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REGION 3-NEW PALTZ

**REMEDIAL INVESTIGATION PLAN**

**APPENDIX C - LABORATORY DATA**  
**Volume II of II**

for the property known as

**B. MILLENS SONS, INC.**  
**230 EAST STRAND**  
**KINGSTON, NEW YORK**

Order on Consent Number W3-0817-98-08  
NYSDEC Spill Number 9604764

July 1, 1999

Revised October 26, 1999

**ECOSYSTEMS STRATEGIES, INC.**  
**60 WORRALL AVENUE**  
**POUGHKEEPSIE, NEW YORK 12603**  
**(914) 452-1658**

ESI File Number: MK9690.20

WORKPLAN  
"REMEDIAL  
INVESTIGATION  
WORKPLAN"  
"VOLUME 2 OF 2"  
MILLENS  
356030  
OCTOBER 26, 1999

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**C**     *Copies of Laboratory Reports (Volume II)***D**     *Copies of Soil Boring Logs and Monitoring Well Installation Log***E**     *Copies of Tables Included in the November 1998 Site Investigation Report*

**APPENDIX C**

**Laboratory Reports**

**APPENDIX C-1**



ANALYTICAL DATA

SUMMARY

Report Date: 04/21/99

Account: Ecosystems Strategies
Address: 60 Worrall Ave.
Poughkeepsie, NY 12603
914-452-1658

Project Manager: Zywia Wojnar
Project Name: MK9690 (04/12/99)
Project No.:

Sample Information:

Table with 4 columns: Laboratory ID, Client/Field ID, Laboratory ID, Client/Field ID. Lists 30 sample entries with their respective IDs and field locations.

Reviewed by

Signature of Glen Breland
Glen Breland
Laboratory Director

Lab Certifications

EPA ID: No. MA059
Massachusetts: No. M-MA059
Maine: Reciprocity
Rhode Island: No. 87
South Carolina: No. 88011

Florida(DEP): QA Plan No. 900437G
Florida(HRS): No. E87290
Connecticut: No. PH0515
New York: ELAP No. 11116
New Hampshire: No. 2041



Matrix Analytical, Inc.  
 106 South Street  
 Hopkinton, MA 01748-2295  
 1 (800) 362-8749

**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-001  
 Client ID: B101 0-1'  
 Matrix: Soil

Date Sampled: 04/07/99 09:25  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion	04/13/99			3051		
Mercury Digestion	04/14/99			7470/7471		

**TRACE METALS**

Arsenic	4.7	mg/kg	0.5	7060	jc	04/14/99
Cadmium	8	mg/kg	1	6010B	ja	04/14/99
Chromium	55	mg/kg	2	6010B	ja	04/14/99
Lead	800	mg/kg	10	6010B	ja	04/16/99
Mercury	ND	mg/kg	0.1	7471	ag	04/14/99

**PCBS**

Extraction Date:	04/13/99				os	
PCB-1016	See note:	ug/kg	1250	8082	mb	04/15/99
Due to the high concentration of PCB-1242 found in this sample we are unable to determine the presence of PCB-1016.						
PCB-1221	ND	ug/kg	1250	8082	mb	04/15/99
PCB-1232	ND	ug/kg	1250	8082	mb	04/15/99
PCB-1242	2,800	ug/kg	1250	8082	mb	04/15/99
PCB-1248	1,700	ug/kg	1250	8082	mb	04/15/99
PCB-1254	ND	ug/kg	1250	8082	mb	04/15/99
PCB-1260	ND	ug/kg	1250	8082	mb	04/15/99

The detection limit reported is based on a X5 dilution of the sample.

**SURROGATE STUDIES - PESTICIDES/PCBS**

2,4,5,6-Tetrachloro-meta-xylene	74	Percent			mb	04/15/99
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**MISCELLANEOUS TESTING**

Percent Moisture	9.60	Percent			os	04/15/99
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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-002  
 Client ID: B101 2-4'  
 Matrix: Soil

Date Sampled: 04/07/99 09:35  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**PCBS**

Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	25000	8082	mb	04/15/99
PCB-1221	ND	ug/kg	25000	8082	mb	04/15/99
PCB-1232	ND	ug/kg	25000	8082	mb	04/15/99
PCB-1242	ND	ug/kg	25000	8082	mb	04/15/99
PCB-1248	76,000	ug/kg	25000	8082	mb	04/15/99
PCB-1254	ND	ug/kg	25000	8082	mb	04/15/99
PCB-1260	ND	ug/kg	25000	8082	mb	04/15/99

The detection limit reported is based on a X100 dilution of the sample.  
 Unable to report surrogate recoveries due to the dilution necessary to quantitate this sample.

**MISCELLANEOUS TESTING**

Percent Moisture	15.0	Percent			os	04/15/99
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**Client Information**

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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-003  
 Client ID: B101 4-6'  
 Matrix: Soil

Date Sampled: 04/07/99 09:40  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>PCBS</b>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	250	8082	mb	04/15/99
PCB-1221	ND	ug/kg	250	8082	mb	04/15/99
PCB-1232	ND	ug/kg	250	8082	mb	04/15/99
PCB-1242	ND	ug/kg	250	8082	mb	04/15/99
PCB-1248	ND	ug/kg	250	8082	mb	04/15/99
PCB-1254	ND	ug/kg	250	8082	mb	04/15/99
PCB-1260	ND	ug/kg	250	8082	mb	04/15/99
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	84	Percent			mb	04/15/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	15.9	Percent			os	04/15/99



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Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-004  
 Client ID: B102 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 10:15  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
----------------------	--------	------	-----------------	------------	---------	---------------

**SAMPLE PREPARATION**

Metal Digestion	04/13/99			3051		
Mercury Digestion	04/14/99			7470/7471		

**TRACE METALS**

Arsenic	7.3	mg/kg	0.5	7060	jc	04/14/99
Cadmium	7	mg/kg	1	6010B	ja	04/14/99
Chromium	45	mg/kg	2	6010B	ja	04/14/99
Lead	650	mg/kg	10	6010B	ja	04/14/99
Mercury	2.0	mg/kg	0.1	7471	ag	04/14/99

**VOLATILE ORGANICS**

Acetone	ND	ug/kg	500000	8260B	ak	04/20/99
Acrolein	ND	ug/kg	500000	8260B	ak	04/20/99
Acrylonitrile	ND	ug/kg	500000	8260B	ak	04/20/99
Benzene	19,000	ug/kg	5000	8260B	ak	04/20/99
Bromobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
Bromochloromethane	ND	ug/kg	25000	8260B	ak	04/20/99
Bromodichloromethane	ND	ug/kg	25000	8260B	ak	04/20/99
Bromoform	ND	ug/kg	25000	8260B	ak	04/20/99
Bromomethane	ND	ug/kg	25000	8260B	ak	04/20/99
2-Butanone	ND	ug/kg	500000	8260B	ak	04/20/99
n-Butylbenzene	ND	ug/kg	25000	8260B	ak	04/20/99
sec-Butylbenzene	ND	ug/kg	25000	8260B	ak	04/20/99
tert-Butylbenzene	ND	ug/kg	25000	8260B	ak	04/20/99
Carbon Disulfide	ND	ug/kg	25000	8260B	ak	04/20/99
Carbon Tetrachloride	ND	ug/kg	25000	8260B	ak	04/20/99
Chlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
Chloroethane	ND	ug/kg	25000	8260B	ak	04/20/99



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Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-004  
 Client ID: B102 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 10:15  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
2-Chloroethylvinyl Ether	ND	ug/kg	25000	8260B	ak	04/20/99
Chloroform	ND	ug/kg	25000	8260B	ak	04/20/99
Chloromethane	ND	ug/kg	25000	8260B	ak	04/20/99
2-Chlorotoluene	ND	ug/kg	25000	8260B	ak	04/20/99
4-Chlorotoluene	ND	ug/kg	25000	8260B	ak	04/20/99
1,2-Dibromo-3-Chloropropane	ND	ug/kg	25000	8260B	ak	04/20/99
Dibromochloromethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,2-Dibromoethane (EDB)	ND	ug/kg	25000	8260B	ak	04/20/99
Dibromomethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,2-Dichlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
1,3-Dichlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
1,4-Dichlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
Dichlorodifluoromethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,1-Dichloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,2-Dichloroethane	ND	ug/kg	5000	8260B	ak	04/20/99
1,1-Dichloroethene	ND	ug/kg	25000	8260B	ak	04/20/99
cis-1,2-Dichloroethene	ND	ug/kg	25000	8260B	ak	04/20/99
trans-1,2-Dichloroethene	ND	ug/kg	25000	8260B	ak	04/20/99
1,2-Dichloropropane	ND	ug/kg	25000	8260B	ak	04/20/99
1,3-Dichloropropane	ND	ug/kg	25000	8260B	ak	04/20/99
2,2-Dichloropropane	ND	ug/kg	25000	8260B	ak	04/20/99
1,1-Dichloropropene	ND	ug/kg	25000	8260B	ak	04/20/99
cis-1,3-Dichloropropene	ND	ug/kg	25000	8260B	ak	04/20/99
trans-1,3-Dichloropropene	ND	ug/kg	25000	8260B	ak	04/20/99
Ethylbenzene	110,000	ug/kg	25000	8260B	ak	04/20/99
Hexachlorobutadiene	ND	ug/kg	25000	8260B	ak	04/20/99
2-Hexanone	ND	ug/kg	25000	8260B	ak	04/20/99
Iodomethane	ND	ug/kg	25000	8260B	ak	04/20/99



