901024H-04 was out of quality control limits, The spiked sample contained Ar 1254 and Ar 1260, which resulted in peak overlap with the spike compound. As a result, the spike recovery was high.

Please contact us, if you have any questions.

Thomas Mikulka, Ph.D.
Laboratory Director

CTM Analytical Laboratories, Ltd.

Data Package Inspection

Client Name: Geraghty & Miller, Inc.
CTM Sample ID's: 901024H01-7

This data package received an inspection for completeness by the CTM Analytical Quality Assurance Officer. Any deficiencies found are included in the Case Narrative of the report.

Inspected By: Peter B. Butryn
Date: 11/20/90

CTM ANALYTICAL LABORATORIES, LTD.
VOLATILE ORGANICS
EPA METHOD 8240

:ERAGHTY & MILLER, INC.
14 MADISON AVENUE EXT.
ALBANY, NEW YORK 12203
ATTENTION: MR. BILL GRAY

CTM PROJECT #: 90.0426
CTN Task #: 901024H

CTM Sample No: BLANK
Date Received: XXXXX
Date Run: 11/5/90
Matrix: DI WATER

Date Sampled XXXXX
Sampled By: XXXXX
Customer Id: XXXXX

COMPOUND	RESULT	P.Q.L.	UNITS
CHLOROMETHANE	LSD	10	MCG/L
VINYL CHLORIDE	LSD	10	MCG/L
BROMOMETHANE	LSD	10	MCG/L
CHLOROETHANE	ND	10	MCG/L
ACETONE	ND	10	MCG/L
1,1-DICHLOROETHANE	ND	10	MCG/L
METHYLENE CHLORIDE	ND	5	MCG/L
TRANS-1,2-DICHLOROETHENE	ND	5	MCG/L
1,1-DICHLOROETHENE	ND	5	MCG/L
MTBE	ND	5	MCG/L
CHLOROFORM	ND	5	MCG/L
1,1,1-TRICHLOROETHANE	ND	5	MCG/L
CARBON TETRACHLORIDE	ND	5	MCG/L
BENZENE	ND	5	MCG/L
1,2-DICHLOROETHANE	ND	5	MCG/L
TRICHLOROETHENE	ND	5	MCG/L
1,2-DICHLOROPROPANE	ND	5	MCG/L
BROMODICHLOROMETHANE	ND	5	MCG/L
CARBON DISULFIDE	ND	5	MCG/L
TRANS-1,3-DICHLOROPROPENE	ND	5	MCG/L
TOLUENE	ND	5	MCG/L
CIS-1,3-DICHLOROPROPENE	ND	5	MCG/L
1,1,2-TRICHLOROETHANE	ND	5	MCG/L
TETRACHLOROETHENE	ND	5	MCG/L
DIBROMOCHLOROMETHANE	ND	5	MCG/L
CHLOROBENZENE	ND	5	MCG/L
ETHYL BENZENE	ND	5	MCG/L
BROMOFORM	ND	5	MCG/L
1,1,2,2-TETRACHLOROETHANE	ND	5	MCG/L
METHYL ISO BUTYL KETONE	ND	10	MCG/L
VINYL ACETATE	ND	10	MCG/L
METHYL ETHYL KETONE	ND	10	MCG/L
2-HEXANONE	ND	10	MCG/L
STYRENE	ND	5	MCG/L
O-XYLENES	ND	5	MCG/L
M&P-XYLENES	ND	5	MCG/L
2-CHLOROETHYLVINYLETHER	ND	5	MCG/L

P.Q.L. = PRACTICAL QUAXTITATION LIMIT
ND=NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.
VOLATILE ORGANICS
CONTROL
EPA METHOD 8240

Date Run 11/5/90

COMPOUND	SPIKE ADDED MCG/L	CONTROL CONC. MCG/L	CONTROL % REC.	QUALITY CONTROL LIHITS
CHLOROMETHANE	50	56	112	D-273
VINYL CHLORIDE	SO	49	98	D-251
BROMOMETHANE	50	18	36	D-242
CHLOROETHANE	50	37	74	14-230
ACETONE	50	16	32	*
1,1-DICHLOROETHANE	50	47	94	59-155
METHYLENE CHLORIDE	50	63	126	D-221
TRANS-1,2-DICHLOROETHENE	50	48	96	54-156
1,1-DICHLOROETHENE	50	44	88	D-234
MTBE	50	53	106	
CHLOROFORM	50	46	92	51-138
1,1,1-TRICHLOROETBANE	50	44	88	52-162
CARBON TETRACHLORIDE	50	45	90	70-140
BENZENE	50	48	96	37-151
1,2-DICHLOROETHANE	50	44	88	49-155
TRICHLOROETHENE	50	54	108	71-157
1,2-DICHLOROPROPANE	50	49	98	D-210
BROMODICHLOROMETHANE	50	45	90	35-155
CARBON DISULFIDE	50	43	86	*
TRANS-1,3-DICHLOROPROPENE	50	51	102	17-183
TOLUENE	50	47	94	47-150
CIS-1,3-DICHLOROPROPENE	50	47	94	D-227
1,1,2-TRICHLOROETHANE	50	52	104	52-150
TETRACHLOROETHENE	50	54	108	64-148
DIBROMOCHLOROMETHANE	50	55	110	53-149
CHLOROBENZENE	50	48	96	37-160
ETHYL BENZENE	50	47	94	37-162
BROMOFORM	50	67	134	45-169
1,1,2,2-TETRACHLOROETHANE	50	54	108	46-157
METHYL IS0 BUTYL KETONE	50	73	146	*
VINYL ACETATE	50	59	118	*
METHYL ETHYL KETONE	50	66	132	*
2-HEXANONE	50	64	128	*
STYRENE	50	44	88	*
M&P-XYLENES	50	85	85	80-120
O-XYLENES	50	46	92	80-120
2-CHLOROETHYLVINYLETHER	50	72	144	D-305

* NO LIMITS ARE LISTED UNDER METHOD. LIMITS ARE CURRENTLY BEING ESTABLISHED IN THE LABORATORY.
ND=NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.
VOLATILE ORGANICS
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
EPA METHOD 8240

BIKED SAMPLE ID. 1029A-09
_ATE RUN 11/5/90

COMPOUND~~	SPIKE ADDED MCG/KG	SAMPLE CONC. MCG/KG	MS CONC. MCG/KG	MS % REC. #	QC LIMITS REC.
1,1-DICHLOROETHENE	50	ND	48	96	59-172
TRICHLOROETHENE	50	ND	53	106	62-137
BENZENE	50	ND	50	100	66-142
TOLUENE	50	ND	49	98	59-139
CHLOROBENZENE	50	ND	50	100	60-133

COMPOUND	MSD CONC. MCG/KG	MSD % REC. #	% RPD #	CONTROL LIMITS RPD	REC.
1,1-DICHLOROETHENE	45	90	6	14	59-172
TRICHLOROETHENE	52	104	2	14	62-137
BENZENE	48	96	4	11	66-142
TOLUENE	49	98	0	13	59-139
CHLOROBENZENE	47	94	6	13	60-133

COLUMN TO BE USED TO FLAG RECOVERY AND RPD VALUES WITH ASTERISK

* VALUES OUTSIDE OF QC LIMITS

D=SPIKE COMPOUND8 DILUTED OUT

CM ANALYTICAL LABORATORIES, LTD.
VOLATILE ORGANICS
SURROGATE RECOVERY
EPA METHOD 8240

bate Run 11/5/90

CUST. ID	LAB ID	S1 (TOL) #	S2 (BFB) #	S3 (DCE) #	OTHER	TOTAL OUT
XXXXX	BLANK	92	94	100		
XXXXX	CONTROL	90	92	88		
MO-6W1	1024H-06	82	82	96		
MO-7N3	1024H-07	84	92	88		
SPIKE	1029A-09MS	90	96	100		
SPIKE DUP	1029A-09MSD	88	96	94		

	QC LIMITS WATER	SOIL
S1 (TOL) = TOLUENE-d8	(88-110)	(81-117)
S2 (BFB) = BROMOFLUOROBENZENE	(86-115)	(74-121)
S3 (DCE) = 1,2-DICHLOROETHANE-d4	(76-114)	(70-121)

COLUMN TO BE USED TO FLAG RECOVERY VALUES

* VALUES OUTSIDE OF REQUIRED QC LIMITS

D SURROGATES DILUTED OUT

CTM ANALYTICAL LABORATORIES, LTD.
VOLATILE ORGANICS
EPA METHOD 8240

ERAGHTY & MILLER, INC.
4 MADISON AVENUE EXT.
ALBANY, NEW YORK 12203
ATTENTION: MR. BILL GRAY

CTM PROJECT #: 90.0426
CTM Task #: 901024H

Date Sampled: XXXXX
Sampled By: XXXXX
Customer Id: XXXXX

CTM Sample No: BLANK
Dato Received: XXXXX
Date Runt 11/6/90
Matrix: DI WATER

COMPOUND	RESULT	P.Q.L.	UNITS
CHLOROMETHANE	ND	10	MCG/L
VINYL CHLORIDE	ND	10	MCG/L
BROMOMETHANE	ND	10	MCG/L
CHLOROETHANE	ND	10	MCG/L
ACETONZ	<P.Q.L.	10	MCG/L
1,1-DICHLOROETHANE	ND	10	MCG/L
METHYLENE CHLORIDE	<P.Q.L.	5	MCG/L
TRANS-1,2-DICHLOROETHENE	ND	5	MCG/L
1,1-DICHLOROETHENE	ND	5	MCG/L
MTBE	ND	5	MCG/L
CHLOROFORM	ND	5	MCG/L
1,1,1-TRICHLOROETHANE	ND	5	MCG/L
CARBON TETRACHLORIDE	ND	5	MCG/L
BENZENE	ND	5	MCG/L
1,2-DICHLOROETHANE	ND	5	MCG/L
TRICHLOROETHENE	ND	5	MCG/L
1,2-DICHLOROPROPANE	ND	5	MCG/L
BROMODICHLOROMETHANE	ND	5	MCG/L
CARBON DISULFIDE	ND	5	MCG/L
TRANS-1,3-DICHLOROPROPENE	ND	5	MCG/L
TOLUENE	ND	5	MCG/L
CIS-1,3-DICHLOROPROPENE	ND	5	MCG/L
1,1,2-TRICHLOROETHANE	ND	5	MCG/L
TETRACHLOROETHENE	ND	5	MCG/L
DIBROMOCHLOROMETHANE	ND	5	MCG/L
CHLOROBENZENE	ND	5	MCG/L
ETHYL BENZENE	ND	5	MCG/L
BROMOFORM	ND	5	MCG/L
1,1,2,2-TETRACHLOROETHANE	ND	5	MCG/L
METHYL ISO BUTYL KETONE	ND	10	MCG/L
VINYL ACETATE	ND	10	MCG/L
METHYL ETHYL KETONE	ND	10	MCG/L
2-HEXANONE	ND	10	MCG/L
STYRENE	ND	5	MCG/L
O-XYLENES	ND	5	MCG/L
M&P-XYLENES	ND	5	MCG/L
2-CHLOROETHYLVINYLETHER	ND	5	MCG/L

P.Q.L. = PRACTICAL QUANTITATION LIMIT
ND=NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.
VOLATILE ORGANICS
SURROGATE RECOVERY
EPA METHOD 8240

Date Run 11/6/90

CUST. ID	LAB ID	S1 (TOL) #	S2 (BFB) #	S3 (DCE) #	OTHER	TOTAL OUT
XXXXX	BLANK	102	94	104		
MO-4N1	1024H-03	100	86	110		

		QC LIMITS WATER	QC LIMITS SOIL
S1 (TOL)	= TOLUENE-d8	(88-110)	(81-117)
S2 (BFB)	= BROMOFLUOROBENZENE	(86-115)	(74-121)
S3 (DCE)	= 1,2-DICHLOROETHANE-d4	(76-114)	(70-121)

COLUMN TO BE USED TO FLAG RECOVERY VALUES

* VALUES OUTSIDE OF REQUIRED QC LIMITS

D SURROGATES DILUTED OUT

CTM ANALYTICAL LABORATORIES, **LTD.**

PCB's

EPA METHOD 8080

GERAGHTY & MILLER, **INC.**
24 MADISON **AVENUE EXT.**
ALBANY, NY 12203
ATTENTION: MR BILL GRAY

CTM PROJECT #: 90.0426
CTM Task **#:** **901024H**

Date Sampled: **XXXXX**
Sampled By: **XXXXX**
Customer Id: **XXXXX**

CTM **Sample** NO: **BLANK**
Date Received: **XXXXX**
Date Ext. **10/25/90**
Date Run: 11/5/90
Matrix: SOIL

COMPOUND	RESULT	**P.Q.L.**	UNITS
AROCLOR-1016	**ND**	10	**MCG/KG**
AROCLOR-1221	**ND**	10	**MCG/KG**
AROCLOR-1232	**ND**	10	**MCG/KG**
AROCLOR-1242	**ND**	10	**MCG/KG**
AROCLOR-1248	**ND**	10	**MCG/KG**
AROCLOR-1254	**ND**	10	**MCG/KG**
AROCLOR-1260	**ND**	10	**MCG/KG**

P.Q.L. = PRACTICAL QUANTITATION LIMIT
ND= NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.
PCB's
EPA METHOD 8080

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY, NY 12203
ATTENTION: MR. BILL GRAY

CTM PROJECT #: 90.0426
CTM Task #: 901024H

Date Sampled: XXXXX
Sampled By: XXXXX
Customer Id: XXXXX

CTM Sample Not: BLANK
Date Received: XXXXX
Date Ext.: 10/25/90
Date Run: 11/5/90
Matrix: SOIL

COMPOUND	RESULT	P.Q.L.	UNITS
AROCLOR-1016	ND	10	MCG/KG
AROCLOR-1221	ND	10	MCG/KG
AROCLOR-1232	ND	10	MCG/KG
AROCLOR-1242	ND	10	MCG/KG
AROCLOR-1248	ND	10	MCG/KG
AROCLOR-1254	ND	10	MCG/KG
AROCLOR-1260	ND	10	MCG/KG

P.Q.L. = PRACTICAL QUANTITATION LIMIT
ND= NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.
PCB'S
CONTROL
EPA METHOD 8080

ATE RUN 11/9/90

COMPOUND	RESULT CONC. MCG/ML	CONTROL CONC. MCG/ML	CONTROL % REC.	EPA-608 CONTROL LIMITS
AROCLOR-1016	0.5	0.50031	100	50-114
AROCLOR-1221	0.5	0.62401	125	15-178
AROCLOR-1232	0.5	0.47899	96	10-215
AROCLOR-1242	0.5	0.42698	85	39-150
AROCLOR-1248	0.5	0.38325	77	38-158
AROCLOR-1254	0.5	0.20052	40	29-131
AROCLOR-1260	0.5	0.3296	66	8-128

CTM ANALYTICAL LABORATORIES, LTD.
MATRIX SPIKE/ SPIKE DUPLICATE
PCB'S
EPA METHOD 8080

SPIKED SAMPLE ID. 1024H-04
DATE RUN: 11/7/90
DILUTION FACTOR: 1:100

COMPOUND	SPIKE ADDED MCG/ML	SAMPLE CONC. MCG/ML	MS CONC. MCG/ML	MS % REC. #	QC LIMITS REC.
PCB-1242	0.5195	0	13.8	2660 *	39-150

COMPOUND	MSD CONC. MCG/ML	MSD % REC. #	% RPD #	CONTROL LIMITS RPD	REC.
PCB-1242	12	2310 *	14	25	39-150

#COLUMN TO BE USED TO FLAG RECOVERY AND RPD VALUES WITH AN ASTERISK

* VALUES OUTSIDE OF QC LIMITS, SEE CASE NARRATIVE

D= SPIKE COMPOUNDS DILUTED OUT

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
PO. Box 727
Latham. New York 12110
(518) 785-1805
FAX (518) 785-0370

GC/MS
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ICAP
Sampling Services

GERAGHTY & MILLER INC.

QA/QC Report

Project: GE Pittsfield, MA

Bill Gray

Taskno: 901008A

11/30/90

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
PO. Box *727*
Latharn. NY 12110
518-786-7100
FAX 518·786·7139

GC/MS
GC
ICAP
Sampling Services

CASE NARRATIVE

CTM Analytical Laboratories, Ltd. performed analyses on the following samples:

CTM LAB ID	CLIENT ID	MATRIX	DATE SAMPLED
901008A-01	MO-7N1	SOIL	10/5/90
901008A-02	MO-7N2	SOIL	10/5/90
901008A-03	MO-7N3	SOIL	10/5/90
901008A-04	MO-7S1	SOIL	10/5/90
9010081-07	MO-711	SOIL	10/5/90
901008A-10	MO-7E1	SOIL	10/5/90
9010081-13	MO-4N1	SOIL	10/5/90
901008A-16	MO-4E1	SOIL	10/5/90
901008A-17	MO-4E2	SOIL	10/5/90
901008A-18	MO-4E3	SOIL	10/5/90
901008A-19	MO-4W1	SOIL	10/5/90
901008A-22	MO-4S1	SOIL	10/5/90
901008A-25	MO-5S1	SOIL	10/5/90
901008A-28	MO-5W1	SOIL	10/5/90
901008A-30	DP-2	SOIL	10/5/90
901008A-31	MO-5N1	SOIL	10/5/90

CTM Analytical Laboratories, Ltd.

9010081-32	MO-5N2	SOIL	10/5/90
901008A-33	MO-681	SOIL	10/5/90
901008A-34	MO-6Wl	SOIL	10/5/90
901008A-35	MO-6W2	SOIL	10/5/90
901008A-36	MO-6E3	SOIL	10/5/90
901008A-37	MO-6E1	SOIL	10/5/90
901008A-38	MO-6E2	SOIL	10/5/90
901008A-39	MO-6N1	SOIL	10/5/90
901008A-40	MO-6N2	SOIL	10/5/90
9010081-41	MO-3E1	SOIL	10/5/90
901008A-44	MO-3S1	SOIL	10/5/90
901008A-46	MO-3N1	SOIL	10/5/90
901008A-47	MO-3N2	SOIL	10/5/90
901008A-48	MO-3N3	SOIL	10/5/90

No problems were encountered during analyses.

Due to the presence of Aroclors 1254 and 1260, spiked samples MO-4N1 (901024H-04), MO-7N1 (901008A-01), MO-4S1 (901008A-022), MO-3N1 (901008A-46) and MO-3N2 (901008A-47) required dilutions for analysis. As a result, the Aroclor 1242 spike was diluted out resulting in neglegible recoveries. Since the spiking compound (Aroclor 1242) was diluted out of the matrix spike duplicates, the concentrations of Aroclor 1254 attributed to the sample, are included in the QC package to show extraction precision.

Please contact us, if you have any questions.

Thomas Mikulka, Ph.D.
Laboratory Director

CTM Analytical Laboratories, Ltd.

Data Package Inspection

Client Name: Geraghty & Miller, Inc.
CTM Sample ID's: 901008A01-4,7,10,13,16,17-19,22,25,28,30-41, 44,46-48

This data package received an inspection for completeness by the CTM Analytical Quality Assurance Officer, Any deficiencies found are included in the Case Narrative of the report.

Inspected By: Peter B. Butler
Date: 11/2/90

CM ANALYTICAL LABORATORIES, LTD.

PCB's

EPA METHOD 8080

GERAGHTY & MILLER? INC.
14 MADISON AVENUE EXTENTION
ALBANY, NY 12203
ATTENTION: MR. BILL GRAY

CTM PROJECT #: 90.0426
CTM Task #: 901008A

CTM Sample No: BLANK
Date Sampled: XXXXX
Sampled By: XXXXX
Customer Id: XXXXX
Date Received: XXXXX
Date Ext. 10/10/90
Date Run: 10/14/90
Matrix: SOIL

COMPOUND	RESULT	DET. LIMIT	UNITS
AROCLOR-1016	ND	10	MCG/KG
AROCLOR-1221	ND	10	MCG/KG
AROCLOR-1232	ND	10	MCG/KG
AROCLOR-1242	ND	10	MCG/KG
AROCLOR-1248	ND	10	MCG/KG
AROCLOR-1254	ND	10	MCG/KG
AROCLOR-1260	ND	10	MCG/KG

ND= NOT DETECTED

CTM ANALYTICAL **LABORATORIES, LTD.**

PCB's

EPA **METHOD** 8080

:ERAGHTY & MILLER? INC.
:4 **MADISON** AVENUE **EXTENTION**
ALBANY, NY 12203
\TTENTION: **MR.** BILL GRAY

CTM PROJECT #: 90.0426
CTM **Task** #: **901008A**

)ate Sampled: XXXXX
Sampled By: **XXXXX**
Customer **Id:** XXXXX

CTM Sample No: BLANK
Date Received: XXXXX
Date **Ext.** **10/10/90**
Date Run: **10/14/90**
Matrix: **SOIL**

COMPOUND	RESULT	**DET.** LIMIT	**UNITS**
AROCLOR–1016	**ND**	10	**MCG/KG**
AROCLOR-1221	**ND**	10	**MCG/KG**
AROCLOR–1232	**ND**	10	**MCG/KG**
AROCLOR–1242	**ND**	10	**MCG/KG**
AROCLOR-1248	**ND**	10	**MCG/KG**
AROCLOR–1254	**ND**	10	**MCG/KG**
AROCLOR–1260	**ND**	10	**MCG/KG**

ND= NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.

PCB's

EPA METHOD 8080

GERAGHTY & MILLER, INC.
4 MADISON AVENUE EXTENTION
ALBANY, NY 12203
ATTENTION: MR. BILL GRAY

CTM PROJECT #: 90.0426
CTM Task it 901008A

CTM Sample No: BLANK
Date Received: XXXXX
Date Ext. 10/10/90
Date Run: 10/14/90
Matrix: SOIL

Date Sampled: XXXXX
Sampled By: XXXXX
customer Id: XXXXX

COMPOUND	RESULT	DET. LIMIT	UNITS
AROCLOR-1016	ND	10	MCG/KG
AROCLOR-1221	ND	10	MCG/KG
AROCLOR-1232	ND	10	MCG/KG
AROCLOR-1242	ND	10	MCG/KG
AROCLOR-1248	ND	10	MCG/KG
AROCLOR-1254	ND	10	MCG/KG
AROCLOR-1260	ND	10	MCG/KG

ND= NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.
PCB'S
EPA METHOD 8080

ERAGHTY & MILLER, INC.
4 MADISON AVENUE EXTENTION
ALBANY, NY 12203
ATTENTION: MR. BILL GRAY

CTM PROJECT #: 90.0426
CTM Task #: 901008A

Date Sampled: XXXXX
Sampled By: XXXXX
Customer Id: XXXXX

CTM Sample No: BLANK
Date Received: XXXXX
Date Ext. 10/11/90
Date Run: 10/14/90
Matrix: SOIL

COMPOUND	RESULT	DET. LIMIT	UNITS
AROCLOR-1016	ND	10	MCG/KG
AROCLOR-1221	ND	10	MCG/KG
AROCLOR-1232	ND	10	MCG/KG
AROCLOR-1242	ND	10	MCG/KG
AROCLOR-1248	ND	10	MCG/KG
AROCLOR-1254	ND	10	MCG/KG
AROCLOR-1260	ND	10	MCG/KG

ND= NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.

PCB's

EPA METHOD 8080

)ERAGHTY & MILLER, INC.
:4 MADISON AVENUE EXTENTION
ALBANY, NY 12203
ATTENTION: MR. BILL GRAY

CTM PROJECT #: 90.0426
CTM Task #: 901008A

)ate Sampled: XXXXX
Sampled By: XXXXX
Customer Id: XXXXX

CTM Sample No: BLANK
Date Received: XXXXX
Date Ext. 10/18/90
Date Run: 10/22/90
Matrix: SOIL

COMPOUND	RESULT	DET. LIMIT	UNITS
AROCLOR-1016	ND	10	MCG/KG
AROCLOR-1221	ND	10	MCG/KG
AROCLOR-1232	ND	10	MCG/KG
AROCLOR-1242	ND	10	MCG/KG
AROCLOR-1248	ND	10	MCG/KG
AROCLOR-1254	ND	10	MCG/KG
AROCLOR-1260	ND	10	MCG/KG

ND= NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.
PCB's
EPA METHOD 8080

GERAGHTY & MILLER, INC.
24 MADISON AVENUE EXT.
ALBANY, NY 12203
ATTENTION: MR. BILL GRAY

CTM PROJECT #: 90.0426
CTM Task #: 901108A

Date Sampled: XXXXX
Sampled By: XXXXX
Customer Id: XXXXX

CTM Sample No: BLANK
Date Received: XXXXX
Date Ext. 10/25/90
Date Run: 11/5/90
Matrix: SOIL

COMPOUND	RESULT	P.Q.L.	UNITS
AROCLOR-1016	ND	10	MCG/KG
AROCLOR-1221	ND	10	MCG/KG
AROCLOR-1232	ND	10	MCG/KG
AROCLOR-1242	ND	10	MCG/KG
AROCLOR-1248	ND	10	MCG/KG
AROCLOR-1254	ND	10	MCG/KG
AROCLOR-1260	ND	10	MCG/KG

P.Q.L. = PRACTICAL QUANTITATION LIMIT
ND=NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.

PCB'S

EPA METHOD 8080

TERAGHTY & MILLER, INC.
14 MADISON AVENUE EXT.
ALBANY, NY 12203
ATTENTION: MR. BILL GRAY

CTM PROJECT #: 90.0426
CTM Task #: 901108A

Date Sampled: XXXXX
Sampled By: XXXXX
Customer Id: XXXXX

CTM Sample No: BLANK
Date Received: XXXXX
Date Ext. 10/25/90
Date Run: 11/5/90
Matrix: SOIL

COMPOUND	RESULT	P.Q.L.	UNITS
AROCLOR-1016	ND	10	MCG/KG
AROCLOR-1221	ND	10	MCG/KG
AROCLOR-1232	ND	10	MCG/KG
AROCLOR-1242	ND	10	MCG/KG
AROCLOR-1248	ND	10	MCG/KG
AROCLOR-1254	ND	10	MCG/KG
AROCLOR-1260	ND	10	MCG/KG

P.Q.L. = PRACTICAL QUANTITATION LIMIT
ND=NOT DETECTED

CTM ANALYTICAL LABORATORIES, LTD.

PCB #8

CONTROL

EPA METHOD 8080

DATE **RUN** **10/13/90**

COMPOUND	CONTROL CONC. **MCG/ML**	RESULT CONC. **MCG/ML**	CONTROL % **REC.**	EPA–608 CONTROL LIMITS
AROCLOR-1016	0.5	0.56674	113	**50-114**
AROCLOR-1221	0.5	0.65521	131	**15-178**
AROCLOR-1232	0.5	0.55155	110	10–215
AROCLOR-1242	0.5	0.50941	102	**39-150**
AROCLOR–1248	0.5	0.4281	86	**38-158**
AROCLOR-1254	**0.5**	0.5632	113	**29-131**
AROCLOR–1260	0.5	0.4836	97	**8-128**

CTM ANALYTICAL LABORATORIES, LTD.
PCB'S
CONTROL
EPA METHOD 8080

ATE RUN 10/16/90

COMPOUND	CONTROL CONC. MCG/ML	RESULT CONC. MCG/ML	CONTROL % REC.	EPA-608 CONTROL LIMITS
AROCLOR-1016	0.5	0.5716	114	50-114
AROCLOR-1221	0.5	0.6146	123	15-178
AROCLOR-1232	0.5	0.5118	102	10-215
AROCLOR-1242	0.5	0.6184	124	39-150
AROCLOR-1248	0.5	0.5288	106	38-158
AROCLOR-1254	0.5	0.5929	119	29-131
AROCLOR-1260	0.5	0.3385	68	8-128

CTM ANALYTICAL LABORATORIES, LTD.
PCB,S
CONTROL
EPA METHOD 8080

DATE RUN 11/9/90

COMPOUND	CONTROL CONC. MCG/ML	RESULT CONC. MCG/ML	CONTROL % REC.	EPA-608 CONTROL LIMITS
AROCLOR-1016	0.5	0.50031	100	50-114
AROCLOR-1221	0.5	0.62401	125	15-178
AROCLOR-1232	0.5	0.47899	96	10-215
AROCLOR-1242	0.5	0.42698	85	39-150
AROCLOR-1248	0.5	0.38325	77	38-158
AROCLOR-1254	0.5	0.20052	40	29-131
AROCLOR-1260	0.5	0.3296	66	8-128

CTM Analytical Laboratories, Ltd.

15 Century Hill Drive
PO. Box 727
Latham, New York 12110
(518) 785-1805
FAX (518) 785-0370

GC/MS
GC
ICAP
Sampling Services

CTM ANALYTICAL LABORATORIES, LTD.

AROCLOR 1254 CONCENTRATIONS IN MATRIX SPIKE/MATRIX SPIKE DUPLICATE

CTM SAMPLE ID	DILUTION	CONC. OF Ar1254
901008A-01 MS	1:500	27,000 MCG/KG
901008A-01 MSD	1:500	19,000 MCG/KG
901008A-22 MS	1:50	1,400 MCG/KG
901008A-22 MSD	1:50	1,200 MCG/KG
901008A-46 MS	1:500	38,000 MCG/KG
901008A-46 MSD	1:500	41,000 MCG/KG
901008A-47 MS	1:100	16,000 MCG/KG
901008A-47 MSD	1:100	21,000 MCG/KG
901024H-04 MS	1:100	1,700 MCG/KG
901024H-04 MSD	1:100	1,800 MCG/KG

CTM **ANALYTICAL** LABORATORIES, **LTD.**
MATRIX **SPIKE/ SPIKE** DUPLICATE
PC8'8
EPA METHOD *8080*

SPIKED SAMPLE **ID.** 1008A-01
DATE RUN: 10/22/90
DILUTION FACTOR: 1:500

COMPOUND	SPIKE ADDED MCG/KG	SAMPLE CONC. MCG/KG	MS CONC. MCG/KG	MS % REC. #	QC LIMITS REC.
PCB-1242	0.519	0	D	D	39-150

COMPOUND	MSD CONC. MCG/KG	MSD % REC. #	% RPD #	CONTROL LIMITS RPD	REC.
PCB-1242	D	D	D	25	39-150

#COLUMN TO BE USED TO FLAG RECOVERY AND RPD VALUES WITH *AN* ASTERISK

* VALUES OUTSIDE OF QC LIMITS

D= SPIKE COMPOUNDS DILUTED OUT

CTM **ANALYTICAL LABORATORIES, LTD.**

MATRIX SPIKE/ SPIKE DUPLICATE

. **PCB'S**

EPA METHOD **8080**

SPIKED SAMPLE ID. **1008A-22**

DATE RUN: **10/22/90**

DILUTION FACTOR: **1:50**

COMPOUND	**SPIKE** ADDED **MCG/KG**	SAMPLE **CONC.** **MCG/KG**	**MS** CONC. **MCG/KG**	**MS** % REC. #	**QC** LIMITS **REC.**
PCB-1242	0.519	0	D	D	39-150

COMPOUND	**MSD CONC.** **MCG/KG**	**MSD** % REC. #	% RPD #	**CONTROL** LIMITS RPD	REC.
PCB-1242	D	D	D	25	39-150

#COLUMN TO BE USED TO **FLAG** RECOVERY AND RPD VALUES WITH AN ASTERISK

* VALUES OUTSIDE OF **QC** LIMITS

D= SPIKE COMPOUNDS DILUTED OUT

CTM ANALYTICAL LABORATORIES, **LTD.**
MATRIX **SPIKE/ SPIKE** DUPLICATE
PCB'**S**
EPA METHOD **8080**

SPIKED SAMPLE **ID.** **1008A-46**
DATE RUN: **10/22/90**
DILUTION FACTOR: **1:500**

COMPOUND	SPIKE ADDED **MCG/KG**	SAMPLE **CONC. MCG/KG**	**MS** CONC - **MCG/KG**	**MS** % **REC. #**	**QC** LIMITS **REC.**
PCB-1242	**0.519**	0	D	D	**39-150**

COMPOUND	MSD CONC. **MCG/KG**	MSD % **REC. #**	% RPD #	CONTROL LIMITS RPD	**REC.**
PCB-1242	D	**D**	D	25	39-150

#COLUMN TO BE USED TO FLAG RECOVERY **AND** RPD VALUES WITH AN ASTERISK

- VALUES OUTSIDE OF QC LIMITS

D= SPIKE COMPOUNDS DILUTED OUT

CTM ANALYTICAL LABORATORIES, LTD.
MATRIX SPIKE/ SPIKE DUPLICATE
PCB'S
EPA METHOD 8080

SPIKED SAMPLE ID. 1008A-47
DATE RUN: 10/22/90
DILUTION FACTOR: 1:100

COMPOUND	SPIKE ADDED MCG/KG	SAMPLE CONC. MCG/KG	MS CONC. MCG/KG	MS % REC. #	QC LIMITS REC.
PCB-1242	0.519	0	D	D	39-150

COMPOUND	MSD CONC. MCG/KG	MSD % REC. #	% RPD #	CONTROL LIMITS RPD	CONTROL LIMITS REC.
PCB-1242	D	D	D	25	39-150

#COLUMN TO BE USED TO FLAG RECOVERY AND RPD VALUES WITH AN ASTERISK

* VALUES OUTSIDE OF QC LIMITS

D= SPIKE COMPOUNDS DILUTED OUT

CTM ANALYTICAL LABORATORIES, LTD.
MATRIX **SPIKE/ SPIKE DUPLICATE**
PCB'S
EPA METHOD **8080**

SPIKED **SAMPLE ID.** **1024H-04**
DATE RUN: **11/7/90**
DILUTION FACTOR: **1:100**

COMPOUND	SPIKE ADDED MCG/KG	SAMPLE CONC. MCG/KG	MS CONC. MCG/KG	MS % REC. #	QC LIMITS REC.
PCB-1242	0.5195	0	D	D	39-150

COMPOUND	MSD CONC. MCG/KG	MSD % REC. #	% RPD #	CONTROL LIMITS RPD	REC.
PCB-1242	12	D	D	25	39-150

#COLUMN TO BE USED TO FLAG RECOVERY AND RPD VALUES WITH AN **ASTERISK**

* VALUES OUTSIDE OF QC LIMITS

D= SPIKE COMPOUNDS DILUTED OUT

RESULTS OF ADDITIONAL MARCHETTO PROPERTY STM SAMPLING AND ANALYSIS AS REQUESTED IN MDEP LETTER DATED FEBRUARY 3, 1991

ADDITIONAL SURFICIAL SOIL SAMPLES FOR PCB ANALYSIS: MO-P1, MO-P2, FW-P1, FW-P2, FW-P3

Table K-1. Summary* of Polychlorinated Biphenyls Detected in Surfical Soil Samples, Marchetto Property Short-Term Measure, Newell Street Site, GE Company, Pittsfield, Massachusetts.