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FINAL REPORT

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-004  
 Client ID: B102 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 10:15  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
Isopropylbenzene	ND	ug/kg	25000	8260B	ak	04/20/99
p-Isopropyltoluene	ND	ug/kg	25000	8260B	ak	04/20/99
Methylene Chloride	ND	ug/kg	25000	8260B	ak	04/20/99
4-Methyl-2-Pentanone	ND	ug/kg	250000	8260B	ak	04/20/99
MTBE	ND	ug/kg	25000	8260B	ak	04/20/99
Naphthalene	43,000	ug/kg	25000	8260B	ak	04/20/99
n-Propylbenzene	39,000	ug/kg	25000	8260B	ak	04/20/99
Styrene	ND	ug/kg	25000	8260B	ak	04/20/99
1,1,1,2-Tetrachloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,1,2,2-Tetrachloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
Tetrachloroethene	ND	ug/kg	25000	8260B	ak	04/20/99
Toluene	250,000	ug/kg	25000	8260B	ak	04/20/99
1,2,3-Trichloropropane	ND	ug/kg	25000	8260B	ak	04/20/99
1,2,3-Trichlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
1,2,4-Trichlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
1,1,1-Trichloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,1,2-Trichloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
Trichloroethene	ND	ug/kg	25000	8260B	ak	04/20/99
Trichlorofluoromethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,2,4-Trimethylbenzene	270,000	ug/kg	25000	8260B	ak	04/20/99
1,3,5-Trimethylbenzene	81,000	ug/kg	25000	8260B	ak	04/20/99
Vinyl Acetate	ND	ug/kg	25000	8260B	ak	04/20/99
Vinyl Chloride	ND	ug/kg	10000	8260B	ak	04/20/99
o-Xylene	190,000	ug/kg	25000	8260B	ak	04/20/99
p-m-Xylene	470,000	ug/kg	25000	8260B	ak	04/20/99

The detection limit reported is based on a X5000 dilution of the sample.



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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-004  
 Client ID: B102 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 10:15  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SURROGATE STUDIES - VOLATILES**

Bromofluorobenzene	96	Percent			ak	04/20/99
Dibromofluoromethane	109	Percent			ak	04/20/99
Toluene-D8	94	Percent			ak	04/20/99

**PCBS**

Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1221	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1232	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1242	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1248	2,000	ug/kg	1250	8082	mb	04/16/99
PCB-1254	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1260	ND	ug/kg	1250	8082	mb	04/16/99

The detection limit reported is based on a X5 dilution of the sample.

**SURROGATE STUDIES - PESTICIDES/PCBS**

2,4,5,6-Tetrachloro-meta-xylene	78	Percent			mb	04/16/99
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**MISCELLANEOUS TESTING**

Percent Moisture	14.13	Percent			os	04/15/99
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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-005  
 Client ID: B102 4'  
 Matrix: Soil

Date Sampled: 04/07/99 10:40  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
Acetone	ND	ug/kg	10000	8260B	ak	04/20/99
Acrolein	ND	ug/kg	10000	8260B	ak	04/20/99
Acrylonitrile	ND	ug/kg	10000	8260B	ak	04/20/99
Benzene	280	ug/kg	100	8260B	ak	04/20/99
Bromobenzene	ND	ug/kg	500	8260B	ak	04/20/99
Bromochloromethane	ND	ug/kg	500	8260B	ak	04/20/99
Bromodichloromethane	ND	ug/kg	500	8260B	ak	04/20/99
Bromoform	ND	ug/kg	500	8260B	ak	04/20/99
Bromomethane	ND	ug/kg	500	8260B	ak	04/20/99
2-Butanone	ND	ug/kg	10000	8260B	ak	04/20/99
n-Butylbenzene	ND	ug/kg	500	8260B	ak	04/20/99
sec-Butylbenzene	ND	ug/kg	500	8260B	ak	04/20/99
tert-Butylbenzene	ND	ug/kg	500	8260B	ak	04/20/99
Carbon Disulfide	ND	ug/kg	500	8260B	ak	04/20/99
Carbon Tetrachloride	ND	ug/kg	500	8260B	ak	04/20/99
Chlorobenzene	ND	ug/kg	500	8260B	ak	04/20/99
Chloroethane	ND	ug/kg	500	8260B	ak	04/20/99
2-Chloroethylvinyl Ether	ND	ug/kg	500	8260B	ak	04/20/99
Chloroform	ND	ug/kg	500	8260B	ak	04/20/99
Chloromethane	ND	ug/kg	500	8260B	ak	04/20/99
2-Chlorotoluene	ND	ug/kg	500	8260B	ak	04/20/99
4-Chlorotoluene	ND	ug/kg	500	8260B	ak	04/20/99
1,2-Dibromo-3-Chloropropane	ND	ug/kg	500	8260B	ak	04/20/99
Dibromochloromethane	ND	ug/kg	500	8260B	ak	04/20/99
1,2-Dibromoethane (EDB)	ND	ug/kg	500	8260B	ak	04/20/99
Dibromomethane	ND	ug/kg	500	8260B	ak	04/20/99
1,2-Dichlorobenzene	ND	ug/kg	500	8260B	ak	04/20/99
1,3-Dichlorobenzene	ND	ug/kg	500	8260B	ak	04/20/99



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F I N A L R E P O R T

Client Information

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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-005  
 Client ID: B102 4'  
 Matrix: Soil

Date Sampled: 04/07/99 10:40  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
1,4-Dichlorobenzene	ND	ug/kg	500	8260B	ak	04/20/99
Dichlorodifluoromethane	ND	ug/kg	500	8260B	ak	04/20/99
1,1-Dichloroethane	ND	ug/kg	500	8260B	ak	04/20/99
1,2-Dichloroethane	ND	ug/kg	100	8260B	ak	04/20/99
1,1-Dichloroethene	ND	ug/kg	500	8260B	ak	04/20/99
cis-1,2-Dichloroethene	ND	ug/kg	500	8260B	ak	04/20/99
trans-1,2-Dichloroethene	ND	ug/kg	500	8260B	ak	04/20/99
1,2-Dichloropropane	ND	ug/kg	500	8260B	ak	04/20/99
1,3-Dichloropropane	ND	ug/kg	500	8260B	ak	04/20/99
2,2-Dichloropropane	ND	ug/kg	500	8260B	ak	04/20/99
1,1-Dichloropropene	ND	ug/kg	500	8260B	ak	04/20/99
cis-1,3-Dichloropropene	ND	ug/kg	500	8260B	ak	04/20/99
trans-1,3-Dichloropropene	ND	ug/kg	500	8260B	ak	04/20/99
Ethylbenzene	ND	ug/kg	500	8260B	ak	04/20/99
Hexachlorobutadiene	ND	ug/kg	500	8260B	ak	04/20/99
2-Hexanone	ND	ug/kg	500	8260B	ak	04/20/99
Iodomethane	ND	ug/kg	500	8260B	ak	04/20/99
Isopropylbenzene	ND	ug/kg	500	8260B	ak	04/20/99
p-Isopropyltoluene	600	ug/kg	500	8260B	ak	04/20/99
Methylene Chloride	ND	ug/kg	500	8260B	ak	04/20/99
4-Methyl-2-Pentanone	ND	ug/kg	5000	8260B	ak	04/20/99
MTBE	ND	ug/kg	500	8260B	ak	04/20/99
Naphthalene	1,600	ug/kg	500	8260B	ak	04/20/99
n-Propylbenzene	ND	ug/kg	500	8260B	ak	04/20/99
Styrene	ND	ug/kg	500	8260B	ak	04/20/99
1,1,1,2-Tetrachloroethane	ND	ug/kg	500	8260B	ak	04/20/99
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	500	8260B	ak	04/20/99
Tetrachloroethene	ND	ug/kg	500	8260B	ak	04/20/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-005  
 Client ID: B102 4'  
 Matrix: Soil

Date Sampled: 04/07/99 10:40  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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VOLATILE ORGANICS

Toluene	3,400	ug/kg	500	8260B	ak	04/20/99
1,2,3-Trichloropropane	ND	ug/kg	500	8260B	ak	04/20/99
1,2,3-Trichlorobenzene	ND	ug/kg	500	8260B	ak	04/20/99
1,2,4-Trichlorobenzene	ND	ug/kg	500	8260B	ak	04/20/99
1,1,1-Trichloroethane	ND	ug/kg	500	8260B	ak	04/20/99
1,1,2-Trichloroethane	ND	ug/kg	500	8260B	ak	04/20/99
Trichloroethene	ND	ug/kg	500	8260B	ak	04/20/99
Trichlorofluoromethane	ND	ug/kg	500	8260B	ak	04/20/99
1,2,4-Trimethylbenzene	47,000	ug/kg	500	8260B	ak	04/20/99
1,3,5-Trimethylbenzene	23,000	ug/kg	500	8260B	ak	04/20/99
Vinyl Acetate	ND	ug/kg	500	8260B	ak	04/20/99
Vinyl Chloride	ND	ug/kg	200	8260B	ak	04/20/99
o-Xylene	22,000	ug/kg	500	8260B	ak	04/20/99
p-m-Xylene	28,000	ug/kg	500	8260B	ak	04/20/99

The detection limit reported is based on a X100 dilution of the sample.