Analyte (mg/kg)	Sample Location: / Collection Date:	FW-P1 5/9/91	FW-P2 5/9/91	FW-P3 5/9/91	MO-P1 5/9/91	MO-P2 5/9/91
Aroclor 1254		1.2	1.2	13	140	180
Aroclor 1260		5.6	1.5	7.3	31	44
Total Aroclors**		6.8	2.7	20	170	220

* Only detected analytes are shown.
mgkg - Milligrams per kilogram (ppm).
** Rounded totals are as reponed on laboratory data sheets.

Note: The above samples were collected at the request of the MDEP after review of data submitted in a in a report entitled "Short-Term Measures Proposal, Newell Street Site" (Geraghty & Miller, December 1990).

NORTH

EXPLANATION

MO-4 ▲ PREVIOUS SOIL SAMPLE LOCATION AND DESIGNATION
MO-3,4 & 5 MAY, 1988
MO-6, 7, 8, 9, 10 AND 11 MARCH, 1989

● SOIL SAMPLE LOCATION

SHORT TERM MEASURE SAMPLING LOCATION

MO-13 Ⓐ SUPPLEMENTAL PHASE II SAMPLING LOCATION

PROPOSED PAVEMENT

PROPOSED FENCE LINE

SOIL PILE
MO-13
MO-6
MO-5
MO-7
MO-4
MO-12
MO-8
PROPERTY LINE
DD-N
SOIL PILE
FW-P3
TRAILER
FW-P2
DD-S
MO-P2
MO-P1
FW-P1
MO-9
SPEED SHOP
MO-3
MO-11
PROPERTY LINE
MO-10
ANTHONY MARCHETTO CONTRACTORS

SCALE
0 50
FEET

DRAFTER: R. FAULK | ENGR: B. GRAY | COMPILER: A. LABARGE | CAD FILE: MON-CAD | FILE NO.: | PROJT. NO.: AY05407 | DATE: 2/92

SCALE SHOWN

GERAGHTY & MILLER, INC.
Environmental Services

SHORT TERM MEASURE SURFICIAL SAMPLING PLAN
NEWELL STREET MARCHETTO PROPERTY
Pittsfield, Massachusetts

FIGURE K-1

APPENDIX L

RAVIN AUTO BODY LIMITED SITE INVESTIGATION

GERAGHTY & MILLER, INC.
Environmental Services

Ground Water Engineering Hydrocarbon Remediation Education

November 25, 1991

Mr. Mark Phillips
GE Company
100 Woodlawn Avenue Bldg. 11-250
Pittsfield, Massachusetts 01201

Re: Ravin Auto Body Limited Site Investigation (Project No. AY09701)

Dear Mr. Phillips:

This letter report summarizes the findings of a limited site investigation conducted at Ravin Auto Body on Newell Street in Pittsfield, Massachusetts. Geraghty & Miller, Inc. was retained by the General Electric Company (GE) to perform the field activities in accordance with M.G.L.c. 21E. Soil and water samples were collected as described below and submitted for volatile organic compound (VOC) and total petroleum hydrocarbon (TPH) analyses, which would provide an indication of the potential impacts on the property brought about by its use for automotive storage and repair. The samples were not analyzed for polychlorinated biphenyls (PCBs) because previous investigations conducted by GE at Ravin Auto Body have established the existence and distribution of PCBs in surficial and subsurface soils at the site. Sample collection and handling protocols were performed in accordance with the Massachusetts Department of Environmental Protection - approved Sampling and Analysis Plan (SAP) (Blasland & Bouck 1990). The SAP serves as the basis for the sampling and analysis of soil and water samples collected during the Massachusetts Contingency Plan investigations which are being conducted in areas near and at GE's Pittsfield facility.

Four soil borings, RV-7 through RV-10, were drilled on September 20, 1991, at the locations depicted on Figure 1. Each boring was advanced to a depth of eight feet below land surface (bls) using a truck-mounted hollow-stem auger rig. Clean Berkshires, Inc. of Lanesboro, Massachusetts, provided the drilling services under the supervision of Geraghty & Miller. Soil samples were collected on a continuous basis from each borehole with a 2-foot by 2-inch stainless steel split-barrel core sampler (split-spoon). Each 2-foot soil sample was field-screened for the presence of VOCs with a photoionization detector (PID) and described on sample/core logs. The PID produced no detectable readings during the course of field activities. The sample/core logs are presented as Appendix A. At each boring location, the four samples were composited, resulting in one soil sample per boring. Each sample was placed in pre-cleaned, laboratory-supplied containers and packed on ice prior to shipment to the laboratory for VOC (by USEPA Method 8240) and TPH (by USEPA Method 418.1) analyses. Sample RV-9A was submitted as a field replicate of sample RV-9. With the exception of acetone and methylene chloride, which were also detected in the laboratory blank sample, VOCs were not detected at concentrations above their method detection limits in the soil samples. The detection of acetone and methylene chloride in the laboratory blank sample raises doubt as to their presence in site soils. The soils analytical data indicate elevated concentrations of TPH in the samples from Borings RV-8 (120,000 ppm) and RV-10 (7,600 ppm). The soil sample from Boring RV-9 produced a TPH concentration of 580 ppm, while its replicate (RV-9A) produced a TPH concentration of 1,400 ppm. At a detection limit of 25 ppm, TPH were not detected in the soil sample from Boring RV-7. Tables 1 and 3 summarize the soils analytical data.

In addition to the five soil samples, three aqueous samples were submitted for laboratory analyses. After the collection of the soil sample from 6 feet to 8 feet bls in Boring RV-10, the boring was advanced to 15 feet bls and a temporary 2-inch slotted screen was installed in the open borehole. Approximately three gallons of water were bailed from the *temporary* screen, which allowed for the collection of a sediment-free sample (RV-10W). This sample was submitted for VOC (by USEPA Method 624) and TPH (by USEPA Method 418.1) analyses. An equipment blank (EB-1), collected after the completion of Boring RV-8, and a laboratory-supplied trip blank (TB-1), were also submitted for VOC analyses by USEPA Method 624. The ground-water analytical data indicate that VOCs and TPH were not detected above their respective method detection limits in any of the samples. Tables 2 and 4 are summaries of the aqueous analytical data.

The water and soil samples were packed on ice and shipped in a cooler via Federal Express next-day service to CompuChem Laboratories of Research Triangle Park, North Carolina. A copy of the chain-of-custody form is presented as Appendix B and the laboratory analytical data sheets are presented as Appendix C.

During an initial site inspection with Mr. Vincent J. Curro (owner of Ravin Auto Body), his attorney, and representatives of GE and Geraghty & Miller, an interior floor drain was observed at the rear of the building. Mr. Curro indicated that the drain is a 2-inch diameter, 8-foot long, steel pipe which extends beneath the building floor and terminates in a drum. The drain has served to collect meltwater from ice and snow on vehicles brought into the shop during the winter months. An attempt was made to collect a sample (solid or liquid) from the drum during the field investigation. However, the pipe was blocked at approximately 5.6 feet below the building floor, and a sample could not be obtained.

A review of property ownership records at the City of Pittsfield Deed Registry indicated that Mr. Curro has owned the Ravin Auto Body property since December 30, 1982. Between September 28, 1962 and December 30, 1982, Mr. Curro owned the property jointly with Mr. Raymond H. Tart. The property was owned by several individuals between 1922 and 1962. Prior to 1922, it was owned by E.D. Jones and Company. Asbestos-containing materials were not observed in or around the building, and underground storage tanks were not observed on the property. The building is heated by natural gas supplied by The Berkshire Gas Company.

Sincerely,

GERAGHTY & MILLER, INC.

Theodore N. Loukides
Project Scientist

Andrew J. Barber
Senior Associate

TNL:AJB/lmw
Attachments

Table 1. Summary of Analytical Results for Volatile Organic **Compounds** in Soil Samples, Ravin Auto Body, Pittsfield, Massachusetts.

Analyte (ug/kg)	Boring/Sample Designation: RV-7 Sample Collection Date: 9120191	RV-8 9/20/91	RV-9 9120191	RV-9A* 9120191	RV-10 9120191
Chloromethane	-	-	-	-	
Bromomethane	-	-	-	-	-
Vinyl Chloride	-		-	-	-
Chloroethane	-	-	-	-	-
Methylene Chloride	30B	42B	26B	21B	26B
Acetone	33B	23B	17B	15B	43B
Carbon Disulfide	-		-	-	
1,1-Dichloroethene	-		-	-	
1,1-Dichloroethane	-	-	-	-	
1,2-Dichloroethene (total)	-	-	-	-	-
Chloroform	-		-	-	-
1,2-Dichloroethane	-		-	-	-
2-Butanone	-	-	-	-	5J
1,1,1-Trichloroethane	-	-	-	-	-
Carbon Tetrachloride	-		-	-	-
Vinyl Acetate	-		-	-	
Bromodichloromethane	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-
cis-1,3-Dichloropropene	-		-	-	
Trichloroethene	-		-	-	
Dibromochloromethane	-		-	-	
1,1,2-Trichloroethane	-	-	-	-	-
Benzene	-	2J	-	-	8J
trans-1,3-Dichloropropene	-	-	-	-	-
2-Chloroethylvinylether	-	-	-	-	-
Bromoform	-	-	-	-	-
4-Methyl-2-Pentanone	-		-	-	
2-Hexanone	-	-	-	-	
Tetrachloroethene	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-		-	-	-
Toluene	-		-	-	3J
Chlorobenzene	-	-	-	-	-
Ethylbenzene	-	-	-	-	-

* Field replicate of RV-9.
ug/kg Micrograms per kilogram (ppb).
B Analyte detected in laboratory blank sample.
J Estimated value below method detection limit.
- Not detected.

Note: Matrix spike and matrix spike duplicate analyses performed on RV-7.

Table 1. Summary of Analytical Results for Volatile Organic Compounds in Soil Samples, Ravin Auto Body, Pittsfield, Massachusetts.

Analyte (ug/kg)	Boring/Sample Designation: RV-7 Sample Collection Date: 9120191	RV-8 9120191	RV-9 9/20/91	RV-9A* 9120191	RV-10 9120191
Styrene	-	-	-	-	-
Xylenes (Total)	-	-	-	-	4J
Iodomethane	-	-	-	-	-
Acrolein	-	-	-	-	-
Acrylonitrile	-	-	-	-	-
Trichlorofluoromethane	-	-	-	-	-
3-Chloropropene	-	-	-	-	-
1,1,2-Trichloro-1,2,2-trifluoromethane	2J	3J	-	-	-
1,1,1-Trichloro-2,2,2-trifluoromethane	-	-	-	-	-
Dibromomethane	-	-	-	-	-
Crotonaldehyde	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-
1,1,1,2-Tetrachloroethane	-	-	-	-	-
cis-1,4-Dichloro-2-butene	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-
trans-1,4-Dichloro-2-butene	-	-	-	-	-
Ethylmethacrylate	-	-	-	-	-
1,2-Dibromo-3-chloropropane	-	-	-	-	-

* Field replicate of RV-9.

ug/kg Micrograms per kilogram (ppb).

B Analyte detected in laboratory blank sample.

J Estimated value below method detection limit.

- Not detected.

Note: Matrix spike and matrix spike duplicate analyses performed on RV-7.

Table 2. Summary of Analytical Results for Volatile Organic Compounds in Water Samples, Ravin Auto Body, Pittsfield, Massachusetts.

Analyte (ug/L)	Boring/Sample Designation: RV-10W Sample Collection Date: 9120191	EB-1 9120191	TB-1 *
Chloromethane	-	-	-
Bromomethane	-	-	-
Vinyl Chloride	-	-	-
Chloroethane	-	-	-
Methylene Chloride	2BJ	2BJ	5BJ
Acetone	-	4BJ	3BJ
Carbon Disulfide	-	-	-
1,1-Dichloroethene	-	-	-
1,1-Dichloroethane	-	-	-
1,2-Dichloroethene (total)	-	-	-
Chloroform	-	-	-
1,2-Dichloroethane	-	-	-
2-Butanone	-	-	-
1,1,1-Trichloroethane	-	-	-
Carbon Tetrachloride	-	-	-
Vinyl Acetate	-	-	-
Bromodichloromethane	-	-	-
1,2-Dichloropropane	-	-	-
cis-1,3-Dichloropropene	-	-	-
Trichloroethene	-	-	-
Dibromochloromethane	-	-	-
1,1,2-Trichloroethane	-	-	-
Benzene	1J	-	-
trans-1,3-Dichloropropene	-	-	-
2-Chloroethylvinylether	-	-	-
Bromoform	-	-	-
4-Methyl-2-Pentanone	-	-	-
2-Hexanone	-	-	-
Tetrachloroethene	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-
Toluene	-	1J	-
Chlorobenzene	-	-	-
Ethylbenzene	-	-	-

* Not applicable; laboratory-supplied blank.
ug/L Micrograms per liter (ppb).
B Analyte detected in laboratory blank sample.
J Estimated value below method detection limit.
- Not detected.

Note: Matrix spike and matrix spike duplicate analyses performed on RV-10W.

Table 2. Summary of Analytical Results for Volatile Organic Compounds in Water Samples, Ravin Auto Body, Pittsfield, Massachusetts.

Analyte (ug/L)	Boring/Sample Designation: RV-10W Sample Collection Date: 9120191	EB-1 9120191	TB-1 *
Styrene	-	-	-
Xylenes (Total)	-	-	-
Iodomethane	-	-	-
Acrolein	-	-	-
Acrylonitrile	-	-	-
Trichlorofluoromethane	-	-	-
3-Chloropropene	-	-	-
1,1,2-Trichloro-1,2,2-trifluoromethane	-	-	-
1,1,1-Trichloro-2,2,2-trifluoromethane	-	-	-
Dibromomethane	-	-	-
Crotonaldehyde	-	-	-
1,2-Dibromoethane	-	-	-
1,1,1,2-Tetrachloroethane	-	-	-
cis-1,4-Dichloro-2-butene	-	-	-
1,2,3-Trichloropropane	-	-	-
trans-1,4-Dichloro-2-butene	-	-	-
Ethylmethacrylate	-	-	-
1,2-Dibromo-3-chloropropane	-	-	-

* Not applicable; laboratory-supplied blank.
ug/L Micrograms per liter (ppb).
B Analyte detected in laboratory blank sample.
J Estimated value below method detection limit.
- Not detected.