SURROGATE STUDIES - VOLATILES

Bromofluorobenzene	99	Percent			ak	04/20/99
Dibromofluoromethane	94	Percent			ak	04/20/99
Toluene-D8	96	Percent			ak	04/20/99

PCBS

Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	5000	8082	mb	04/15/99
PCB-1221	ND	ug/kg	5000	8082	mb	04/15/99
PCB-1232	ND	ug/kg	5000	8082	mb	04/15/99





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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-005  
 Client ID: B102 4'  
 Matrix: Soil

Date Sampled: 04/07/99 10:40  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>PCBS</b>						
PCB-1242	ND	ug/kg	5000	8082	mb	04/15/99
PCB-1248	6,900	ug/kg	5000	8082	mb	04/15/99
PCB-1254	ND	ug/kg	5000	8082	mb	04/15/99
PCB-1260	ND	ug/kg	5000	8082	mb	04/15/99
The detection limit reported is based on a X20 dilution of the sample.						
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	116	Percent			mb	04/15/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	12.2	Percent			os	04/15/99



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FINAL REPORT

Client Information

Account: Ecosystems Strategies  
Address: 60 Worrall Ave.  
Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
Project Number:  
Project Manager: Zywia Wojnar  
Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-006  
Client ID: B102 2-3'  
Matrix: Soil

Date Sampled: 04/07/99 10:25  
Date Received: 04/12/99 : 0  
Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
Acetone	ND	ug/kg	20000	8260B	ak	04/20/99
Acrolein	ND	ug/kg	20000	8260B	ak	04/20/99
Acrylonitrile	ND	ug/kg	20000	8260B	ak	04/20/99
Benzene	1,300	ug/kg	200	8260B	ak	04/20/99
Bromobenzene	ND	ug/kg	1000	8260B	ak	04/20/99
Bromochloromethane	ND	ug/kg	1000	8260B	ak	04/20/99
Bromodichloromethane	ND	ug/kg	1000	8260B	ak	04/20/99
Bromoform	ND	ug/kg	1000	8260B	ak	04/20/99
Bromomethane	ND	ug/kg	1000	8260B	ak	04/20/99
2-Butanone	ND	ug/kg	20000	8260B	ak	04/20/99
n-Butylbenzene	ND	ug/kg	1000	8260B	ak	04/20/99
sec-Butylbenzene	ND	ug/kg	1000	8260B	ak	04/20/99
tert-Butylbenzene	ND	ug/kg	1000	8260B	ak	04/20/99
Carbon Disulfide	ND	ug/kg	1000	8260B	ak	04/20/99
Carbon Tetrachloride	ND	ug/kg	1000	8260B	ak	04/20/99
Chlorobenzene	ND	ug/kg	1000	8260B	ak	04/20/99
Chloroethane	ND	ug/kg	1000	8260B	ak	04/20/99
2-Chloroethylvinyl Ether	ND	ug/kg	1000	8260B	ak	04/20/99
Chloroform	ND	ug/kg	1000	8260B	ak	04/20/99
Chloromethane	ND	ug/kg	1000	8260B	ak	04/20/99
2-Chlorotoluene	ND	ug/kg	1000	8260B	ak	04/20/99
4-Chlorotoluene	ND	ug/kg	1000	8260B	ak	04/20/99
1,2-Dibromo-3-Chloropropane	ND	ug/kg	1000	8260B	ak	04/20/99
Dibromochloromethane	ND	ug/kg	1000	8260B	ak	04/20/99
1,2-Dibromoethane (EDB)	ND	ug/kg	1000	8260B	ak	04/20/99
Dibromomethane	ND	ug/kg	1000	8260B	ak	04/20/99
1,2-Dichlorobenzene	ND	ug/kg	1000	8260B	ak	04/20/99
1,3-Dichlorobenzene	ND	ug/kg	1000	8260B	ak	04/20/99



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**FINAL REPORT**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-006  
 Client ID: B102 2-3'  
 Matrix: Soil

Date Sampled: 04/07/99 10:25  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
1,4-Dichlorobenzene	ND	ug/kg	1000	8260B	ak	04/20/99
Dichlorodifluoromethane	ND	ug/kg	1000	8260B	ak	04/20/99
1,1-Dichloroethane	ND	ug/kg	1000	8260B	ak	04/20/99
1,2-Dichloroethane	ND	ug/kg	200	8260B	ak	04/20/99
1,1-Dichloroethene	ND	ug/kg	1000	8260B	ak	04/20/99
cis-1,2-Dichloroethene	ND	ug/kg	1000	8260B	ak	04/20/99
trans-1,2-Dichloroethene	ND	ug/kg	1000	8260B	ak	04/20/99
1,2-Dichloropropane	ND	ug/kg	1000	8260B	ak	04/20/99
1,3-Dichloropropane	ND	ug/kg	1000	8260B	ak	04/20/99
2,2-Dichloropropane	ND	ug/kg	1000	8260B	ak	04/20/99
1,1-Dichloropropene	ND	ug/kg	1000	8260B	ak	04/20/99
cis-1,3-Dichloropropene	ND	ug/kg	1000	8260B	ak	04/20/99
trans-1,3-Dichloropropene	ND	ug/kg	1000	8260B	ak	04/20/99
Ethylbenzene	5,400	ug/kg	1000	8260B	ak	04/20/99
Hexachlorobutadiene	ND	ug/kg	1000	8260B	ak	04/20/99
2-Hexanone	ND	ug/kg	1000	8260B	ak	04/20/99
Iodomethane	ND	ug/kg	1000	8260B	ak	04/20/99
Isopropylbenzene	ND	ug/kg	1000	8260B	ak	04/20/99
p-Isopropyltoluene	ND	ug/kg	1000	8260B	ak	04/20/99
Methylene Chloride	ND	ug/kg	1000	8260B	ak	04/20/99
4-Methyl-2-Pentanone	ND	ug/kg	10000	8260B	ak	04/20/99
MTBE	ND	ug/kg	1000	8260B	ak	04/20/99
Naphthalene	2,100	ug/kg	1000	8260B	ak	04/20/99
n-Propylbenzene	2,000	ug/kg	1000	8260B	ak	04/20/99
Styrene	ND	ug/kg	1000	8260B	ak	04/20/99
1,1,1,2-Tetrachloroethane	ND	ug/kg	1000	8260B	ak	04/20/99
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	1000	8260B	ak	04/20/99
Tetrachloroethene	ND	ug/kg	1000	8260B	ak	04/20/99



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F I N A L R E P O R T

**Client Information**

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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-006  
 Client ID: B102 2-3'  
 Matrix: Soil

Date Sampled: 04/07/99 10:25  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**VOLATILE ORGANICS**

Toluene	20,000	ug/kg	1000	8260B	ak	04/20/99
1,2,3-Trichloropropane	ND	ug/kg	1000	8260B	ak	04/20/99
1,2,3-Trichlorobenzene	ND	ug/kg	1000	8260B	ak	04/20/99
1,2,4-Trichlorobenzene	ND	ug/kg	1000	8260B	ak	04/20/99
1,1,1-Trichloroethane	ND	ug/kg	1000	8260B	ak	04/20/99
1,1,2-Trichloroethane	ND	ug/kg	1000	8260B	ak	04/20/99
Trichloroethene	ND	ug/kg	1000	8260B	ak	04/20/99
Trichlorofluoromethane	ND	ug/kg	1000	8260B	ak	04/20/99
1,2,4-Trimethylbenzene	14,000	ug/kg	1000	8260B	ak	04/20/99
1,3,5-Trimethylbenzene	4,600	ug/kg	1000	8260B	ak	04/20/99
Vinyl Acetate	ND	ug/kg	1000	8260B	ak	04/20/99
Vinyl Chloride	ND	ug/kg	400	8260B	ak	04/20/99
o-Xylene	7,840	ug/kg	1000	8260B	ak	04/20/99
p-m-Xylene	23,446	ug/kg	1000	8260B	ak	04/20/99

The detection limit reported is based on a X200 dilution of the sample.

**SURROGATE STUDIES - VOLATILES**

Bromofluorobenzene	112	Percent			ak	04/20/99
Dibromofluoromethane	97	Percent			ak	04/20/99
Toluene-D8	98	Percent			ak	04/20/99

**PCBS**

Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	12500	8082	mb	04/15/99
PCB-1221	ND	ug/kg	12500	8082	mb	04/15/99
PCB-1232	ND	ug/kg	12500	8082	mb	04/15/99



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F I N A L R E P O R T

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-006  
 Client ID: B102 2-3'  
 Matrix: Soil

Date Sampled: 04/07/99 10:25  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>PCBS</b>						
PCB-1242	ND	ug/kg	12500	8082	mb	04/15/99
PCB-1248	30,000	ug/kg	12500	8082	mb	04/15/99
PCB-1254	ND	ug/kg	12500	8082	mb	04/15/99
PCB-1260	ND	ug/kg	12500	8082	mb	04/15/99
<p>The detection limit reported is based on a X50 dilution of the sample.            Unable to report surrogate recoveries due to the dilution necessary to quantitate this sample.</p>						
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	11.4	Percent			os	04/15/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-007  
 Client ID: B103 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 11:00  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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SAMPLE PREPARATION

Metal Digestion	04/13/99			3051		
Mercury Digestion	04/14/99			7470/7471		

TRACE METALS

Arsenic	19	mg/kg	0.5	7060	jc	04/14/99
Cadmium	24	mg/kg	1	6010B	ja	04/14/99
Chromium	130	mg/kg	2	6010B	ja	04/14/99
Lead	2,500	mg/kg	10	6010B	ja	04/16/99
Mercury	2.5	mg/kg	0.1	7471	ag	04/14/99

PCBS

Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	12500	8082	mb	04/15/99
PCB-1221	ND	ug/kg	12500	8082	mb	04/15/99
PCB-1232	ND	ug/kg	12500	8082	mb	04/15/99
PCB-1242	ND	ug/kg	12500	8082	mb	04/15/99
PCB-1248	22,000	ug/kg	12500	8082	mb	04/15/99
PCB-1254	43,000	ug/kg	12500	8082	mb	04/15/99
PCB-1260	ND	ug/kg	12500	8082	mb	04/15/99

The detection limit reported is based on a X50 dilution of the sample.

Unable to report surrogate recoveries due to the dilution necessary to quantitate this sample.

MISCELLANEOUS TESTING

Percent Moisture	9.67	Percent			os	04/15/99
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F I N A L R E P O R T

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-008  
 Client ID: B103 2-4'  
 Matrix: Soil

Date Sampled: 04/07/99 11:05  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>PCBS</b>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	2500	8082	mb	04/15/99
PCB-1221	ND	ug/kg	2500	8082	mb	04/15/99
PCB-1232	ND	ug/kg	2500	8082	mb	04/15/99
PCB-1242	ND	ug/kg	2500	8082	mb	04/15/99
PCB-1248	4,400	ug/kg	2500	8082	mb	04/15/99
PCB-1254	3,300	ug/kg	2500	8082	mb	04/15/99
PCB-1260	ND	ug/kg	2500	8082	mb	04/15/99
The detection limit reported is based on a X10 dilution of the sample.						
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	84	Percent			mb	04/15/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	12.9	Percent			os	04/15/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-009  
 Client ID: B103 4-6'  
 Matrix: Soil

Date Sampled: 04/07/99 11:10  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>PCBS</u>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	250	8082	mb	04/15/99
PCB-1221	ND	ug/kg	250	8082	mb	04/15/99
PCB-1232	ND	ug/kg	250	8082	mb	04/15/99
PCB-1242	ND	ug/kg	250	8082	mb	04/15/99
PCB-1248	ND	ug/kg	250	8082	mb	04/15/99
PCB-1254	ND	ug/kg	250	8082	mb	04/15/99
PCB-1260	ND	ug/kg	250	8082	mb	04/15/99
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	92	Percent			mb	04/15/99
<u>MISCELLANEOUS TESTING</u>						
Percent Moisture	13.2	Percent			os	04/15/99





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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-010  
 Client ID: B104 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 11:30  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>SAMPLE PREPARATION</u>						
Metal Digestion	04/13/99			3051		
Mercury Digestion	04/14/99			7470/7471		
<u>TRACE METALS</u>						
Arsenic	22	mg/kg	0.5	7060	jc	04/14/99
Cadmium	23	mg/kg	1	6010B	ja	04/14/99
Chromium	51	mg/kg	2	6010B	ja	04/14/99
Lead	6,100	mg/kg	10	6010B	ja	04/16/99
Mercury	4.3	mg/kg	0.1	7471	ag	04/14/99
<u>PCBS</u>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	25000	8082	mb	04/15/99
PCB-1221	ND	ug/kg	25000	8082	mb	04/15/99
PCB-1232	ND	ug/kg	25000	8082	mb	04/15/99
PCB-1242	ND	ug/kg	25000	8082	mb	04/15/99
PCB-1248	65,000	ug/kg	25000	8082	mb	04/15/99
PCB-1254	ND	ug/kg	25000	8082	mb	04/15/99
PCB-1260	ND	ug/kg	25000	8082	mb	04/15/99

The detection limit reported is based on a X100 dilution of the sample.  
 Unable to report surrogate recoveries due to the dilution necessary to quantitate this sample.

MISCELLANEOUS TESTING

Percent Moisture 14.88 Percent os 04/15/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-01I  
 Client ID: B104 3-5'  
 Matrix: Soil

Date Sampled: 04/07/99 11:35  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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PCBS

Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	250	8082	mb	04/18/99
PCB-1221	ND	ug/kg	250	8082	mb	04/18/99
PCB-1232	ND	ug/kg	250	8082	mb	04/18/99
PCB-1242	ND	ug/kg	250	8082	mb	04/18/99
PCB-1248	ND	ug/kg	250	8082	mb	04/18/99
PCB-1254	ND	ug/kg	250	8082	mb	04/18/99
PCB-1260	ND	ug/kg	250	8082	mb	04/18/99

SURROGATE STUDIES - PESTICIDES/PCBS

2,4,5,6-Tetrachloro-meta-xylene	88	Percent			mb	04/18/99
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MISCELLANEOUS TESTING

Percent Moisture	18.0	Percent			os	04/15/99
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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-012  
 Client ID: B105 1-2.5  
 Matrix: Soil

Date Sampled: 04/07/99 14:50  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>SAMPLE PREPARATION</u></b>						
Metal Digestion	04/13/99			3051		
Mercury Digestion	04/14/99			7470/7471		
<b><u>TRACE METALS</u></b>						
Arsenic	33	mg/kg	0.5	7060	jc	04/14/99
Cadmium	15	mg/kg	1	6010B	ja	04/14/99
Chromium	210	mg/kg	2	6010B	ja	04/14/99
Lead	5,400	mg/kg	10	6010B	ja	04/16/99
Mercury	3.6	mg/kg	0.1	7471	ag	04/14/99
<b><u>PCBS</u></b>						
Extraction Date:	04/13/99					
PCB-1016	ND	ug/kg	2500	8082	os	
PCB-1221	ND	ug/kg	2500	8082	mb	04/16/99
PCB-1232	ND	ug/kg	2500	8082	mb	04/16/99
PCB-1242	ND	ug/kg	2500	8082	mb	04/16/99
PCB-1248	4,600	ug/kg	2500	8082	mb	04/16/99
PCB-1254	2,900	ug/kg	2500	8082	mb	04/16/99
PCB-1260	ND	ug/kg	2500	8082	mb	04/16/99
The detection limit reported is based on a X10 dilution of the sample.						
<b><u>SURROGATE STUDIES - PESTICIDES/PCBS</u></b>						
2,4,5,6-Tetrachloro-meta-xylene	93	Percent			mb	04/16/99
<b><u>MISCELLANEOUS TESTING</u></b>						
Percent Moisture	11.40	Percent			os	04/15/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-013  
 Client ID: B105 5-7  
 Matrix: Soil

Date Sampled: 04/07/99 15:00  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>PCBS</u>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	250	8082	mb	04/15/99
PCB-1221	ND	ug/kg	250	8082	mb	04/15/99
PCB-1232	ND	ug/kg	250	8082	mb	04/15/99
PCB-1242	ND	ug/kg	250	8082	mb	04/15/99
PCB-1248	ND	ug/kg	250	8082	mb	04/15/99
PCB-1254	ND	ug/kg	250	8082	mb	04/15/99
PCB-1260	ND	ug/kg	250	8082	mb	04/15/99
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	90	Percent			mb	04/15/99
<u>MISCELLANEOUS TESTING</u>						
Percent Moisture	13.4	Percent			os	04/15/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-014  
 Client ID: B106 0-2  
 Matrix: Soil

Date Sampled: 04/07/99 15:15  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>SAMPLE PREPARATION</u>						
Metal Digestion	04/13/99			3051		
Mercury Digestion	04/14/99			7470/7471		
<u>TRACE METALS</u>						
Arsenic	9.2	mg/kg	0.5	7060	jc	04/14/99
Cadmium	ND	mg/kg	10	6010B	ja	04/14/99
Chromium	27	mg/kg	2	6010B	ja	04/14/99
Lead	1,800	mg/kg	10	6010B	ja	04/16/99
Mercury	2.3	mg/kg	0.1	7471	ag	04/14/99
<u>PCBS</u>						
Extraction Date:	04/13/99					
PCB-1016	ND	ug/kg	1250	8082	os	
PCB-1221	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1232	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1242	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1248	2,100	ug/kg	1250	8082	mb	04/16/99
PCB-1254	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1260	ND	ug/kg	1250	8082	mb	04/16/99
The detection limit reported is based on a X5 dilution of the sample.						
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	67	Percent			mb	04/16/99
<u>MISCELLANEOUS TESTING</u>						
Percent Moisture	9.57	Percent			os	04/15/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-015  
 Client ID: B106 3-5  
 Matrix: Soil

Date Sampled: 04/07/99 15:25  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>PCBS</u>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	250	8082	mb	04/14/99
PCB-1221	ND	ug/kg	250	8082	mb	04/14/99
PCB-1232	ND	ug/kg	250	8082	mb	04/14/99
PCB-1242	ND	ug/kg	250	8082	mb	04/14/99
PCB-1248	ND	ug/kg	250	8082	mb	04/14/99
PCB-1254	ND	ug/kg	250	8082	mb	04/14/99
PCB-1260	ND	ug/kg	250	8082	mb	04/14/99
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	94	Percent			mb	04/14/99
<u>MISCELLANEOUS TESTING</u>						
Percent Moisture	11.2	Percent			os	04/15/99



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**F I N A L R E P O R T**

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-016  
 Client ID: B107 0-2  
 Matrix: Soil

Date Sampled: 04/07/99 15:40  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>SAMPLE PREPARATION</u></b>						
Metal Digestion	04/13/99					
Mercury Digestion	04/14/99			3051 7470/7471		
<b><u>TRACE METALS</u></b>						
Arsenic	30	mg/kg	0.5	7060	jc	04/14/99
Cadmium	19	mg/kg	1	6010B	ja	04/14/99
Chromium	180	mg/kg	2	6010B	ja	04/14/99
Lead	7,000	mg/kg	10	6010B	ja	04/16/99
Mercury	4.6	mg/kg	0.1	7471	ag	04/14/99
<b><u>PCBS</u></b>						
Extraction Date:	04/13/99					
PCB-1016	ND	ug/kg	1250	8082	os mb	
PCB-1221	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1232	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1242	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1248	2,900	ug/kg	1250	8082	mb	04/16/99
PCB-1254	2,900	ug/kg	1250	8082	mb	04/16/99
PCB-1260	ND	ug/kg	1250	8082	mb	04/16/99
The detection limit reported is based on a X5 dilution of the sample.						
<b><u>SURROGATE STUDIES - PESTICIDES/PCBS</u></b>						
2,4,5,6-Tetrachloro-meta-xylene	73	Percent			mb	04/16/99
<b><u>MISCELLANEOUS TESTING</u></b>						
Percent Moisture	18.93	Percent			os	04/15/99



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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-017  
 Client ID: B107 4-6  
 Matrix: Soil

Date Sampled: 04/07/99 15:50  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>PCBS</b>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	250	8082	mb	04/15/99
PCB-1221	ND	ug/kg	250	8082	mb	04/15/99
PCB-1232	ND	ug/kg	250	8082	mb	04/15/99
PCB-1242	ND	ug/kg	250	8082	mb	04/15/99
PCB-1248	ND	ug/kg	250	8082	mb	04/15/99
PCB-1254	ND	ug/kg	250	8082	mb	04/15/99
PCB-1260	ND	ug/kg	250	8082	mb	04/15/99
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	94	Percent			mb	04/15/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	18.8	Percent			os	04/15/99