Note: Matrix spike and matrix spike duplicate analyses performed on RV-10W.

Table 3. Summary of Analytical Results for Total Petroleum Hydrocarbons (TPH) in Soil Samples, Ravin Auto Body, Pittsfield, Massachusetts.

Analyte	Boring/Sample Designation: Sample Collection Date:	RV-7 9120191	RV-8 9120191	RV-9 9120191	RV-9A* 9/20/91	RV-10 9120191
TPH (mg/kg)		-	120,000	580	1,400	7,600

* Field replicate of RV-9.

mg/kg Milligrams per kilogram (ppm).

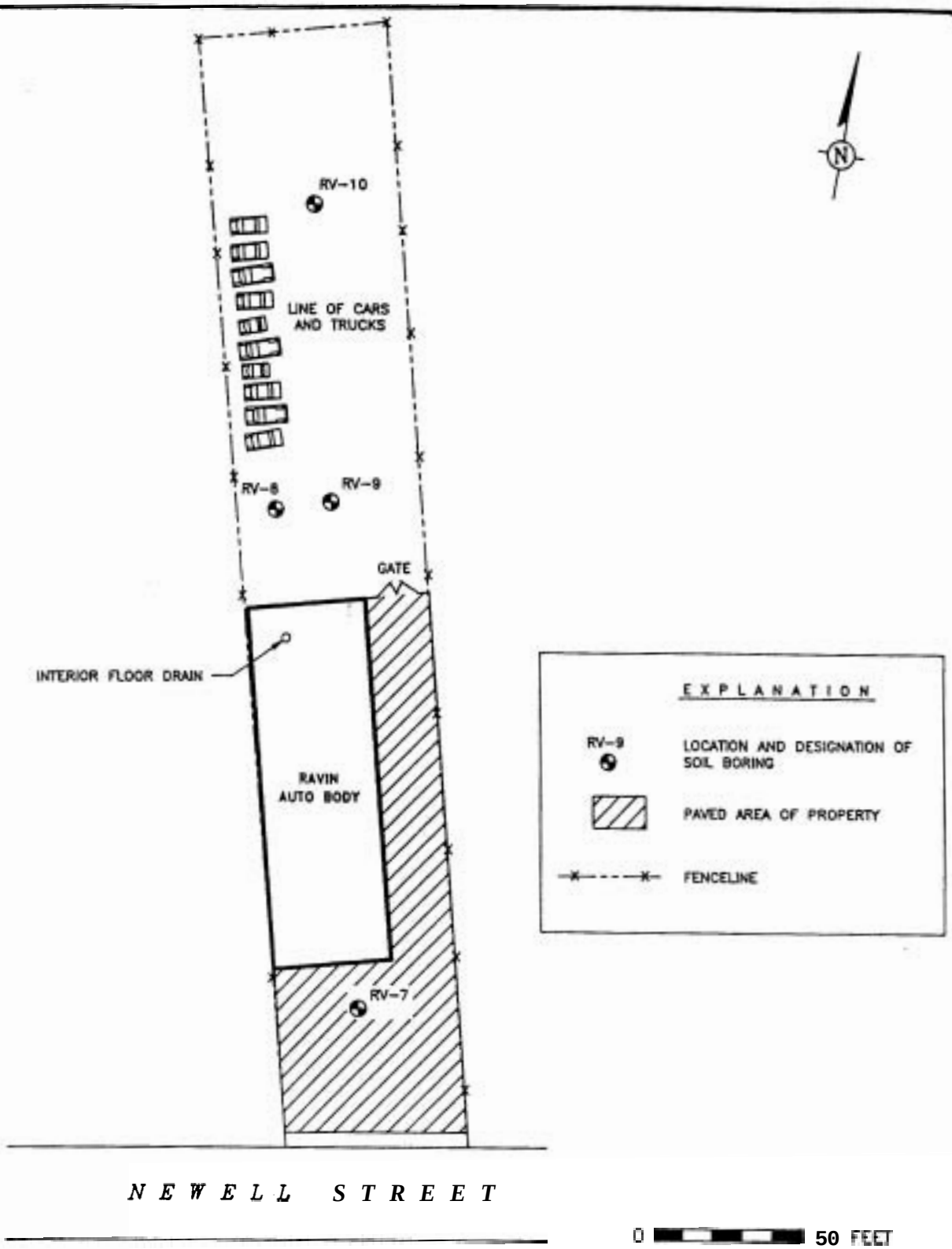
\- Not detected.

Note: Matrix spike and matrix spike duplicate analyses performed on RV-7 and RV-8 (soils).

Table 4. Summary of Analytical Results for Total Petroleum Hydrocarbons (TPH) in Water Samples, Ravin Auto Body, Pittsfield, Massachusetts.

Analyte	Sample Designation:	RV-10W	EB-1	TB-1
	Sample Collection Date:	9120191	9120191	*
TPH (mg/L)			NA	NA

* Not applicable; laboratory-suppliedblank.
mg/L Milligrams per liter (ppm).
- Not detected.
NA Not analyzed.



GERAGHTY & MILLER, INC.
Environmental Services

SOIL BORING LOCATIONS

RAVIN AUTO BODY
PITTSFIELD, MASSACHUSETTS

FIGURE 1

APPENDIX A

SAMPLE/CORE LOGS

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

B. ng/Well RV-7 Project/No. AY09701 Page 1 of 1

Site Location Ravin Auto Body, Neuell Street Drilling Started 9-20-91 Drilling Completed 9-20-91

Total Depth Drilled 8 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-Spoon

L-ngth and Diameter o Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

C ring Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller Ed C. Helper John M.

F pared E, A LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (ft below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
0	2	1.7	8-10-8-5	Auger through 3" of pavement: SAND (80%) light brown, fine to dark brom, medium, dry; Gravel (20%) small, subrounded.
2	4	2.0	4-5-6-8	SAND (95%) light brown, fine, dry, small amount (1") of dark brown sand on top; Gravel (5%) small, rounded.
4	6	2.0	6-8-7-6	Same as above.
6	8	1.8	4-6-4-7	SAND (95%) light-brom, fine, to gray brown, medium-grain; Gravel (5%) small, subrounded to rounded.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well RV-8 Project/No. AY09701 Page 1 of 1

Site Location Ravin Auto Body, Newell Street Drilling Started 9-20-91 Drilling Completed 9-20-91

Total Depth Drilled 8 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. ____ feet ☐ Surveyed ☐ Estimated Datum ____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller Ed C. Helper John M.

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
0	2	0.7	3-11-15-7	SAND (75%) dark brown, fine, moist; Gravel (20%) small to medium, subrounded;
				Brick (5%) red fragments.
2	4	0.2	5-7-5-5	Same as above, less brick, moist. Poor recovery.
4	6	1.2	3-3-1-1	Fill Material: plastic, wood, cellophane, glass, brick, coal slag (70%);
				Sand (20%) brown to orange, medium, mist; Gravel (10%) small.
6	8	2.0	3-4-6-11	Fill Material as above (10%), top 2"; SAND (90%) dark brown to black, fine,
				wet, well-sorted, with roots.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well RV-9 Project/No. AY09701 Page 1 of 1

Site Location Ravin Auto Body, Newell Street Drilling Started 9-20-91 Drilling Completed 9-20-91

Total Depth Drilled 8 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller Ed C Helper John M.

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (ft below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
0	2	1.7	12-24-12-11	SAND (80%) dark brown to black, medium, dry; Gravel (20%) small to medium, subangular to subrounded; trace white sandstone.
2	4	0.8	5-4-5-7	SAND (90%) dark brown, medium, dry; Gravel (10%) small, subrounded; metal came up around augers.
4	6	0.3	4-3-3-1	Same as above.
6	8	2.0	2-3-3-5	SAND (90%) dark brown to olive-brown, dry, tight; Gravel (10%) small, subrounded.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well RV-10 Project/No. AY09701 Page 1 of 1

Site Location Ravin Auto Body, Newell Street Drilling Started 9-20-91 Drilling Completed 9-20-91

Total Depth Drilled 8 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Ground-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller Ed C. Helper John M.

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure of Blows per 6 inches	Sample/Core Description
0	2	1.7	10-13-16-20	SAND (70%) brown to dark broun, medium, dry; Gravel (20%) small, subangular to subrounded; Fill Uaterial (10%) brick, wood, glass.
2	4	1.6	13-10-8-10	SAND (70%) brown to dark broun, medium, dry; Fill Material (25%) glass, wood, coal; Gravel (5%) small, subrounded.
4	6	1.3	5-5-3-7	SAND (75%) dark broun, medium, dry; Fill Material (20%) glass, wood, coal; Gravel (5%) small, subrounded.
6	8	2.0	3-3-2-2	SAND (90%) black, fine to medium, mist, tight; Gravel (10%) small, rounded.

APPENDIX B

CHAIN-OF-CUSTODY FORM

Environmental Services

Project Number: NY09101

Project Location: Ravin Auto, Newell

Laboratory: Compuchem

Sampler(s)/Affiliation: A. Labarge

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	4 oz glass VOCs by 8240	1 liter amber (TPH by) Total Petroleum Hydrocarbons	40 ml vials VOCs by 624						TOTAL
RV-7(0-8)	S			1	1							2
RV-8(0-8)	↓			1	1							2
RV-9(0-8)	↓			1	1							2
RV-9A(0-8)	↓			1	1							2
RV-10(0-8)	↓			1	1							2
RV-10W	L				1	2						3
EB-1	L					2						2
TB-1	L					2						2

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 17

Relinquished by: A. Labarge Received by:	Organization: Geraghty & Miller Organization:	Date 9/20/91 Time 6 P	Seal Intact? Yes (circled) No N/A
Relinquished by: Received by:	Organization: Organization:	Date / / Time	Seal Intact? Yes No N/A

Special Instructions/Remarks:

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex/8623068190 (SPECIFY) ☐ Lab Courier ☐ Other (SPECIFY)

APPENDIX C

LABORATORY ANALYTICAL DATA SHEETS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RV-7

Lab Name: COMPUCHEM,RTP Contract: 500077

Lab Code: COMPU Case No.: 24095 SAS No.: _____ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 446760

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH046760A13

Level: (low/med) LOW Date Received: 99/21/91

% Moisture: not dec. 5 Date Analyzed: 99/26/91

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	5	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	30	B
67-64-1	Acetone	33	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethylvinylether	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U
74-88-4	Iodomethane	11	U

107-02-8	Acrolein	95	U
107-13-1	Acrylonitrile	130	U
75-69-4	Trichlorofluoromethane	5	U
107-05-1	3-Chloropropene	16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	2	J
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	11	U
74-95-3	Dibromomethane	11	U
4170-30-3	Crotonaldehyde	110	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
764-71-0	cis-1,4-Dichloro-2-butene	16	U
96-18-4	1,2,3-Trichloropropane	16	U
764-71-0	trans-1,4-Dichloro-2-butene	16	U
96-18-4	Ethylmethacrylate	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U

RV-7

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RV-8

Lab Name: COMPUCHEM.RTP Contract: 500077

Lab Code: COMPU Case No.: 24095 SAS No.: _____ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 446764

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH046764A13

Level: (low/med) LOW Date Received: 09/21/91

% Moisture: not dec. 34 Date Analyzed: 09/26/91

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	15	U
74-83-9	Bromomethane	8	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	42	B
67-64-1	Acetone	23	B
75-15-0	Carbon Disulfide	8	U
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
540-59-0	1,2-Dichloroethene (total)	8	U
67-66-3	Chloroform	8	U
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon Tetrachloride	8	U
108-05-4	Vinyl Acetate	15	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	2	J
10061-02-6	Trans-1,3-Dichloropropene	8	U
110-75-8	2-Chloroethylvinylether	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-Pentanone	23	U
591-78-6	2-Hexanone	23	U
127-18-4	Tetrachloroethene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
100-42-5	Styrene	8	U
1330-20-7	Total Xylenes	8	U
74-88-4	Iodomethane	15	U

107-02-8	Acrolein	140	U
107-13-1	Acrylonitrile	180	U
75-69-4	Trichlorofluoromethane	8	U
107-05-1	3-Chloropropene	23	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	3	J
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	15	U
74-95-3	Dibromomethane	15	U
4170-30-3	Crotonaldehyde	150	U
106-93-4	1,2-Dibromoethane	8	U
630-20-6	1,1,1,2-Tetrachloroethane	8	U
764-71-0	cis-1,4-Dichloro-2-butene	23	U
96-18-4	1,2,3-Trichloropropane	23	U
764-71-0	trans-1,4-Dichloro-2-butene	23	U
96-18-4	Ethylmethacrylate	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U

RV-8

21095 1 SAMPLE DATA SUMMARY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RV-9

Lab Name: COMPUCHEM,RTP Contract: 500077

Lab Code: COMPU Case No.: 24095 SAS No.: _____ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 446765

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH046765A13

Level: (low/med) LOW Date Received:. 09/21/91

% Moisture: not dec. 28 Date Analyzed: 09/26/91

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	14	U
74-83-9	Bromomethane	7	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	26	B
67-64-1	Acetone	17	B
75-15-0	Carbon Disulfide	7	U
75-35-4	1,1-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
540-59-0	1,2-Dichloroethene (total)	7	U
67-66-3	Chloroform	7	U
107-06-2	1,2-Dichloroethane	7	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
108-05-4	Vinyl Acetate	14	U
75-27-4	Bromodichloromethane	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
79-01-6	Trichloroethene	7	U
124-48-1	Dibromochloromethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
71-43-2	Benzene	7	U
10061-02-6	Trans-1,3-Dichloropropene	7	U
110-75-8	2-Chloroethylvinylether	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	21	U
591-78-6	2-Hexanone	21	U
127-18-4	Tetrachloroethene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
100-42-5	Styrene	7	U
1330-20-7	Total Xylenes	7	U
74-88-4	Iodomethane	14	U

107-02-8	Acrolein	130	U
107-13-1	Acrylonitrile	170	U
75-69-4	Trichlorofluorornethane	7	U
107-05-1	3-Chloropropene	21	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	14	U
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	14	U
74-95-3	Dibromomethane	14	U
4170-30-3	Crotonaldehyde	140	U
106-93-4	1,2-Dibromoethane	7	U
630-20-6	1,1,1,2-Tetrachloroethane	7	U
764-71-0	cis-1,4-Dichloro-2-butene	21	U
96-18-4	1,2,3-Trichloropropane	21	U
764-71-0	trans-1,4-Dichloro-2-butene	21	U
96-18-4	Ethylmethacrylate	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U

RV-9

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RV-9A

Lab Name: COMPUCHEM,RTP Contract: 500077

Lab Code: COMPU Case No.: 24095 SAS No.: _____ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 446766

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH046766A13

Level: (low/med) LOW Date Received: 09/21/91

% Moisture: not dec. 28 Date Analyzed: 99/26/91

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	14	U
74-83-9	Bromomethane	7	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	21	B
67-64-1	Acetone	15	B
75-15-0	Carbon Disulfide	7	U
75-35-4	1,1-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
540-59-0	1,2-Dichloroethene (total)	7	U
67-66-3	Chloroform	7	U
107-06-2	1,2-Dichloroethane	7	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
108-05-4	vinyl Acetate	14	U
75-27-4	Bromodichloromethane	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
79-01-6	Trichloroethene	7	U
124-48-1	Dibromochloromethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
71-43-2	Benzene	7	U
10061-02-6	Trans-1,3-Dichloropropene	7	U
110-75-8	2-Chloroethylvinylether	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	21	U
591-78-6	2-Hexanone	21	U
127-18-4	Tetrachloroethene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
100-42-5	Styrene	7	U
1330-20-7	Total Xylenes	7	U
74-88-4	Iodomethane	14	U

107-02-8	Acrolein	130	U
107-13-1	Acrylonitrile	170	U
75-69-4	Trichlorofluoromethane	7	U
107-05-1	3-Chloropropene	21	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	14	U
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	14	U
74-95-3	Dibromomethane	14	U
4170-30-3	Crotonaldehyde	140	U
106-93-4	1,2-Dibromoethane	7	U
630-20-6	1,1,1,2-Tetrachloroethane	7	U
764-71-0	cis-1,4-Dichloro-2-butene	21	U
96-18-4	1,2,3-Trichloropropane	21	U
764-71-0	trans-1,4-Dichloro-2-butene	21	U
96-18-4	Ethylmethacrylate	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U

RV-9A

24095 1 SAMPLE DATA SUMMARY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RV-10

Lab Name: COMPUCHEM,RTP Contract: 500077

Lab Code: COMPU Case No.: 24095 SAS No.: _____ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 446767

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH046767B13

Level: (low/med) LOW Date Received: 09/21/91

% Moisture: not dec. 48 Date Analyzed: 99/26/91

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

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	19	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	19	U
75-00-3	Chloroethane	19	U
75-09-2	Methylene Chloride	26	B
67-64-1	Acetone	43	B
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	Chlorofo m	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	5	J
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	19	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	8	J
10061-02-6	Trans-1,3-Dichloropropene	10	U
110-75-8	2-Chloroethylvinylether	19	U
75-25-2	Bromoform	19	U
108-10-1	4-Methyl-2-Pentanone	29	U
591-78-6	2-Hexanone	29	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	19	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	4	J
74-88-4	Iodomethane	19	U

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107-02-8	Acrolein	170	U
107-13-1	Acrylonitrile	230	U
75-69-4	Trichlorofluoromethane	10	U
107-05-1	3-Chloropropene	29	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	19	U
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	19	U
74-95-3	Dibromomethane	19	U
4170-30-3	Crotonaldehyde	190	U
106-93-4	1,2-Dibromoethane	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
764-71-0	cis-1,4-Dichloro-2-butene	29	U
96-18-4	1,2,3-Trichloropropane	29	U
764-71-0	trans-1,4-Dichloro-2-butene	29	U
96-18-4	Ethylmethacrylate	19	U
96-12-8	1,2-Dibromo-3-chloropropane	19	U

RV-10

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RV-7MS

Lab Name: COMPUCHEM,RTP Contract: 500077

Lab Code: COMPU Case No.: 24095 SAS No.: SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 446761

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH046761A13

Level: (low/med) LOW Date Received: 09/21/91

% Moisture: not dec. 5 Date Analyzed: 09/26/91

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	5	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	25	B
67-64-1	Acetone	12	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethylvinylether	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U
74-88-4	Iodomethane	11	U

107-02-8	Acrolein	95	U
107-13-1	Acrylonitrile	130	U
75-69-4	Trichlorofluoromethane	5	U
107-05-1	3-Chloropropene	16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	11	U
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	11	U
74-95-3	Dibromomethane	11	U
4170-30-3	Crotonaldehyde	110	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
764-71-0	cis-1,4-Dichloro-2-butene	16	U
96-18-4	1,2,3-Trichloropropane	16	U
764-71-0	trans-1,4-Dichloro-2-butene	16	U
96-18-4	Ethylmethacrylate	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U

RV-9MS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

RV-7MSD

Lab Name: COMPUCHEM,RTP Contract: 500077

Lab Code: COMPU Case No.: 24095 SAS No.: _____ SDG No.: 1

Matrix: (soil/water) SOIL Lab Sample ID: 446762

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH046762A13

Level: (low/med) LOW Date Received: 09/21/91

% Moisture: not dec. 5 Date Analyzed: 09/26/91

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	5	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	20	B
67-64-1	Acetone	11	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethylvinylether	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U
74-88-4	Iodomethane	11	U

107-02-8	Acrolein	95	U
107-13-1	Acrylonitrile	130	U
75-69-4	Trichlorofluoromethane	5	U
107-05-1	3-Chloropropene	16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	11	U
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	11	U
74-95-3	Dibromomethane	11	U
4170-30-3	Crotonaldehyde	110	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
764-71-0	cis-1,4-Dichloro-2-butene	16	U
96-18-4	1,2,3-Trichloropropane	16	U
764-71-0	trans-1,4-Dichloro-2-butene	16	U
96-18-4	Ethylmethacrylate	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U

RV-7MSD

COMPUCHEM LABORATORIES, INC.

TOTAL PETROLEUM HYDROCARBONS
SUMMARY REPORT

ITEM NO.	SAMPLE IDENTIFIER	COMPUCHEM NUMBER	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
1.	RV-7	446768	BDL	25
2.	RV-8	446769	120000	25
3.	RV-9	446773	580	25
4.	RV-9A	446774	1400	25
5.	RV-10	446775	7600	25

BDL = BELOW DETECTION LIMIT

Reviewed by/ID#: [signature], 1599 Date: 9-27-91

Reviewed by/ID#: G. Griffith, Ph.D. / 1741 Date: 9-27-91

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RV-10W

Lab Name: COMPUCHEM,RTP Contract: 500077

Lab Code: _____ Case No.: 24095 SAS No.: _____ SDG No.: 911

Matrix: (soil/water) WATER Lab Sample ID: 446776

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN046776A03

Level: (low/med) LOW Date Received: 99/21/91

% Moisture: not dec. ____ Date Analyzed: 99/28/91

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	5	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	1	J
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethylvinylether	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U
74-88-4	Iodomethane	10	U

24095 911 COMPLE DATA SUMMARY

107-02-8	Acrolein	90	U
107-13-1	Acrylonitrile	120	U
75-69-4	Trichlorofluoromethane	5	U
107-05-1	3-Chloropropene	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	10	U
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	10	U
74-95-3	Dibromomethane	10	U
4170-30-3	Crotonaldehyde	100	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
764-41-0	cis-1,4-Dichloro-2-butene	15	U
96-18-4	1,2,3-Trichloropropane	15	U
764-71-0	trans-1,4-Dichloro-2-butene	15	U
96-18-4	Ethylmethacrylate	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
97-63-2	Ethylmethacrylate	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB-1

Lab Name: COMPUCHEM RTP Contract: 500077

Lab Code: _____ Case No.: 24095 SAS No.: _____ SDG No.: 011

Matrix: (soil/water) WATER Lab Sample ID: 446781

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN046781A03

Level: (low/med) LOW Date Received: 09/21/91

% Moisture: not dec. ____ Date Analyzed: 09/28/91

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	5	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJ
67-64-1	Acetone	4	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethylvinylether	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	1	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U
74-88-4	Iodomethane	10	U

24095 011 COMPLE DATA SUMMARY

107-02-8---------Acrolein	90	U
107-13-1---------Acrylonitrile	120	U
75-69-4----------Trichlorofluoromethane	5	U
107-05-1-- — ---3-Chloropropene	15	U
76-13-1----------1,1,2-Trichloro-1,2,2-trifluo	10	U
354-58-5---------1,1,1-Trichloro-2,2,2-trifluo	10	U
74-95-3----------Dibromomethane	10	U
4170-30-3--------Crotonaldehyde	100	U
106-93-4---------1,2-Dibromoethane	5	U
630-20-6---------1,1,1,2-Tetrachloroethane	5	U
764-41-0---------cis-1,4-Dichloro-2-butene	15	U
96-18-4----------1,2,3-Trichloropropane	15	U
764-71-0---------trans-1,4-Dichloro-2-butene	15	U
96-18-4----------Ethylmethacrylate	10	U
96-12-8----------1,2-Dibromo-3-chloropropane	10	U
97-63-2----------Ethylmethacrylate	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-1

Lab Name: COMPUCHEM.RTP Contract: 500077

Lab Code: _____ Case No.: 24095 SAS No.: _____ SDG No.: 911

Matrix: (soil/water) WATER Lab Sample ID: 446780

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN046780A03

Level: (low/med) LOW Date Received: 09/21/91

% Moisture: not dec. ____ Date Analyzed: 09/28/91

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	5	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	BJ
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethylvinylether	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U
74-88-4	Iodomethane	10	U

107-02-8	Acrolein	90	U
107-13-1	Acrylonitrile	120	U
75-69-4	Trichlorofluoromethane	5	U
107-05-1	3-Chloropropene	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	10	U
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	10	U
74-95-3	Dibromomethane	10	U
4170-30-3	Crotonaldehyde	100	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
764-41-0	cis-1,4-Dichloro-2-butene	15	U
96-18-4	1,2,3-Trichloropropane	15	U
764-71-0	trans-1,4-Dichloro-2-butene	15	U
96-18-4	Ethylmethacrylate	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
97-63-2	Ethylmethacrylate	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RV-10WMS

Lab Name: COMPUCHEM,RTP Contract: 500077

Lab Code: _____ Case No.: 24095 SAS No.: _____ SDG No.: 011

Matrix: (soil/water) WATER Lab Sample ID: 446777

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN046777A03

Level: (low/med) LOW Date Received: 09/21/91

% Moisture: not dec. ____ Date Analyzed: 09/28/91

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	5	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJ
67-64-1	Acetone	4	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	10	
79-01-6	Trichloroethene	5	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethylvinylether	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U
74-88-4	Iodomethane	10	U

107-02-8	Acrolein	90	U
107-13-1	Acrylonitrile	120	U
75-69-4	Trfchlorofluoromethane	5	U
107-05-1	3-Chloropropene	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	10	U
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	10	U
74-95-3	Dibromomethane	10	U
4170-30-3	Crotonaldehyde	100	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
764-41-0	cis-1,4-Dichloro-2-butene	15	U
96-18-4	1,2,3-Trichloropropane	15	U
764-71-0	trans-1,4-Dichloro-2-butene	15	U
96-18-4	Ethylmethacrylate	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
97-63-2	Ethylmethacrylate	10	U

446777

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RV-10WMSD

Lab Name: COMPUCHEM, RTP Contract: 500077

Lab Code: _____ Case No.: 24095 SAS No.: _____ SDG No.: 011

Matrix: (soil/water) WATER Lab Sample ID: 446778

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN046778A03

Level: (low/med) LOW Date Received: 09/21/91

% Moisture: not dec. ____ Date Analyzed: 09/28/91

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	5	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethylvinylether	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U
74-88-4	Iodomethane	10	U

107-02-8	Acrolein	90	U
107-13-1	Acrylonitrile	120	U
75-69-4	Trichlorofluoromethane	5	U
107-05-1	3-Chloropropene	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	10	U
354-58-5	1,1,1-Trichloro-2,2,2-trifluo	10	U
74-95-3	Dibromomethane	10	U
4170-30-3	Crotonaldehyde	100	U
106-93-4	1,2-Dibromoethane	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
764-41-0	cis-1,4-Dichloro-2-butene	15	U
96-18-4	1,2,3-Trichloropropane	15	U
764-71-0	trans-1,4-Dichloro-2-butene	15	U
96-18-4	Ethylmethacrylate	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
97-63-2	Ethylmethacrylate	10	U

46777

COMPUCHEM LABORATORIES, INC.

TOTAL PETROLEUM HYDROCARBONS
SUMMARY REPORT

ITEM NO.	SAMPLE IDENTIFIER	COMPUCHEM NUMBER	CONCENTRATION (mg/L)	DETECTION LIMIT (mg/L)
1.	RV-10W	446782	BDL	1

BDL = BELOW DETECTION LIMIT

Reviewed by/ID#: Rosarlow / 1599 Date: 9-30-91

Reviewed by/ID#: G. Griffith 1741 Date: 9-30-91

APPENDIX M

APPENDIX M

SOIL BORING LOGS

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well NS-1A Project/No. AY05402 Page 1 of 1

Site Location GE, Newell Street Parking Lot Drilling Started 5/22/91 Drilling Completed 5/23/91

Total Depth Drilled 24 feet Hole Diameter 6 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. ____ feet ☐ Surveyed ☐ Estimated Datum ____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller George Helper Butch

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	0.5	6-18-12-12	RN1AB0002	Auger through 2" asphalt: SAND (70%) brown, fine to medium;
					Gravel (30%) fine, subrounded to subangular.
2	4	0.2	12-16-11-11	RN1AB0204	Same as above.
4	6	0.1	10-9-8-9	RN1AB0406	SAND (40%) brown, medium; Gravel (10%) fine; Fill (50%) foil,
					waxed paper.
6	8	0.3	9-11-10-8	RN1AB0608	SAND (60%) dark brown to black, medium; Gravel (20%), fine;
					Fill Material as above (20%).
8	10	0.5	7-7-6-5	RN1AB0810	Fill/Natural Interface: SAND (90%) dark brown to black with
					roots and reeds; moist.
10	12	0.2	10-7-8-5	RN1AB1012	SAND (95%) dark brown, fine to medium, wet; Gravel (5%), fine,
					rounded.
12	14	1.0	4-7-9-7	RN1AB1214	SAND (80%) brown to olive-brown, fine to medium; Gravel (20%),
					fine (river sediments), well sorted, rounded, wet.
14	16	1.0	9-8-6-5	RN1AB1416	GRAVEL (80%) coarse to fine, rounded, poorly sorted; Sand (20%)
					brown to olive-brown, wet.
16	18	0.9	6-7-11-8	RN1AB1618	Same as above, wet.
18	20	1.2	4-3-6-5	RN1AB1820	Same as above, wet, trace oil sheen on sediments.
20	22	1.1	4-9-4-2	RN1AB2022	GRAVEL (95%) fine to coarse, subrounded to rounded; Sand (5%)
					olive-brown, fine, wet.
22	24	1.2	4-5-4-3	RN1AB2224	Same as above, wet. Depth to water=10 ft. Bottom of fill=9 ft.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well NS-2A Project/No. AY05402 Page 1 of 2

Site Location GE/Newell Street Parking Lot Drilling Started 11-12-91 Drilling Completed 11-12-91

Total Depth Drilled 24 feet Hole Diameter 6 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller E. Cotes Helper G. Rustemeyer

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLE ID	Sample/Core Description
0	2	0.9	14-14-60/1"	RN2AB0002	Auger through 3" asphalt: SAND (50%) brown, coarse, dry, loose;
					Gravel (50%) fine, rounded. Refusal on gray sandstone fragment.
2	4	0.6	11-24-22-16	RN2AB0204	SAND (50%) brown, coarse, dry, loose, to orange, fine to medium;
					Gravel (40%) fine to coarse, angular to rounded; Asbestos (10%)
					pieces.
4	6	2.0	6-6-7-7	RN2AB0406	SAND (95%) brown, orange, black, fine to coarse, dry to slightly
					mist, loose to slightly compact; Gravel (5%) fine, rounded;
					trace wood.
6	8	1.7	7-12-10-10	RN2AB0608	SAND (80%) as above; Gravel (20%) fine to medium, subrounded.
8	10	1.1	4-5-2-6	RN2AB0810	SAND (85%) brown to black, fine to coarse, moist, compact,
					slight odor; Gravel (10%) fine to medium, subrounded; Asbestos,
					paper (5%).
10	12	2.0	3-2-1-2	RN2AB1012	Fill/Natural Interface: 10-11 ft: SAND (30%) brow, orange,
					coarse, moist to wet; Gravel (20%) fine, subangular; trace
					asbestos, paper; 11-12 ft: Sand (50%) olive-brown, medium, wet,
					trace organics.
12	14	1.8	3-4-4-2	RN2AB1214	SAND (85%) olive-brow to brown, medium to coarse, wet; Gravel
					(15%) fine, rounded; odor.
14	16	0.5	5-3-3-4	RN2AB1416	Same as above, odor.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG (Cont.d)

Boring/Well NS-2A

Prepared By A LaBarge

Sample/Core Depth (feet below land surface) From	To	Con Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
16	18	1.2	8-4-24-56	RN2AB1618	SAND and GRAVEL mixture (60%) coarse, gray sand with fine,
					rounded, gravel; Wood (40%) appears to be a large root.
18	20	1.0	10-6-8-12	RN2AB1820	SAND (40%) gray, coarse, wet; Gravel (20%) fine, rounded;
					silty Sand (40%) light gray, very fine, wet at base of
					spoon and in shoe.
20	22	0.5	3-3-12-24	RN2AB2022	SILT (60%) light gray, very fine, wet; Gravel (20%) fine,
					rounded to subrounded; Sand (20%) gray, fine, wet;
					slight odor.
22	24	0.7	7-8-5-5	RN2AB2224	SAND and GRAVEL mixture (100%) coarse sand and fine, rounded
					gravel, wet, slight odor.
					Depth to Water = 12 feet
					Bottom of Fill = 11 feet

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well MS-5 Project/No. AY05402 Page 1 of 1

Site Location GE, Newell Street Parking Lot

Drilling Started 5/22/91 Drilling Completed 5/22/91

Total Depth Drilled 14 feet Hole Diameter 6 inches Type of Sample/ Coring Device Split-spoon

Length and Diameter of Coring Device 2', 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller George Helper Butch