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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-018  
 Client ID: B108 3-5  
 Matrix: Soil

Date Sampled: 04/07/99 16:10  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>PCBS</u>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	250	8082	mb	04/18/99
PCB-1221	ND	ug/kg	250	8082	mb	04/18/99
PCB-1232	ND	ug/kg	250	8082	mb	04/18/99
PCB-1242	ND	ug/kg	250	8082	mb	04/18/99
PCB-1248	390	ug/kg	250	8082	mb	04/18/99
PCB-1254	410	ug/kg	250	8082	mb	04/18/99
PCB-1260	ND	ug/kg	250	8082	mb	04/18/99
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	80	Percent			mb	04/18/99
<u>MISCELLANEOUS TESTING</u>						
Percent Moisture	11.7	Percent			os	04/15/99



Matrix Analytical, Inc.  
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FINAL REPORT

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-019  
 Client ID: B108 0-2  
 Matrix: Soil

Date Sampled: 04/07/99 16:00  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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SAMPLE PREPARATION

Metal Digestion  
 Mercury Digestion

04/13/99  
 04/14/99

3051  
 7470/7471

TRACE METALS

Arsenic  
 Cadmium  
 Chromium  
 Lead  
 Mercury

15  
 18  
 37  
 2,600  
 1.0

mg/kg  
 mg/kg  
 mg/kg  
 mg/kg  
 mg/kg

0.5  
 1  
 2  
 10  
 0.1

7060  
 6010B  
 6010B  
 6010B  
 7471

jc  
 ja  
 ja  
 ja  
 ag

04/14/99  
 04/14/99  
 04/14/99  
 04/16/99  
 04/14/99

PCBS

Extraction Date:  
 PCB-1016  
 PCB-1221  
 PCB-1232  
 PCB-1242  
 PCB-1248  
 PCB-1254  
 PCB-1260

04/13/99  
 ND  
 ND  
 ND  
 ND  
 6,900  
 ND  
 ND

ug/kg  
 ug/kg  
 ug/kg  
 ug/kg  
 ug/kg  
 ug/kg  
 ug/kg  
 ug/kg

5000  
 5000  
 5000  
 5000  
 5000  
 5000  
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8082  
 8082  
 8082  
 8082  
 8082  
 8082  
 8082  
 8082

os  
 mb  
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 mb  
 mb  
 mb  
 mb  
 mb

04/14/99  
 04/14/99  
 04/14/99  
 04/14/99  
 04/14/99  
 04/14/99  
 04/14/99  
 04/14/99

The detection limit reported is based on a X20 dilution of the sample.

SURROGATE STUDIES - PESTICIDES/PCBS

2,4,5,6-Tetrachloro-meta-xylene

96 Percent

mb 04/14/99

MISCELLANEOUS TESTING

Percent Moisture

12.52 Percent

os 04/15/99



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FINAL REPORT

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-020  
 Client ID: HB-1 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 13:30  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>SAMPLE PREPARATION</b>						
Metal Digestion	04/14/99					
Mercury Digestion	04/14/99			3051 7470/7471		
<b>TRACE METALS</b>						
Arsenic	12	mg/kg	0.5	7060	jc	04/14/99
Cadmium	15	mg/kg	1	6010B	ja	04/14/99
Chromium	60	mg/kg	2	6010B	ja	04/14/99
Lead	1,500	mg/kg	10	6010B	ja	04/14/99
Mercury	1.3	mg/kg	0.1	7471	ag	04/14/99
<b>PCBS</b>						
Extraction Date:	04/13/99					
PCB-1016	ND	ug/kg	1250	8082	os	
PCB-1221	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1232	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1242	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1248	1,600	ug/kg	1250	8082	mb	04/16/99
PCB-1254	2,100	ug/kg	1250	8082	mb	04/16/99
PCB-1260	1,800	ug/kg	1250	8082	mb	04/16/99
The detection limit reported is based on a X5 dilution of the sample.						
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	61	Percent			mb	04/16/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	18.20	Percent			os	04/15/99



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F I N A L R E P O R T

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-021  
 Client ID: HB-2 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 13:45  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>SAMPLE PREPARATION</b>						
Metal Digestion	04/14/99			3051		
Mercury Digestion	04/14/99			7470/7471		
<b>TRACE METALS</b>						
Arsenic	69	mg/kg	0.5	7060	jc	04/14/99
Cadmium	40	mg/kg	1	6010B	ja	04/14/99
Chromium	13	mg/kg	2	6010B	ja	04/14/99
Lead	8,200	mg/kg	10	6010B	ja	04/14/99
Mercury	20.8	mg/kg	0.1	7471	ag	04/14/99
<b>PCBS</b>						
Extraction Date:	04/13/99					
PCB-1016	ND	ug/kg	250	8082	os	
PCB-1221	ND	ug/kg	250	8082	mb	04/18/99
PCB-1232	ND	ug/kg	250	8082	mb	04/18/99
PCB-1242	ND	ug/kg	250	8082	mb	04/18/99
PCB-1248	ND	ug/kg	250	8082	mb	04/18/99
PCB-1254	640	ug/kg	250	8082	mb	04/18/99
PCB-1260	420	ug/kg	250	8082	mb	04/18/99
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	141	Percent			mb	04/18/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	15.90	Percent			os	04/15/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-022  
 Client ID: HB-2 2-3'  
 Matrix: Soil

Date Sampled: 04/07/99 14:00  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>PCBS</u>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	250	8082	mb	04/15/99
PCB-1221	ND	ug/kg	250	8082	mb	04/15/99
PCB-1232	ND	ug/kg	250	8082	mb	04/15/99
PCB-1242	ND	ug/kg	250	8082	mb	04/15/99
PCB-1248	ND	ug/kg	250	8082	mb	04/15/99
PCB-1254	ND	ug/kg	250	8082	mb	04/15/99
PCB-1260	ND	ug/kg	250	8082	mb	04/15/99
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	65	Percent			mb	04/15/99
<u>MISCELLANEOUS TESTING</u>						
Percent Moisture	16.9	Percent			os	04/15/99



Matrix Analytical, Inc.  
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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-023  
 Client ID: HB-3 0-2  
 Matrix: Soil

Date Sampled: 04/07/99 14:15  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>SAMPLE PREPARATION</u>						
Metal Digestion	04/14/99			3051		
Mercury Digestion	04/14/99			7470/7471		
<u>TRACE METALS</u>						
Arsenic	14	mg/kg	0.5	7060	jc	04/14/99
Cadmium	3	mg/kg	1	6010B	ja	04/14/99
Chromium	11	mg/kg	2	6010B	ja	04/14/99
Lead	680	mg/kg	10	6010B	ja	04/14/99
Mercury	3.0	mg/kg	0.1	7471	ag	04/14/99
<u>PCBS</u>						
Extraction Date:	04/13/99					
PCB-1016	ND	ug/kg	1250	8082	os	
PCB-1221	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1232	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1242	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1248	ND	ug/kg	1250	8082	mb	04/16/99
PCB-1254	1,800	ug/kg	1250	8082	mb	04/16/99
PCB-1260	ND	ug/kg	1250	8082	mb	04/16/99
The detection limit reported is based on a X5 dilution of the sample.						
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	62	Percent			mb	04/16/99
<u>MISCELLANEOUS TESTING</u>						
Percent Moisture	12.45	Percent			os	04/15/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-024  
 Client ID: HB-3 2-4'  
 Matrix: Soil

Date Sampled: 04/07/99 14:30  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>PCBS</u>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	250	8082	mb	04/15/99
PCB-1221	ND	ug/kg	250	8082	mb	04/15/99
PCB-1232	ND	ug/kg	250	8082	mb	04/15/99
PCB-1242	ND	ug/kg	250	8082	mb	04/15/99
PCB-1248	ND	ug/kg	250	8082	mb	04/15/99
PCB-1254	ND	ug/kg	250	8082	mb	04/15/99
PCB-1260	ND	ug/kg	250	8082	mb	04/15/99
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	71	Percent			mb	04/15/99
<u>MISCELLANEOUS TESTING</u>						
Percent Moisture	13.7	Percent			os	04/15/99



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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-025  
 Client ID: HB-4 0-6"  
 Matrix: Soil

Date Sampled: 04/07/99 14:40  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>SAMPLE PREPARATION</b>						
Metal Digestion	04/14/99					
Mercury Digestion	04/14/99			3051 7470/7471		
<b>TRACE METALS</b>						
Arsenic	40	mg/kg	0.5	7060	jc	04/14/99
Cadmium	64	mg/kg	1	6010B	ja	04/14/99
Chromium	96	mg/kg	2	6010B	ja	04/14/99
Lead	6,460	mg/kg	10	6010B	ja	04/14/99
Mercury	17.7	mg/kg	0.1	7471	ag	04/14/99
<b>PCBS</b>						
Extraction Date:	04/13/99				os	
PCB-1016	ND	ug/kg	500	8082	mb	04/16/99
PCB-1221	ND	ug/kg	500	8082	mb	04/16/99
PCB-1232	ND	ug/kg	500	8082	mb	04/16/99
PCB-1242	ND	ug/kg	500	8082	mb	04/16/99
PCB-1248	710	ug/kg	500	8082	mb	04/16/99
PCB-1254	880	ug/kg	500	8082	mb	04/16/99
PCB-1260	ND	ug/kg	500	8082	mb	04/16/99
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	64	Percent			mb	04/16/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	16.41	Percent			os	04/15/99