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (test)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	0.5	9-10-18-21	RN05B0002	Auger through 2" asphalt: SAND (70%) brown to black, medium to fine; Gravel (30%) fine, rounded; trace brick fragments.
2	4	1.0	9-6-3-4	RN05B0204	SAND (60%) brown to black, fine to medium; Rock Fragments (30%) crushed, white; Gravel (10%) fine, rounded.
4	6	1.1	2-2-5-7	RN05B0406	SAND (100%) black, fine; trace brick fragments.
6	8	1.2	3-5-5-5	RN05B0608	SAND (90%) black, fine, Sand (10%) brown, very fine at base.
8	10	1 .	5-5-2-2	RN05B0810	Fill/Natural Interface: SAND (40%) top 4" black, fine; Sand (60%) brown, fine, mist; trace silt. Natural sediments at approximately 9 feet, trace roots and reeds.
10	12	20	3-2-2-6	RN05B1012	SAND (100%) olive-brown, fine, moist to wet.
12	14	2.0	2-2-3-4	RN05B1214	SAND (100%) olive-brown, fine at top, coarsening to base, wet. Natural river sediments.
					Depth to Water = 10 ft.
					Bottom of Fill = 9 ft.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

WS-6 AY05502

Boring/Well _____ Project/No. _____ Page 1 of 1

Site Location GE/Newell Street Parking Lot Drilling Started 11-12-91 Drilling Completed 11-12-91

Total Depth Drilled 14 feet Hole Diameter 6 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller E. Cotes Helper G Rustemeyer

Prepared By A LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	1.0	21-21-28-3	RN0680002	Auger through 3" asphalt: SAND (50%) brown, black, orange,
					coarse, dry, loose; Gravel (40%) fine to medium, subangular;
					Asbestos insulation, paper (10%).
2	4	0.9	6-12-10-6	RN0680204	SAND (80%) brown, black, orange, coarse, loose to slightly
					compact, slightly mist; Gravel (15%) fine to medium, sub-
					rounded; Fill (5%) metal, paper.
4	6	1.2	9-24-14-20	RN0680406	SAND (50%) brown, coarse, dry, to black, mist, fin; Gravel
					(50%) fin to coarse, subangular to subrounded; trace brick,
					cellophane.
6	8	1.6	21-16-12-13	RN0680608	SAND (90%) black, fine, dry, to olive-brown, fine, moist; trace
					roots in olive-brown sand near base of spoon; Gravel (10%)
					fine, rounded; slight odor.
8	10	1.5	12-30-14-10	RN0680810	Same as above.
10	12	2.0	10-4-7-9	RN0681012	SAND (95%) olive-brown, fine, moist to wet at base; abundant
					organics; Gravel (5%) very fin, rounded.
12	14	2.0	5-7-10-9	RN0681214	Same as above, net.
					Depth to Water = 12 feet
					Bottom of Fill = 8 feet

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well NS-7 Project/No. AY05402 Page 1 of 1

Site Location GE, Newell Street Parking Lot Drilling Started 5/26/91 Drilling Completed 5/24/91

Total Depth Drilled 16 feet Hole Diameter 6 inches Type of Sample/Coring Dwice Split-Spoon

Length and Diameter of Coring Dwice 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. ____ feet ☐ Surveyed ☐ Estimated Datum ____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller George Helper Butch

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Con Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAUPLE ID	Sample/Core Description
0	2	1.2	15-24-20-26	RN07B0002	SAND (70%) brown, fine to medium; Gravel (30%) fine to medium,
					subangular to subrounded.
2	4	1.3	15-12-12-'2	RN07B0204	SAND (80%) brown to black, medium to fine; Gravel (20%)
					fine to medium, subangular to subrounded; trace brick.
4	6	1.8	5-7-6-5	RN07B0406	SAND (95%) brown to black, fine to medium; Gravel (5%) fine to
					medium, subrounded.
6	8	-	11-13-8-7	RN07B0608	No recovery, spooned through void or pushing rock.
8	10	0.5	8-9-11-9	RN07B0810	Fill/Natural Interface: SAND (80%) brown to black, medium to
					fine; Gravel (20%) fine to medium, subrounded. Appear to be
					natural sediments at approximately 10 feet.
10	12	1.0	3-4-7-12	RN07B1012	SAND (90%) dark brown to brown, medium to coarse; Gravel (10%)
					fine to medium.
12	14	1.2	17-10-8-8	RN07B1214	SAND (50%) coarse, brown to olive-brown, wet; Gravel (50%) fin!
					to medium, well-rounded, moderately sorted, odor.
14	16	0.8	7-7-6-7	RN07B1416	SAND and GRAVEL Mixture (100%) olive-brown sand and coarse,
					rounded gravel.
					Depth to Water = 12 ft.
					Bottom of Fill = 10 ft.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well NS-8 Project/No. AY05402 Page 1 of 1

Site Location GE, Newell Street Parking Lot Drilling Started 5/21/91 Drilling Completed 5/21/91

Total Depth Drilled 14 feet Hole Diameter 6 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller George Helper Paul

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	1.3	9-22-18-12	RN0880002	Auger through 2" asphalt: SAND (75%) black to brown, fine to
					medium; Gravel (25%) fine to medium, rounded.
2	4	0.6	11-13-11-9	RN0880204	SAND (70%) brown to black, fine; Gravel (20%) fine, rounded;
					Wood fragments, Brick fragments (10%).
4	6	1.2	2-7-3-2	RN0880406	SAND (80%) black, fine; Gravel (10%) fine, rounded; Coal
					fragments (10%) black, charred; trace wood.
6	8	0.4	3-1-3-5	RN0880608	SAND (90%) black, fin; Gravel (10%) fine, rounded; trace wood
					fragments; mist.
8	10	1.2	1-3-1-1	RN0880810	Fill/Natural Interface: SAND (70%) black, fine to medium at top,
					change to olive-black, sandy silt at approximately 9.7 ft;
					Red, Roots (20%) uet; natural sediments at approximately 10
					feet. Gravel (10%) small, rounded, slight odor.
10	12	1.4	1-2-1-10	RN0881012	Silty SAND (50%) olive-brown, fine, with roots and reeds; Sand
					(40%) black, fine, slight odor; Gravel (10%) small, rounded,
					wet.
12	14	0.6	1-1-2-1	RN0881214	GRAVEL (64%) medium to large; Sand (40%) olive-brown, fine, wet;
					strong odor. Oily sheen on sediments from 12-14 feet.
					Depth to Water = 10 ft
					Bottom of Fill = 10 ft

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Environmental Services

SAMPLE/CORE LOG

Boring/Well NS-9 Project/No. AY05402 Page 1 of 2

Site Location GE, Newell Street Drilling Started 10/24/91 Drilling Completed 10/25/91

Total Depth Drilled 24 feet Hole Diameter 6 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. 985.0 feet ☒ Surveyed ☐ Estimated Datum NGVD 1929

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller E. Cotes Helper G. Rustemeyer

Prepared By A LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	1.2	12-12-12-16	RN0980002	SAND (50%) brown, medium, dry, loose; Gravel (50%) fine to
					mediun, subangular to subrounded.
2	4	0.2	20-12-7-8	RN0980204	SAND (75%) brown, medium, dry, loose; Gravel (25%) fine to
					medium, subangular.
4	6	1.6	11-8-17-7	RN0980406	SAND (90%) dark brown, medium, tight; Gravel (10%) fine,
					subangular to subrounded.
6	8	1.6	8-9-8-7	RN0980608	Same as above, slightly moist.
8	10	1.0	1-2-5-7	RN0980810	SAND (90%) brown-gray, medium to coarse, moist; Gravel (10%)
					fine, subrounded.
10	12	1.2	7-9-9-5	RN0981012	SAND (85%) brown to gray, medium to coarse, moist to wet; Gravel
					(15%) fine to mediun, subangular to subrounded.
12	14	0.4	9-8-8-9	RN0981214	Same as above.
14	16	1.0	7-8-13-12	RHO961416	SAND (50%) brown to gray, medium to coarse, wet; Gravel (50%)
					fine to coarse, subangular to subrounded.
16	18	2.0	12-12-8-8	RN0981618	SAND (90%) brown, gray to to black, coarse, wet; Gravel (10%)
					fine, subrounded to rounded.
18	20	2.0	11-8-8-10	RN0981820	SAND (60%) brown-gray to black, coarse, wet; Gravel (40%) fin
					to medium, subrounded to rounded.
20	22	1.2	5-7-54-45	RN0982022	SAND (75%) brown, fine, wet, to gray, fin at base; Gravel (25%)
					fine, rounded, in layers within sand.

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SAMPLE/CORE LOG (Cont.d)

Boring/Well MS-9

Prepared By A. LaBarge

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
22	24	1.0	55-53-10-10	RN09B2224	Same as above.
					Bottom of Boring = 24 ft
					Depth to Uater = 10 ft
					Set Well at 20 ft

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SAMPLE/CORE LOG

Boring/Well NS-10 Project/No. AY05402 Page 1 of 2

Site Location GE/Newell Street Parking Lot Drilling Started 11-15-91 Drilling Completed 11-15-91

Total Depth Drilled 20 feet Hole Diameter 6 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet

Land-Surface Elev. 984.8 feet ☒ Surveyed ☐ Estimated Datum NGVD 1929

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller E. Cotes Helper G. Rustemeyer

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	1.1	5-37-27-20	RN10B0002	Auger through 3" asphalt: SAND (60%) brown to yellw-brown, fine
					to coarse, dry, loose; Gravel (40%) fine to coarse, angular to
					subrounded.
2	4	1.2	2-7-7-9	RN10B0204	SAND (90%) layered black and white, coarse, dry, loose; Gravel
					(10%) fine, angular.
4	6	0.4	4-3-4-4	RN10B0406	SAND (80%) black, medium, dry, loose; Fill (20%) tar paper,
					cinders, yellow/white. Large metal wire drilled up around auger;
6	8	0.3	5-5-6-9	RN10B0608	SAND (70%) black, medium, moist; Gravel (10%) fine, angular;
					Concrete pieces (20%), white. Drilled up large metal/glass
					scraps. Slight odor.
8	10	1.0	4-2-3-13	RN10B0810	Top 6" - SAND (40%) black, coarse, moist with glass, wood, metal
					Fill (10%). Bottom 6" - Silty Send (50%) olive-green to black,
					fine, wt.
10	12	1.2	4-2-3-13	RN10B1012	Silty SAND (50%) as above, olive-green, very fine, wet; change
					to coarse Sand/medium, rounded Gravel mixture (50%); olive-brown
					send, strong odor.
12	14	1.9	2-4-3-4	RN10B1214	Same as above, wet, strong odor.
14	16	0.4	2-1-1-2	RN10B1416	Same as above, wt, odor weakening.
16	18	20	3-3-4-5	RN10B1618	Same as above, uet, odor.

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Environmental Services

SAMPLE/CORE LOG (Cont.d)

Boring/Well NS-10

Prepared By A. LaBarge

Sample/Core Rpth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
15	20	2.3	4-3-3-2	RN10B1820	SAND and GRAVEL mixture (70%) coarse, olive-green sand with coarse to medium, rounded, gravel; silty Sand (30%) olive-green, fine, uet, odor.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well NS-11 Project/No. AV05402 Page 1 of 1

Site Location GE-Newell Street Parking Lot Drilling Started 12/10/91 Drilling Completed 12/10/91

Total Depth Drilled 20 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet

Land-Surface Elev. 984.8 feet ☒ Surveyed ☐ Estimated Datum NGVD 1929

Drilling Fluid Used None Drilling Method 8 1/4" Hollow Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller F. Newton Helper G. Rustemeyer

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inch	SAMPLE ID	Sample/Core Description
0	2	2.0	7-15-14-25	RN11B0002	GRAVEL (80%) coarse to fine, subround; Sand (20%) brown, coarse to fine; poorly sorted, semi-compact, moist.
2	4	0.5	24-18-18-30	RN11B0204	GRAVEL (40%) as above; Sand (40%) as above; Brick (20%); poorly sorted, damp.
4	6	0.6	16-21-16-13	RN11B0406	Same as above (slight odor).
6	8	1.0	8-9-9-8	RN11B0608	SAND (60%) black-brown, coarse to medium; Gravel (30%) coarse to fine, sub-round; Assorted Material (10%) brick, wire, glass, cinders; poorly sorted, slight odor, moist.
8	10	1.0	8-10-6-3	RN11B0810	ASSORTED MATERIAL (60%) cinders, glass; Sad (35%) black-brown, coarse to fine; Silt (5%) grey-brown (lower section); poorly sorted, odor, sheen, wet-saturated.
10	12	0.4	1-1-1-9	RN11B1012	Same as above.
12	14	0.0	16-13-10-9		No recovery.
14	16	1.2	7-9-7-8	RN11B1416	SILT (70%) brown, grey, green, trace micaceous; Gravel (20%) medium, subangular, stained black; Sand (10%) brow-black, coarse to fine; odor, wet-saturated.
16	18	2.0	8-8-7-18	RN11B1618	SILT (80%) green-brown, trace micaceous; Sand (20%) brow, fin; trace gravel, mist-wet.
18	20	2.0	11-14-14-16	RN11B1820	Same as above.
					End of Boring; Water at 9.0 feet

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Environmental Services

SAMPLE/CORE LOG

Boring/Well NS-12 Project/No. AY05402 Page 1 of 1

Site Location GE, Newell Street Parking Lot

Drilling Started 5/22/91 Drilling Completed 5/22/91

Total Depth Drilled 16 feet Hole Diameter 6 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller George Helper Butch

Prepared By A LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	0.6	10-12-15-22	RN12B0002	SAND (80%) brown to black, medium to coarse; Gravel (20%) fine,
					subangular to subrounded.
2	4	0.3	3-9-26-10	RN12B0204	SAND (90%) dark brown, fine to medium; Gravel (10%) fine, sub-
					rounded; trace brick.
4	6	0.2	7-7-6-6	RN12B0406	CONCRETE (60%) broken fragments; Sand (40%) brown, fine to
					coarse; trace glass, wood.
6	8	0.6	4-11-14-9	RN12B0608	SAND (60%) black to dark brown; medium, Coal (40%) black,
					charred; trace glass and wood.
8	10	1.5	5-3-4-5	RN12B0810	COAL (50%) crushed, black, saturated; Sand (50%) olive-brown,
					fine, at approximately 9 ft; odor.
10	12	1.8	6-3-6-8	RN12B1012	Fill/Natural Interface: Top 5" - SAND (20%), black and brown,
					medium; Coal (30%) crushed, black, in middle of spoon;
					Bottom 1 ft - Sand (50%) olive-brow, fine, wet.
12	14	1.2	6-3-3-4	RN12B1214	Sandy GRAVEL (100%); olive-brown sand mixed with gravel, fine,
					rounded, odor, saturated.
14	16	1.5	4-2-2-7	RN12B1416	Same as above, oily sheen on sediments.
					Depth to Water = 11 ft.
					Bottom of Fill = 11 ft.

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Environmental Services

SAMPLE/CORE LOG

Boring/Well NS-13 Project/No. AY05402 Page 1 of 1

Site Location GE, Newell Street Parking Lot Drilling Started 5/21/91 Drilling Completed 5/21/91

Total Depth Drilled 16 feet Hole Diameter 6 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller George Helper Paul

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLE ID	Sample/Core Description
0	2	1.2	4-5-12-8	RN13B0002	Auger through 2" asphalt: SAND (40%) brown at top, black at
					base, fine to medium; Gravel (60%) fine to medium, rounded;
					trace mica fragments.
2	4	1.7	5-7-6-9	RN13B0204	SAND (95%) brown, black, and white, fine to medium; Gravel (5%)
					fine, rounded; fill.
4	6	0.3	4-10-17-20	RN13B0406	SAND (80%) black, fine to medium; Foil, Waxed Paper, Ceramic
					Chips, Coal Fragments (20%); slight odor.
6	8	-	7-6-6-6	RN13B0608	No recovery, drilling through fill or void spaces.
8	10	0.2	5-6-3-2	RN13B0810	SAND (95%) black, fine to medium, strong odor;
					Gravel (5%) fine, rounded, moist. Drilled up tin cans, scrap
					aluminum, capacitor parts, oil rags, cable wires.
10	12	1.1	1-1-2-2	RN13B1012	PEAT (40%) brown, very light-weight; Sand (40%) brown, fine to
					medium; Wood Fragments (20%); change to olive-brown sand at
					base (1").
12	14	1.1	2-3-3-3	RN13B1214	Fill/Natural Interface: Sand SILT (90%) olive-brown, fine; River
					Sediments (10%) pebbles, rounded, small, wet, slight odor.
14	16	1.7	4-3-4-4	RN13B1416	SAND (60%) olive-green/brown, fine to medium; Gravel (40%) fine,
					rounded, well-sorted, wet.
					Depth to Water = 10 ft
					Bottom of Fill = 12 ft

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Environmental Services

SAMPLE/CORE LOG

Boring/Well NS-14 Project/No. AY05402 Page 1 of 1

Site Location GE, Newell Street Parking Lot Drilling Started 5/23/91 Drilling Completed 5/24/91

Total Depth Drilled 14 feet Hole Diameter 6 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller George Helper Butch

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	1.0	7-12-13-14	RN14B0002	SAND (60%) brown, fine to medium; Gravel (40%) coarse, rounded.
					Some clothing fabric in shoe.
2	4	1.5	20-13-9-7	RN14B0204	SAND (90%) brown, black, gold, fine to medium; Gravel (10%)
					fine, rounded.
4	6	1.8	2-1-1-1	RN14B0406	SAND (100%) black and yellow, fine to medium.
6	8	2.0	1-1-1-1	RN14B0608	Fill/Natural Interface: SAND (10%) black, fine, (top 1")-change
					to olive-green Sand (90%), fine, with roots, trace orange
					mottling.
8	10	1.8	4-3-4-7	RN14B0810	SAND (80%) olive-brown, stained black, fine; Gravel (20%) river
					sediments, rounded, well-sorted, strong odor.
10	12	1 .	11-13-11-14	RN14B1012	SAND (60%), stained black, medium, moist to wet, hydrocarbon
					odor; Sand (30%) olive-green, very fine, wet; Gravel (10%) fine,
					rounded.
12	14	1.2	5-5-7-6	RN14B1214	SAND and medium to coarse GRAVEL mixture (100%) stained black,
					saturated, oily sheen, very strong odor.
					Depth to Water = 10 ft.
					Bottom of Fill = 7 ft.

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well GE-9 Project/No. AY05402 Page 1 of 1

Site Location GE-Wooded Lot (E of Newell St. Parking Lot) Drilling Started 12/12/91 Drilling Completed 12/12/91

Total Depth Drilled 12 feet Hole Diameter 2 inches Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet

Land-Surface Elev. ____ feet ☐ Surveyed ☐ Estimated Datum ____

Drilling Fluid Used None Drilling Method Tripod and Hammer

Drilling Contractor Clean Berkshires, Inc. Driller F. Newton Helper G. Rustemeyer

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Con Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLE ID	Sample/Core Description
0	2	2.0	1-2-4-2	RNG090002	Fill - SAND (50%) brown, coarse to fine; Silt (50%) brown;
					organics, (top soil), mist.
2	4	1.2	6-3-4-2	RNG090204	Fill - SAND (40%) brown, coarse to fine; Silt (40%) brown; Sand
					(20%) black, fine with white particles (salt and pepper); trace
					gravel, cinders, damp-moist.
4	6	0.4	2-2-2-2	RNG090406	Fill/Natural - SAND (70%) brown, coarse to medium, semi-loose;
					Silt (20%) brown; Gravel (10%) coarse to fine, subangular to
					subround; poorly sorted, damp.
6	8	2.0	2-2-1-2	RNG090608	SAND (50%) brown, coarse to fine; Silt (50%) brown; trace
					black speckling (organics?), soft, mist-wet.
8	10	1.8	3-4-6-8	RNG090810	SAND (60%) brown, coarse to medium; Gravel (40%) fine, trace
					coarse to medium; trace silt, wet.
10	12	1.8	6-4-6-8	RNG091012	Same as above.
	12				End of Boring
					Water at 8.0 feet

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SAMPLE/CORE LOG

Boring/Well GE-10 Project/No. AY05402 Page 1 of 1

Site Location GE-Wooded Lot (E of Newell St. Parking Lot) Drilling Started 12/11/91 Drilling Completed 12/11/91

Total Depth Drilled 12 feet Hole Diameter 2 inches Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet

Land-Surface Elev. ____ feet ☐ Surveyed ☐ Estimated Datum ____

Drilling Fluid Used None Drilling Method Tripod *end* Hammer

Drilling Contractor Clean Berkshires, Inc. Driller F. Newton Helper G Rustemeyer

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	1.8	2-1-4-3	RNG100002	SAND (50%) brown, coarse to fin; Gravel (25%) coarse to fins,
					subround; Silt (25%) brown; poorly sorted, moist.
2	4	2.0	7-9-5-7	RNG100204	Same as above.
4	6	1.1	7-4-3-4	RNG100406	SAND (95%) brown-orange, coarse to medium, semi-loose; Gravel
					(5%) coarse to fine, subangular; damp-moist.
6	8	1.5	6-6-8-8	RNG100608	Same as above.
8	10	1.0	22-16-11-8	RNG100810	GRAVEL (60%) coarse to fine, subround; Sand (40%) brown, coars
					to dim; trace silt, poorly sorted, mist-wet.
10	12	2.0	9-8-4-3	RNG101012	Same as above (wet-saturated).
	12				End of Boring
					Water at 10.0 feet

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SAMPLE/CORE LOG

Boring/Well RB-6 Project/No. AY05402 Page 1 of 1

Site Location GE - Newell Street Parking Lot Drilling Started 5-21-91 Drilling Completed 5-21-91

Total Depth Drilled 4 feet Hole Diameter 4 inches Type of Sample/ Coring Device Hand Auger

Length and Diameter of Coring Device 1" x 4" Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method

Drilling Contractor _____ Driller _____ Helper _____

Prepared By A. LaBarge Hammer Weight _____ Hammer Drop _____ inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLE ID	Sample/Core Description
0	2			RNRB60002	SAND (70%) brown, fine to medium; Silt (20%) brown to dark brown, slightly micaceous; Gravel (10%) fine, varicolored, subangular.
2	4			RNRB60204	SAND (50%) brown to dark brown, fine; Silt (40%) dark brown to dark gray, micaceous; Gravel (10%) fine, varicolored, subangular to subrounded.

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Environmental Services

SAMPLE/CORE LOG

Boring/Well GE-12 Project/No. AY05402 Page 1 of 1

site Location GE-Moldmaster Parking Lot (Newell Street) Drilling Started 12/11/91 Drilling Completed 12/11/91

Total Depth Drilled 14 feet Hole Diameter 2 inches Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method Tripod and Hammer

Drilling Contractor Clean Berkshires, Inc. Driller F. Newton Helper G. Rustemeyer

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	2.0	11-5-7-16	RNG120002	SAND (80%) brown, coarse to medium; Gravel (20%) coarse to fine,
					subround; poorly sorted, trace silt, moist.
2	4	2.0	7-5-3-5	RNG120204	SAND (50%) brown, coarse to medium, loose; Silt (25%) brown;
					Gravel (25%) coarse to fine, subround; moderately well sorted,
					moist.
4	6	2.0	4-4-3-3	RNG120406	SAND (90%) brown, coarse to medium, loose, Gravel (10%) coarse
					to fine, subround; trace silt, damp-moist.
6	8	2.0	4-3-3-3	RNG120608	Same as above.
8	10	1.0	3-2-3-3	RNG120810	Upper 75% same as above; lower 25% GRAVEL (80%) coarse to fine,
					round to subround; Sand (20%) brown, coarse to fine; poorly
					sorted, semi-compact, moist-wet.
10	12	1.5	3-4-6-10	RNG121012	GRAVEL and SAND (same as lower above).
12	14	1.0	7-13-8-5	RNG121214	Same as above.
	14				End of Boring
					Water at 10.0 feet

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Environmental Services

SAMPLE/CORE LOG

Boring/Well GE-11 Project/No. AY05402 Page 1 of 1

Site Location GE-Wooded Lot (east of Newell St. Pk. lot) Drilling Started 12/12/91 Drilling Completed 12/12/91

Total Depth Drilled 12 feet Hole Diameter 2 inches Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet

Land-Surface Elev. ____ feet ☐ Surveyed ☐ Estimated Datum ____

Drilling Fluid Used None Drilling Method Tripod and Hammer

Drilling Contractor Clean Berkshires, Inc. Driller F. Newton Helper G Rustemeyer

Prepared By S. Beames Hammer Weight 140# Hammer Drop ____ inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	2.0	3-7-7-7	RNG110002	Fill - SAND (80%) brown, coarse to fine, semi-loose; Gravel
					(15%) coarse to fine, subroud; Assorted Fill (5%) screws,
					cellophane-like material, brick; poorly sorted, damp.
2	4	2.0	6-5-6-6	RNG110204	Fill - SAND (95%) brown, coarse to medium, semi-loose, well
					sorted; Gravel (5%) coarse to fine, subround; trace brick, "salt
			-	-	and pepper" material, damp.
4	6	1.5	6-6-6-8	RNG110406	SAND (90%) brown, coarse, trace medium, semi-loose; Gravel
					(10%) coarse to medium, angular to subangular; poorly sorted,
					damp.
6	8	1.0	7-5-5-4	RNG110608	SAND (50%) brown, coarse; Gravel (50%) coarse to medium,
					subroud to rounded; poorly sorted, semi-loose, damp.
8	10	1.1	10-13-7-5	RNG110810	Same as above (wet).
10	12	1.0	5-4-4-5	RNG111012	Same as above (trace grey silt in shot; wet-saturated).
	12				End of Boring
					Water at 10.0 feet

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well RB-7 Project/No. AY05402 Page 1 of 1

Site Location GE - Newell Street Parking Lot Drilling Started 5-21-91 Drilling Completed 5-21-91

Total Depth Drilled 4 feet Hole Diameter 4 inches Type of Sample/ Coring Device Hand Auger

Length and Diameter of Coring Device 1' x 4" Sampling Interval 2 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Drilling Fluid Used None Drilling Method

Drilling Contractor Driller Helper

Prepared By A. LaBarge Hammer Weight Hammer Drop inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLE ID	Sample/Core Description
0	2	-	-	RNRB70002	SAND (60%) brown, fine to medium; Silt (30%) brown to dark brown, micaceous; Gravel (10%), fine, varicolored, subangular to subrounded.
2	4	-	-	RNRB70204	SAND (50%) brown to dark brown, fine; Silt (30%) dark brown to dark gray, micaceous; Gravel (20%) fine, varicolored, subrounded.

APPENDIX N

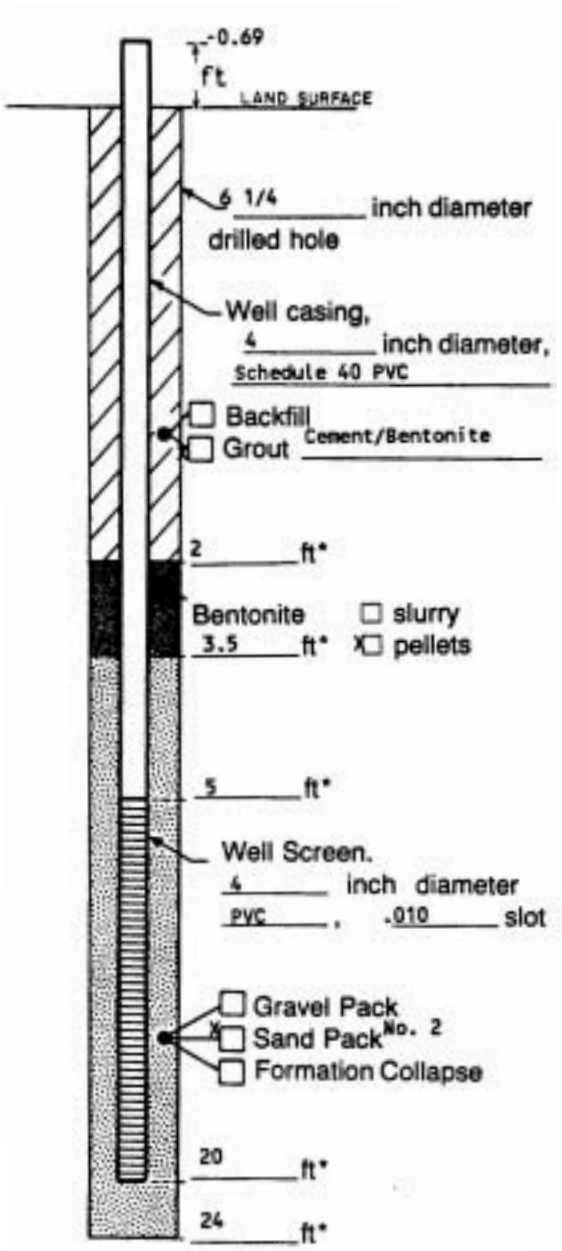
APPENDIX N

WELL CONSTRUCTION DETAILS

GERAGHTY & MILLER, INC.
Environmental Services

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project AY05402 Well MS-9

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation

and Datum 983.0 feet NGVD 1929 ☐ Surveyed ☐ Estimated

Installation Date(s) 10-25-91

Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc.

Drilling Fluid _____

Development Technique(s) and Date(s)
Bladder Pump, 10-28-91

Fluid Loss During Drilling _____ gallons

Water Removed During Development 220 gallons

Static Depth to Water 10.74 feet below M.P.

Pumping Depth to Water 19.0 feet below M.P.

Pumping Duration 0.6 hours

Yield _____ gpm Date 10/28/91

Specific Capacity _____ gpm/ft

Well Purpose Ground-water Monitoring Well

Remarks
Backfilled 4' with sand.

Prepared by A. LaBarge

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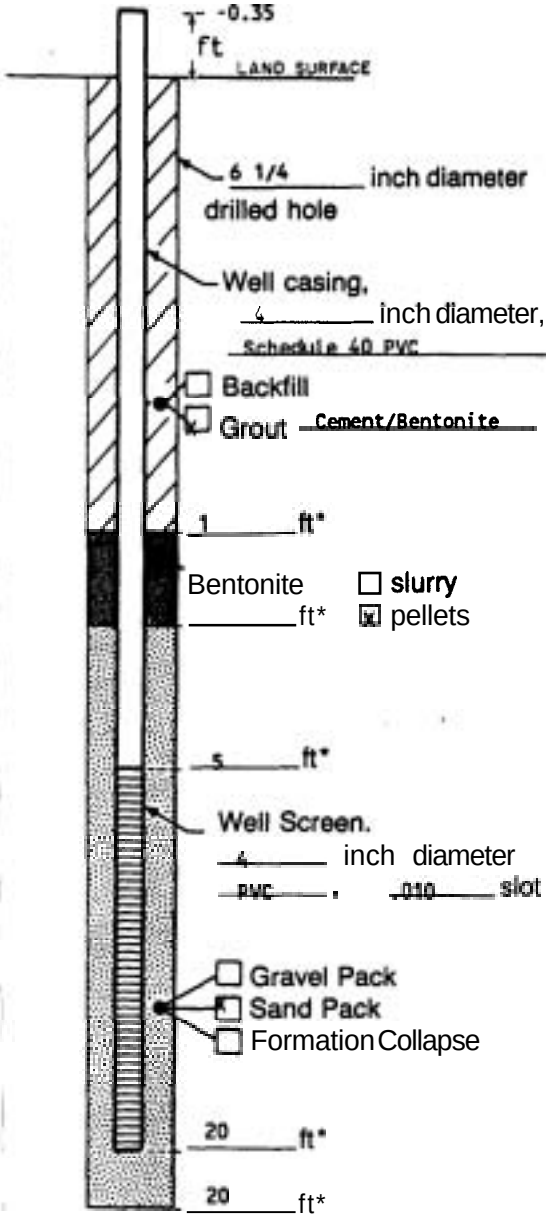
WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless **Otherwise** Noted.

'Depth Below Land Surface

Project AY05402 Well YS-10

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation

and Datum 984.8 feet ☐ Surveyed
NGVD 1929 ☐ Estimated

Installation **Date(s)** 11-15-91

Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc.