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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-026  
 Client ID: MW-7 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 12:55  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>SAMPLE PREPARATION</u>						
Metal Digestion	04/14/99			3051		
Mercury Digestion	04/14/99			7470/7471		
<u>TRACE METALS</u>						
Arsenic	8.7	mg/kg	0.5	7060	jc	04/14/99
Cadmium	12	mg/kg	1	6010B	ja	04/14/99
Chromium	48	mg/kg	2	6010B	ja	04/14/99
Lead	800	mg/kg	10	6010B	ja	04/14/99
Mercury	0.6	mg/kg	0.1	7471	ag	04/14/99
<u>VOLATILE ORGANICS</u>						
Acetone	ND	ug/kg	500	8260B	ak	04/20/99
Acrolein	ND	ug/kg	500	8260B	ak	04/20/99
Acrylonitrile	ND	ug/kg	500	8260B	ak	04/20/99
Benzene	250	ug/kg	5	8260B	ak	04/20/99
Bromobenzene	ND	ug/kg	25	8260B	ak	04/20/99
Bromochloromethane	ND	ug/kg	25	8260B	ak	04/20/99
Bromodichloromethane	ND	ug/kg	25	8260B	ak	04/20/99
Bromoform	ND	ug/kg	25	8260B	ak	04/20/99
Bromomethane	ND	ug/kg	25	8260B	ak	04/20/99
2-Butanone	ND	ug/kg	25	8260B	ak	04/20/99
n-Butylbenzene	ND	ug/kg	500	8260B	ak	04/20/99
sec-Butylbenzene	38	ug/kg	25	8260B	ak	04/20/99
tert-Butylbenzene	ND	ug/kg	25	8260B	ak	04/20/99
Carbon Disulfide	ND	ug/kg	25	8260B	ak	04/20/99
Carbon Tetrachloride	ND	ug/kg	25	8260B	ak	04/20/99
Chlorobenzene	ND	ug/kg	25	8260B	ak	04/20/99
Chloroethane	ND	ug/kg	25	8260B	ak	04/20/99



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Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-026  
 Client ID: MW-7 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 12:55  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
2-Chloroethylvinyl Ether	ND	ug/kg	25	8260B	ak	04/20/99
Chloroform	ND	ug/kg	25	8260B	ak	04/20/99
Chloromethane	ND	ug/kg	25	8260B	ak	04/20/99
2-Chlorotoluene	ND	ug/kg	25	8260B	ak	04/20/99
4-Chlorotoluene	ND	ug/kg	25	8260B	ak	04/20/99
1,2-Dibromo-3-Chloropropane	ND	ug/kg	25	8260B	ak	04/20/99
Dibromochloromethane	ND	ug/kg	25	8260B	ak	04/20/99
1,2-Dibromoethane (EDB)	ND	ug/kg	25	8260B	ak	04/20/99
Dibromomethane	ND	ug/kg	25	8260B	ak	04/20/99
1,2-Dichlorobenzene	ND	ug/kg	25	8260B	ak	04/20/99
1,3-Dichlorobenzene	ND	ug/kg	25	8260B	ak	04/20/99
1,4-Dichlorobenzene	ND	ug/kg	25	8260B	ak	04/20/99
Dichlorodifluoromethane	ND	ug/kg	25	8260B	ak	04/20/99
1,1-Dichloroethane	ND	ug/kg	25	8260B	ak	04/20/99
1,2-Dichloroethane	ND	ug/kg	25	8260B	ak	04/20/99
1,1-Dichloroethene	ND	ug/kg	5	8260B	ak	04/20/99
cis-1,2-Dichloroethene	ND	ug/kg	25	8260B	ak	04/20/99
trans-1,2-Dichloroethene	ND	ug/kg	25	8260B	ak	04/20/99
1,2-Dichloropropane	ND	ug/kg	25	8260B	ak	04/20/99
1,3-Dichloropropane	ND	ug/kg	25	8260B	ak	04/20/99
2,2-Dichloropropane	ND	ug/kg	25	8260B	ak	04/20/99
1,1-Dichloropropene	ND	ug/kg	25	8260B	ak	04/20/99
cis-1,3-Dichloropropene	ND	ug/kg	25	8260B	ak	04/20/99
trans-1,3-Dichloropropene	ND	ug/kg	25	8260B	ak	04/20/99
Ethylbenzene	ND	ug/kg	25	8260B	ak	04/20/99
Hexachlorobutadiene	250	ug/kg	25	8260B	ak	04/20/99
2-Hexanone	ND	ug/kg	25	8260B	ak	04/20/99
Iodomethane	ND	ug/kg	25	8260B	ak	04/20/99



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Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-026  
 Client ID: MW-7 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 12:55  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
Isopropylbenzene	44	ug/kg	25	8260B	ak	04/20/99
p-Isopropyltoluene	51	ug/kg	25	8260B	ak	04/20/99
Methylene Chloride	ND	ug/kg	25	8260B	ak	04/20/99
4-Methyl-2-Pentanone	ND	ug/kg	250	8260B	ak	04/20/99
MTBE	910	ug/kg	25	8260B	ak	04/20/99
Naphthalene	3,100	ug/kg	25	8260B	ak	04/20/99
n-Propylbenzene	150	ug/kg	25	8260B	ak	04/20/99
Styrene	ND	ug/kg	25	8260B	ak	04/20/99
1,1,1,2-Tetrachloroethane	ND	ug/kg	25	8260B	ak	04/20/99
1,1,1,2-Tetrachloroethane	ND	ug/kg	25	8260B	ak	04/20/99
Tetrachloroethene	ND	ug/kg	25	8260B	ak	04/20/99
Toluene	ND	ug/kg	25	8260B	ak	04/20/99
1,2,3-Trichloropropane	1,800	ug/kg	25	8260B	ak	04/20/99
1,2,3-Trichlorobenzene	ND	ug/kg	25	8260B	ak	04/20/99
1,2,4-Trichlorobenzene	ND	ug/kg	25	8260B	ak	04/20/99
1,1,1-Trichloroethane	ND	ug/kg	25	8260B	ak	04/20/99
1,1,2-Trichloroethane	ND	ug/kg	25	8260B	ak	04/20/99
Trichloroethene	ND	ug/kg	25	8260B	ak	04/20/99
Trichlorofluoromethane	ND	ug/kg	25	8260B	ak	04/20/99
1,2,4-Trimethylbenzene	ND	ug/kg	25	8260B	ak	04/20/99
1,3,5-Trimethylbenzene	11,000	ug/kg	25	8260B	ak	04/20/99
Vinyl Acetate	5,800	ug/kg	25	8260B	ak	04/20/99
Vinyl Chloride	ND	ug/kg	25	8260B	ak	04/20/99
o-Xylene	ND	ug/kg	10	8260B	ak	04/20/99
p-m-Xylene	9,800	ug/kg	25	8260B	ak	04/20/99
	19,000	ug/kg	25	8260B	ak	04/20/99

The detection limit reported is based on a X5 dilution of the sample.



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-026  
 Client ID: MW-7 0-2'  
 Matrix: Soil

Date Sampled: 04/07/99 12:55  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>SURROGATE STUDIES - VOLATILES</u>						
Bromofluorobenzene	92	Percent			ak	04/20/99
Dibromofluoromethane	102	Percent			ak	04/20/99
Toluene-D8	97	Percent			ak	04/20/99
<u>PCBS</u>						
Extraction Date:	04/13/99					
PCB-1016	ND	ug/kg	500	8082	os	
PCB-1221	ND	ug/kg	500	8082	mb	04/16/99
PCB-1232	ND	ug/kg	500	8082	mb	04/16/99
PCB-1242	ND	ug/kg	500	8082	mb	04/16/99
PCB-1248	1,300	ug/kg	500	8082	mb	04/16/99
PCB-1254	840	ug/kg	500	8082	mb	04/16/99
PCB-1260	ND	ug/kg	500	8082	mb	04/16/99
The detection limit reported is based on a X2 dilution of the sample.						
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	65	Percent			mb	04/16/99
<u>MISCELLANEOUS TESTING</u>						
Percent Moisture	11.18	Percent			os	04/15/99



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Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-027  
 Client ID: MW-7 2-4'  
 Matrix: Soil

Date Sampled: 04/07/99 13:05  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
Acetone	ND	ug/kg	500000	8260B	ak	04/20/99
Acrolein	ND	ug/kg	500000	8260B	ak	04/20/99
Acrylonitrile	ND	ug/kg	500000	8260B	ak	04/20/99
Benzene	18,000	ug/kg	5000	8260B	ak	04/20/99
Bromobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
Bromochloromethane	ND	ug/kg	25000	8260B	ak	04/20/99
Bromodichloromethane	ND	ug/kg	25000	8260B	ak	04/20/99
Bromoform	ND	ug/kg	25000	8260B	ak	04/20/99
Bromomethane	ND	ug/kg	25000	8260B	ak	04/20/99
2-Butanone	ND	ug/kg	25000	8260B	ak	04/20/99
n-Butylbenzene	ND	ug/kg	500000	8260B	ak	04/20/99
sec-Butylbenzene	ND	ug/kg	25000	8260B	ak	04/20/99
tert-Butylbenzene	ND	ug/kg	25000	8260B	ak	04/20/99
Carbon Disulfide	ND	ug/kg	25000	8260B	ak	04/20/99
Carbon Tetrachloride	ND	ug/kg	25000	8260B	ak	04/20/99
Chlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
Chloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
2-Chloroethylvinyl Ether	ND	ug/kg	25000	8260B	ak	04/20/99
Chloroform	ND	ug/kg	25000	8260B	ak	04/20/99
Chloromethane	ND	ug/kg	25000	8260B	ak	04/20/99
2-Chlorotoluene	ND	ug/kg	25000	8260B	ak	04/20/99
4-Chlorotoluene	ND	ug/kg	25000	8260B	ak	04/20/99
1,2-Dibromo-3-Chloropropane	ND	ug/kg	25000	8260B	ak	04/20/99
Dibromochloromethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,2-Dibromoethane (EDB)	ND	ug/kg	25000	8260B	ak	04/20/99
Dibromomethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,2-Dichlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
1,3-Dichlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-027  
 Client ID: MW-7 2-4'  
 Matrix: Soil

Date Sampled: 04/07/99 13:05  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
1,4-Dichlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
Dichlorodifluoromethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,1-Dichloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,2-Dichloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,1-Dichloroethene	ND	ug/kg	5000	8260B	ak	04/20/99
cis-1,2-Dichloroethene	ND	ug/kg	25000	8260B	ak	04/20/99
trans-1,2-Dichloroethene	ND	ug/kg	25000	8260B	ak	04/20/99
1,2-Dichloropropane	ND	ug/kg	25000	8260B	ak	04/20/99
1,3-Dichloropropane	ND	ug/kg	25000	8260B	ak	04/20/99
2,2-Dichloropropane	ND	ug/kg	25000	8260B	ak	04/20/99
1,1-Dichloropropene	ND	ug/kg	25000	8260B	ak	04/20/99
cis-1,3-Dichloropropene	ND	ug/kg	25000	8260B	ak	04/20/99
trans-1,3-Dichloropropene	ND	ug/kg	25000	8260B	ak	04/20/99
Ethylbenzene	ND	ug/kg	25000	8260B	ak	04/20/99
Hexachlorobutadiene	140,000	ug/kg	25000	8260B	ak	04/20/99
2-Hexanone	ND	ug/kg	25000	8260B	ak	04/20/99
Iodomethane	ND	ug/kg	25000	8260B	ak	04/20/99
Isopropylbenzene	ND	ug/kg	25000	8260B	ak	04/20/99
p-Isopropyltoluene	ND	ug/kg	25000	8260B	ak	04/20/99
Methylene Chloride	ND	ug/kg	25000	8260B	ak	04/20/99
4-Methyl-2-Pentanone	ND	ug/kg	25000	8260B	ak	04/20/99
MTBE	ND	ug/kg	250000	8260B	ak	04/20/99
Naphthalene	ND	ug/kg	25000	8260B	ak	04/20/99
n-Propylbenzene	100,000	ug/kg	25000	8260B	ak	04/20/99
Styrene	64,000	ug/kg	25000	8260B	ak	04/20/99
1,1,1,2-Tetrachloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,1,2,2-Tetrachloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
Tetrachloroethene	ND	ug/kg	25000	8260B	ak	04/20/99



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Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-027  
 Client ID: MW-7 2-4'  
 Matrix: Soil

Date Sampled: 04/07/99 13:05  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
Toluene	320,000	ug/kg	25000	8260B	ak	04/20/99
1,2,3-Trichloropropane	ND	ug/kg	25000	8260B	ak	04/20/99
1,2,3-Trichlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
1,2,4-Trichlorobenzene	ND	ug/kg	25000	8260B	ak	04/20/99
1,1,1-Trichloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,1,2-Trichloroethane	ND	ug/kg	25000	8260B	ak	04/20/99
Trichloroethene	ND	ug/kg	25000	8260B	ak	04/20/99
Trichlorofluoromethane	ND	ug/kg	25000	8260B	ak	04/20/99
1,2,4-Trimethylbenzene	ND	ug/kg	25000	8260B	ak	04/20/99
1,3,5-Trimethylbenzene	480,000	ug/kg	25000	8260B	ak	04/20/99
Vinyl Acetate	150,000	ug/kg	25000	8260B	ak	04/20/99
Vinyl Chloride	ND	ug/kg	25000	8260B	ak	04/20/99
o-Xylene	ND	ug/kg	10000	8260B	ak	04/20/99
p-m-Xylene	240,000	ug/kg	25000	8260B	ak	04/20/99
	570,000	ug/kg	25000	8260B	ak	04/20/99

The detection limit reported is based on a X5000 dilution of the sample.

SURROGATE STUDIES - VOLATILES

Bromofluorobenzene	89	Percent			ak	04/20/99
Dibromofluoromethane	102	Percent			ak	04/20/99
Toluene-D8	94	Percent			ak	04/20/99

PCBS

Extraction Date:	04/13/99					
PCB-1016	See note:	ug/kg	500	8082	os mb	04/16/99

Due to the high concentration of PCB-1242 found in this sample we are unable to determine the presence of PCB-1016.



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F I N A L R E P O R T

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-027  
 Client ID: MW-7 2-4'  
 Matrix: Soil

Date Sampled: 04/07/99 13:05  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>PCBS</b>						
PCB-1221	ND	ug/kg	500	8082	mb	04/16/99
PCB-1232	ND	ug/kg	500	8082	mb	04/16/99
PCB-1242	620	ug/kg	500	8082	mb	04/16/99
PCB-1248	930	ug/kg	500	8082	mb	04/16/99
PCB-1254	ND	ug/kg	500	8082	mb	04/16/99
PCB-1260	ND	ug/kg	500	8082	mb	04/16/99
The detection limit reported is based on a X2 dilution of the sample.						
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	65	Percent			mb	04/16/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	7.9	Percent			os	04/15/99





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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-028  
 Client ID: MW-7 5-7'  
 Matrix: Soil

Date Sampled: 04/07/99 13:30  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
Acetone						
Acrolein	ND	ug/kg	100	8260B	ak	04/20/99
Acrylonitrile	ND	ug/kg	100	8260B	ak	04/20/99
Benzene	ND	ug/kg	100	8260B	ak	04/20/99
Bromobenzene	4	ug/kg	1	8260B	ak	04/20/99
Bromochloromethane	ND	ug/kg	5	8260B	ak	04/20/99
Bromodichloromethane	ND	ug/kg	5	8260B	ak	04/20/99
Bromoform	ND	ug/kg	5	8260B	ak	04/20/99
Bromomethane	ND	ug/kg	5	8260B	ak	04/20/99
2-Butanone	ND	ug/kg	5	8260B	ak	04/20/99
n-Butylbenzene	ND	ug/kg	100	8260B	ak	04/20/99
sec-Butylbenzene	ND	ug/kg	5	8260B	ak	04/20/99
tert-Butylbenzene	ND	ug/kg	5	8260B	ak	04/20/99
Carbon Disulfide	ND	ug/kg	5	8260B	ak	04/20/99
Carbon Tetrachloride	ND	ug/kg	5	8260B	ak	04/20/99
Chlorobenzene	ND	ug/kg	5	8260B	ak	04/20/99
Chloroethane	ND	ug/kg	5	8260B	ak	04/20/99
2-Chloroethylvinyl Ether	ND	ug/kg	5	8260B	ak	04/20/99
Chloroform	ND	ug/kg	5	8260B	ak	04/20/99
Chloromethane	ND	ug/kg	5	8260B	ak	04/20/99
2-Chlorotoluene	ND	ug/kg	5	8260B	ak	04/20/99
4-Chlorotoluene	ND	ug/kg	5	8260B	ak	04/20/99
1,2-Dibromo-3-Chloropropane	ND	ug/kg	5	8260B	ak	04/20/99
Dibromochloromethane	ND	ug/kg	5	8260B	ak	04/20/99
1,2-Dibromoethane (EDB)	ND	ug/kg	5	8260B	ak	04/20/99
Dibromomethane	ND	ug/kg	5	8260B	ak	04/20/99
1,2-Dichlorobenzene	ND	ug/kg	5	8260B	ak	04/20/99
1,3-Dichlorobenzene	ND	ug/kg	5	8260B	ak	04/20/99
	ND	ug/kg	5	8260B	ak	04/20/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-028  
 Client ID: MW-7 5-7'  
 Matrix: Soil

Date Sampled: 04/07/99 13:30  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
1,4-Dichlorobenzene	ND	ug/kg	5	8260B	ak	04/20/99
Dichlorodifluoromethane	ND	ug/kg	5	8260B	ak	04/20/99
1,1-Dichloroethane	ND	ug/kg	5	8260B	ak	04/20/99
1,2-Dichloroethane	ND	ug/kg	1	8260B	ak	04/20/99
1,1-Dichloroethene	ND	ug/kg	5	8260B	ak	04/20/99
cis-1,2-Dichloroethene	ND	ug/kg	5	8260B	ak	04/20/99
trans-1,2-Dichloroethene	ND	ug/kg	5	8260B	ak	04/20/99
1,2-Dichloropropane	ND	ug/kg	5	8260B	ak	04/20/99
1,3-Dichloropropane	ND	ug/kg	5	8260B	ak	04/20/99
2,2-Dichloropropane	ND	ug/kg	5	8260B	ak	04/20/99
1,1-Dichloropropene	ND	ug/kg	5	8260B	ak	04/20/99
cis-1,3-Dichloropropene	ND	ug/kg	5	8260B	ak	04/20/99
trans-1,3-Dichloropropene	ND	ug/kg	5	8260B	ak	04/20/99
Ethylbenzene	ND	ug/kg	5	8260B	ak	04/20/99
Hexachlorobutadiene	ND	ug/kg	5	8260B	ak	04/20/99
2-Hexanone	ND	ug/kg	5	8260B	ak	04/20/99
Iodomethane	ND	ug/kg	5	8260B	ak	04/20/99
Isopropylbenzene	ND	ug/kg	5	8260B	ak	04/20/99
p-Isopropyltoluene	ND	ug/kg	5	8260B	ak	04/20/99
Methylene Chloride	ND	ug/kg	5	8260B	ak	04/20/99
4-Methyl-2-Pentanone	ND	ug/kg	5	8260B	ak	04/20/99
MTBE	ND	ug/kg	50	8260B	ak	04/20/99
Naphthalene	32	ug/kg	5	8260B	ak	04/20/99
n-Propylbenzene	ND	ug/kg	5	8260B	ak	04/20/99
Styrene	ND	ug/kg	5	8260B	ak	04/20/99
1,1,1,2-Tetrachloroethane	ND	ug/kg	5	8260B	ak	04/20/99
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	8260B	ak	04/20/99
Tetrachloroethene	ND	ug/kg	5	8260B	ak	04/20/99