Drilling Fluid None

Development **Technique(s)** and **Date(s)**
Bladder Pump 11/20/91

Fluid Loss During Drilling _____ gallons

Water Removed During Development 220 gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration 1 hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose
Ground-Water Monitoring Well

Remarks
Depth to Water = 9 feet

Prepared by A. LaBarge

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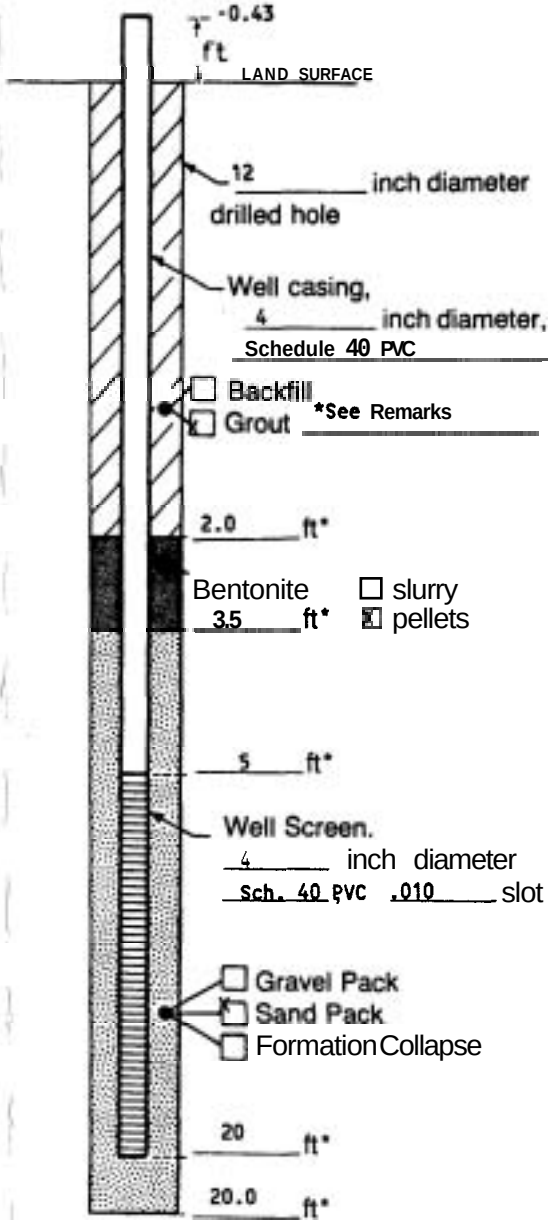
WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project AY05402 Well NS-11

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation

and Datum 984.8 feet NGVD 1929 ☐ Surveyed ☐ Estimated

Installation Date(s) 12/10/91

Drilling Method 8 1/4" Hollow Stem Auger

Drilling Contractor Clean Berkshires, Inc.

Drilling Fluid None

Development Technique(s) and Date(s)
Bladder Pump 12/11/91

Fluid Loss During Drilling NA gallons

Water Removed During Development 275 gallons

Static Depth to Water 10.47 feet below M.P.

Pumping Depth to Water 18.0 feet below M.P.

Pumping Duration 1 hours

Yield _____ gpm Date 12/11/91

Specific Capacity _____ gpm/ft

Well Purpose
Ground-Water Monitoring

Remarks
6 Bass Grade 2 (#1) Sand
2 Buckets Bentonite Pellets

Prepared by S. Beames

APPENDIX O

APPENDIX O

RESULTS OF OXBOW F INVESTIGATION

Table 0-1. Summary of Photoionization Detector (PID) Readings for Soil Samples, Oxbow Area F, GE Company, Pittsfield, Massachusetts.

Boring Number	Sample Depth* and Correlating PID Reading **								
	(0-2)	(2-4)	(4-6)	(6-8)	(8-10)	(10-12)	(12-14)	(14-16)	(16-18)
F-1	0.2	1.4	0.0	2.8	0.2	0.2	1.0	0.0	5.8
F-2	0.4	3.4	0.1	0.3	8.4	1.3	-	-	-

* In feet below land surface.

** These results are qualitative only and do not represent the absolute concentrations of any volatile organic compound in the soil core, whether the compound is natural or man-made.

- Not appiicable; boring did not extend to this depth.

Table O-2. Summary of Detected **Analytes** in Soil Samples, Oxbow Area **F,** GE Company, **Pittsfield, Massachusetts.**

Analyte	Boring Number:	F-1	F-2
	Sample Depth:	16'-18'	8'-10'
	Collection Date:	11/14/91	11/14/91
Volatile Organic Compounds (ug/kg)			
Methylene chloride		56 B	35 B
Acetone		21 B	18 B
Chloroform		3 J	-
Ethylbenzene		-	80
Xylene (total)			42
Chlorobenzene			150
Semivolatile Organic Compounds (ug/kg)			
Phenanthrene		4,500	1,700
Di-n-butylphthalate		-	360 J
Fluoranthene		3,500	1,100
Pyrene		2,800	970
Benzo(a)anthracene		1,800	620
Chrysene		1,700	1,400
bis(2-Ethylhexyl)phthalate		84 J	-
Benzo(b)fluoranthene		2,600 X	1,200 X
Benzo(k)fluoranthene		2,600 X	1,200 X
Benzo(a)pyrene		1,400	530
Aniline		-	260 J
Indeno(1,2,3-cd)pyrene		710	320 J
Benzo(g,h,i)perylene		720	380
Anthracene		1,100	270 J
Acenaphthylene		120 J	-
1-Methylnaphthalene		240 J	-
Naphthalene		340 J	100 J
Dibenzofuran		720	280 J
Acenaphthene		760	350 J
Dibenz(a,h)anthracene		220 J	110 J
Fluorene		1,100	300 J
o-Phenylenediamine		2,200	-
1-Naphthylamine		56 J	-
N-Nitrosodiphenylamine		110 JX	-
4-Aminobiphenyl		80 J	-
Benzidine		720	-
2-Methylnaphthalene		160 J	-
Diphenylamine		1,100 JX	-
Sulfide (mg/kg)		37.1	
Phenols (total) (mg/kg)			0.72

See last page for footnotes.

Table 0-2. Summary of Detected **Analytes** in Soil Samples, Oxbow Area F, GE Company, **Pittsfield,** Massachusetts.

Analyte	Boring Number: F-1 Sample Depth: 16'-18' Collection Date: 11/14/91	F-2 8'-10' 11/14/91
Metals (mg/kg)		
Aluminum	8,460	5,730
Arsenic	1.4 **	7.0 A**
Barium	24.0 BN	78.5 N**
Beryllium	0.36 B	0.23 B
Calcium	24,300 E**	35,800 E**
Cadmium	-	1.5 N
Chromium	9.3 EN	54.5 EN
Cobalt	8.1 **	8.0 **
Copper	15.8 **	349 **
Iron	20,900 E**	19,400 E**
Lead	28.9 A**	681 E
Magnesium	17,000	18,700
Manganese	270 E**	474
Mercury	-	0.54 N
Nickel	14.4 N**	26.4 N**
Potassium	977	577
Sodium	119 B	102 B
Vanadium	10.8	10.1
Zinc	50.8 E**	405 E**
Dioxins/Furans (ng/g)		
PeCDD	-	0.29
HxCDD	-	0.62
HpCDD	-	0.60
OCDD	-	0.85
2,3,7,8 TCDF	-	2.4
TCDF	-	10.6
PeCDF	-	11.9
HxCDF	-	9.4
HpCDF	-	4.0
OCDF	-	2.0
Polychlorinated Biphenyls (mg/kg)		
PCB-1254	6.8	850

See last page for footnotes.

Table O-2. Summary of Detected **Analytes** in Soil Samples, Oxbow Area F, GE Company, **Pittsfield,** Massachusetts.

	Boring Number:	F-1	F-2
	Sample Depth:	16'-18'	8'-10'
	Collection Date:	11/14/91	11/14/91
Analyte			

Footnotes

A **Results** reported from single-point method-of-standard addition calculation.
B For VOCs - Indicates the compound was found in the associated blank as **well** as in the sample.
B For Metals - Indicates the reported value is less than the contract required detection limit (CRDL), but greater than the instrument detection limit **(IDL).**
E Indicates the reported value is estimated because of the presence of interference.
N Indicates sample matrix spike analysis was outside control limits.
J Indicates an estimated value less than the sample quantitation limit.
X Indicates coeluting indistinguishable isomers.
** Indicates sample matrix was outside control limits.

ug/kg Micrograms per kilogram **(ppb).**
mg/kg Milligrams per kilogram **(ppm).**
ng/g Nanograms per gram **(ppb).**

Table O-3. Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil Samples. Oxbow Area F, GE Company, Pittsfield, Massachusetts.

bring Number	Sample Depth	Total PCBs
F-1	0-2	1.1
	2-4	2.2
	4-6	9.7
	6-8	3.5
	8-10	25
	10-12	-
	10-12 **	0.12
F-2	0-2	2.0
	2-4	1,800
	4-6	1,200
	6-8	1,600
	8-10	1,000
	10-12	240
	12-14	-
	14-16	
	16-18	

Concentrations [illegible] in milligrams per kilogram (ppm).
- [illegible] feet below [illegible] surface.
- ** [illegible]ield duplicate [illegible].
- Not detected.

Table 0-4. Summary of Detected **Analytes** in Ground-Water Samples, Oxbow Area F, GE Company, **Pittsfield,** Massachusetts.

Analyte	Well Designation: F-1 Sample Collection Date: 12/5/91	F-1• 12/5/91
Volatile Organic Compounds (ug/L)		
Methylene chloride	13 B	6 B
Semivolatile Organic Compounds (ug/L)		
Di-n-butylphthalate	1 J	-
bis(2-Ethylhexyl)phthalate	3 J	2 J
Butylbenzylphthalate	15	-
Metals (ug/L)		
Aluminum	95.6 B	183 B
Barium	147 B	143 B
Calcium	103,000	103,000
Iron	24.5 B	53.9 B
Magnesium	48,500	48,400
Manganese	337	327
Potassium	6,690	7,520
Sodium	23,100	22,200
Zinc	47.7	51.0
Sulfide (mg/L)	3.9	4.0
Phenols (total) (mg/L)	0.032	

B For **VOCs** - Indicates the compound was found in the associated blank as well as in the sample.
B For Metals - Indicates the reported value is less than the contract required detection limit **(CRDL),** but greater than the instrument detection limit **(IDL).**
J Indicates an estimated value less than the sample quantitation limit.
• Field duplicate sample.
ug/L Micrograms per liter **(ppb).**
mg/L Milligrams per liter **(ppm).**

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well F-1 Project/No. AY05002 Page 1 of 1

Site Location GE/Oxbow Ares F, W. of Newll St. P. Lot Drilling Started 11-14-91 Drilling Completed 11-14-91

Total Depth Drilled 18 feet Hole Diameter 10 1/4 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2"x2" Sampling Interval 2 feet

Land-Surface Elev. 983.54 feet ☒ Surveyed ☐ Estimated Datum USGS 1929 NGVD

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller E. Cotes Helper G. Rustemeyer

Prepared By A LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	1.3	2-4-6-6	ROF1B0002	SAND (90%) brown, medium to fine-grain top 7", change to gray-
					black, fine-grain, dry, loose, bottom 7", Gravel (10%) small,
					subangular to subrounded.
2	4	1.0	3-4-6-4	ROF1B0204	SAND (95%) brom to gray-black, loose, dry, fine-grain; Gravel
					(5%) smell, subrounded; trace coal cinders, red/black.
4	6	0.6	2-4-3-3	ROF1B0406	SAND (95%) gray-black to black, fine-grain, dry, loose; Gravel
					(5%) very small, subrounded.
6	8	0.4	11-11-5-11	ROF1B0608	SAND (POX) brom to gray-black, fine to medium-grain, moist to
					dry, tight to loose; Gravel (10%) smell, subrounded.
8	10	0.9	5-10-7-4	ROF1B0810	SAND (90%) brown to stained black, moist to wet, no odor; Gravel
					(10%) small, rounded, stained black.
10	12	2.0	1-1-2-4	ROF1B1012	SAND (90%) stained black, fine to medium-grain, tight, moist
					to wet; Organic roots and reeds (10%).
12	14	0.4	6-7-5-6	ROF1B1214	SAND (90%) black, fine to medium-grain, wet; Gravel (5%) small,
					rounded; Organic Material (5%) roots and reeds.
14	16	0.3	5-19-27-28	ROF1B1416	SAme as above, wet, no odor.
16	18	1.1	3-1-1-1	ROF1B1618	Black SAND as above to 16 ft (50%) grading into brown coarse
					Sand (30%) with medium rounded Gravel (20%).
					Depth to Uater = approximately 8 feet
					Bottom of Fill = approximately 10 feet

GERAGHTY & MILLER, INC.
Environmental Services

SAMPLE/CORE LOG

Boring/Well F-2 Project/No. AY05002 Page 1 of 1

Site Location GE/Oxbow Area F, W. of Newell St. P. Lot

Drilling Started 11-14-91 Drilling Completed 11-14-91

Total Depth Drilled 12 feet Hole Diameter 10 1/4 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller E. Cotes Helper G. Rustemeyer

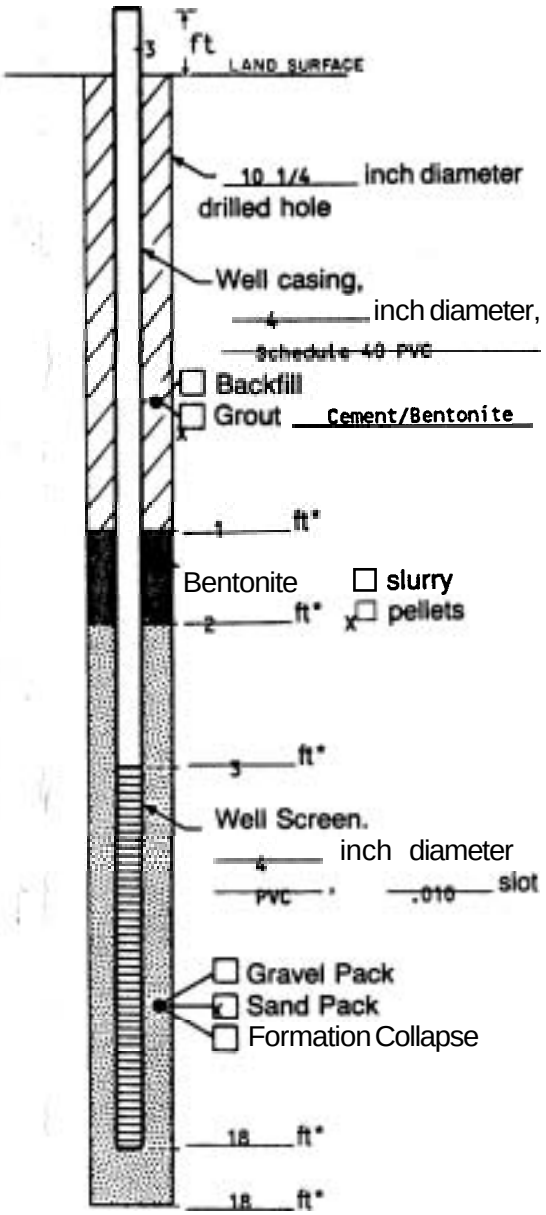
Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From	To	Con Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
0	2	1.0	3-8-10-12	ROF2B0002	SAND (60%) brom to yellow-brown, coarse-grain, dry, Loose; Gravel (40%) small to Large, angular to rounded.
2	4	0.5	10-22-12-17	ROF2B0204	SAND (70%) brown to black, medium to fine-grain, mist; Gravel (30%) small to Large, angular to rounded.
4	6	1.2	7-10-10-8	ROF2B0406	SAND (80%) red-brown to black, coarse-grain, mist; Gravel (15%) small to large, angular to rounded; other Fill material (5%) glass, wood.
6	8	1.	2-1-4-5	ROF2B0608	SAND (85%) olive-brown to stained black, medium to fine-grain wet; Gravel (10%) small to medium, subrounded; other Fill (5%) metal (nails) and wood.
8	10	1.1	1-2-6-10	ROF2B0810	8-9 ft, SAND as above (30%) with Mood-Fill (20%); 9-10 ft, change to olive-green, silty Sand (SOX) some black staining, trace small gravel, slight hydrocarbon odor.
10	12	1.0	4-14-22-14	ROF2B1012	SAND (90%) brown to stained black, medium to fine; Gravel (10%) small, rounded; trace organic material, roots and reeds.
					Depth to Water = approximately 8 feet
					Bottom of Fill = approximately 9 feet

GERAGHTY & MILLER, INC.
Environmental Services

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

'Depth Below Land Surface

Project AY05002 Well F-1

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation

and Datum 983.54 feet ☐ Surveyed

USGS 1929 NGVD ☐ Estimated

Installation Date(s) 11-14-91

Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Serkshires, Inc.

Drilling Fluid None

Development Technique(s) and Date(s)

11-26-91, Compressor with Wilton pump and tubing

Fluid Loss During Drilling None gallons

Water Removed During Development 110 gallons

Static Depth to Water 13.84 feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield 4 gpm Date 11-26-91

Specific Capacity _____ gpm/ft

Well purpose

Ground-Uater Monitoring Well

Remarks

Prepared by A. LaBarge