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F I N A L R E P O R T

Client Information

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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

Sample Information

Lab ID: 91021186-028  
 Client ID: MW-7 5-7'  
 Matrix: Soil

Date Sampled: 04/07/99 13:30  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
Toluene	7	ug/kg	5	8260B	ak	04/20/99
1,2,3-Trichloropropane	ND	ug/kg	5	8260B	ak	04/20/99
1,2,3-Trichlorobenzene	ND	ug/kg	5	8260B	ak	04/20/99
1,2,4-Trichlorobenzene	7	ug/kg	5	8260B	ak	04/20/99
1,1,1-Trichloroethane	ND	ug/kg	5	8260B	ak	04/20/99
1,1,2-Trichloroethane	ND	ug/kg	5	8260B	ak	04/20/99
Trichloroethene	ND	ug/kg	5	8260B	ak	04/20/99
Trichlorofluoromethane	ND	ug/kg	5	8260B	ak	04/20/99
1,2,4-Trimethylbenzene	ND	ug/kg	5	8260B	ak	04/20/99
1,3,5-Trimethylbenzene	ND	ug/kg	5	8260B	ak	04/20/99
Vinyl Acetate	ND	ug/kg	5	8260B	ak	04/20/99
Vinyl Chloride	ND	ug/kg	5	8260B	ak	04/20/99
o-Xylene	ND	ug/kg	2	8260B	ak	04/20/99
p-m-Xylene	7	ug/kg	5	8260B	ak	04/20/99
	7	ug/kg	5	8260B	ak	04/20/99
<b><u>SURROGATE STUDIES - VOLATILES</u></b>						
Bromofluorobenzene	99	Percent			ak	04/20/99
Dibromofluoromethane	101	Percent			ak	04/20/99
Toluene-D8	93	Percent			ak	04/20/99
<b><u>PCBS</u></b>						
Extraction Date:	04/13/99					
PCB-1016	ND	ug/kg	250	8082	os	
PCB-1221	ND	ug/kg	250	8082	mb	04/15/99
PCB-1232	ND	ug/kg	250	8082	mb	04/15/99
PCB-1242	ND	ug/kg	250	8082	mb	04/15/99
PCB-1248	ND	ug/kg	250	8082	mb	04/15/99
PCB-1254	ND	ug/kg	250	8082	mb	04/15/99
	ND	ug/kg	250	8082	mb	04/15/99



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F I N A L R E P O R T

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Zywia Wojnar/Jay Kaplan

**Sample Information**

Lab ID: 91021186-028  
 Client ID: MW-7 5-7'  
 Matrix: Soil

Date Sampled: 04/07/99 13:30  
 Date Received: 04/12/99 : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>PCBS</u> PCB-1260	ND	ug/kg	250	8082	mb	04/15/99
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u> 2,4,5,6-Tetrachloro-meta-xylene	77	Percent			mb	04/15/99
<u>MISCELLANEOUS TESTING</u> Percent Moisture	16.1	Percent			os	04/15/99



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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name:

Sample Information

Lab ID: 91021186-029  
 Client ID: QC Report - Soil  
 Matrix: Soil

Date Sampled: / / :  
 Date Received: / / : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>DUPLICATE STUDIES</u>						
Arsenic ID:	1186-001					
Arsenic Variance:	6	Percent				
Cadmium ID:	1186-001					
Cadmium Variance:	4	Percent				
Chromium ID:	1186-001					
Chromium Variance:	9	Percent				
Lead ID:	1186-001					
Lead Variance:	12	Percent				
Mercury ID:	1187-019					
Mercury Variance:	6	Percent				
<u>MATRIX SPIKE STUDIES - METALS</u>						
Arsenic ID:	1186-001					
Arsenic Recovery:	91	Percent				
Cadmium ID:	1186-001					
Cadmium Recovery:	98	Percent				
Chromium ID:	1186-001					
Chromium Recovery:	105	Percent				
Lead ID:	1186-001					
Lead Recovery:	99	Percent				
Mercury ID:	1187-019					
Mercury Recovery:	102	Percent				
<u>METHOD BLANKS</u>						
Method Blank - Pesticide/PCB	ND	ug/l		8080		
Method Blank - Volatile	ND	ug/l		8260B		
<u>MATRIX SPIKE STUDIES - VOLATILES</u>						
Sample ID:	1279-001					



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name:

Sample Information

Lab ID: 91021186-029  
 Client ID: QC Report - Soil  
 Matrix: Soil

Date Sampled: / / :  
 Date Received: / / : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>MATRIX SPIKE STUDIES - VOLATILES</u>						
Benzene	123	Percent				
Chlorobenzene	112	Percent				
1,1-Dichloroethene	135	Percent				
Toluene	103	Percent				
Trichloroethene	121	Percent				

METHOD SUMMARIES

Metal analysis is performed using Graphite Furnace/Atomic Absorption or ICP Spectroscopy. Mercury is determined by Cold Vapor method.

NOTE: Analytical results have been corrected and are reported on a dry weight basis. If required, detection limits can also be corrected to dry weight using the percent moisture data included in this report.

Pesticide/PCB analysis is performed according to EPA 600 and SW846 protocol. Equipment includes H/P 5890 series II GC with H/P 7673 autosampler. GC is equipped with dual columns and dual ECD detectors for compound confirmation. Data reduction is performed using an H/P chemstation.

Volatile organic analysis is performed using Hewlett Packard 5890 GC's and 5970 and 5972 MSD's when requested. Chromatography incorporates megabore columns. Procedures follow EPA and SW846 guidelines for all analysis.

METHOD REFERENCES

1. Test Methods For Evaluating Solid Waste: Physical Chemical Methods. EPA SW 846. Rev. December 1996.
2. Methods For Chemical Analysis of Water and Wastes. EPA 600/4-79-200. Revised March 1983.
3. Standard Methods For Examination of Water and Wastewater. APHA-AWWA-WACF., 18th Edition. 1992.
4. EPA Methods For The Determination of Organic Compounds in Drinking Water.



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F I N A L R E P O R T

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (04/12/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name:

**Sample Information**

Lab ID: 91021186-030  
 Client ID: QC Report - Soil  
 Matrix: Soil

Date Sampled: / / :  
 Date Received: / / : 0  
 Date Reported: 04/21/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>METHOD BLANKS</u> Method Blank - Pesticide/PCB	ND	ug/l		8080		
<u>METHOD SUMMARIES</u>						

NOTE: Analytical results have been corrected and are reported on a dry weight basis. If required, detection limits can also be corrected to dry weight using the percent moisture data included in this report.

Pesticide/PCB analysis is performed according to EPA 600 and SW846 protocol. Equipment includes H/P 5890 series II GC with H/P 7673 autosampler. GC is equipped with dual columns and dual ECD detectors for compound confirmation. Data reduction is performed using an H/P chemstation.

METHOD REFERENCES

1. Test Methods For Evaluating Solid Waste: Physical Chemical Methods. EPA SW 846. Rev. December 1996.
2. Methods For Chemical Analysis of Water and Wastes. EPA 600/4-79-200. Revised March 1983.
3. Standard Methods For Examination of Water and Wastewater. APHA-AWWA-WACF., 18th Edition. 1992.
4. EPA Methods For The Determination of Organic Compounds in Drinking Water.

Project Information		Client Information	
Project Name: MK9690	Send Reports to:		
Project No.:	Company: Ecosystems Strategies		
Project Location: Kingston	Address: 60 Worrall Avenue		
Project Manager: Zywia Wojnar	Pough, NY 12603		
Sampler(s): Jay Kaplan	Phone: (914) 452-1658		
Zywia Wojnar	Fax: (914) 485-7083		
PO #:	Lab Quote #:	Account # (Lab Use Only)	
Turn-Around: <input checked="" type="checkbox"/> Standard 10 business days	Final Report: <input type="checkbox"/> Mail <input type="checkbox"/> Overnight <input type="checkbox"/> Fax	Disk format:	
<input type="checkbox"/> Other (specify):	<input type="checkbox"/> EDT Diskette (If checked, call for pricing)		
Note: Less than 10 days must be pre-approved!			

Form No.	Page 3 of 3
<b>FILTRATION (0.45 um) &amp; PRESERVATION INFORMATION</b>	
<b>FILTRATION</b> <input type="checkbox"/> DONE <input checked="" type="checkbox"/> NOT NEEDED <input type="checkbox"/> LAB TO DO*	<b>PRESERVATION</b> <input type="checkbox"/> DONE <input checked="" type="checkbox"/> NOT NEEDED <input type="checkbox"/> LAB TO DO*
*Please specify which samples need to be filtered and/or preserved by the lab.	
<b>IF SPECIAL OR NON-ROUTINE DETECTION LIMITS ARE REQUIRED, PLEASE CALL THE LAB.</b>	

PCBs  
 As, Cd, Cr, Pb, Hg  
 VOCs 8260

TOTAL # OF BOTTLES

Lab ID (Lab Use Only)	Client/Field Sample ID	Collection		Sample Source / Matrix	Analyses (write test methods above & "x"s below for each sample to be tested)										Sample Remarks (below)		
		Date	Time														
	HB-3 2-4'	4/7/99	14:30	soil	✓												
	HB-4 0-6"		14:40		✓	✓											
	MW-7 0-2'		12:55		✓	✓	✓										
	MW-7 2-4'		13:05		✓		✓										
	MW-7 5-7'	✓	13:30	✓	✓		✓										

**MATRIX**  
 Matrix Analytical, Inc.  
 106 South Street  
 Hopkinton, MA 01748  
 Phone: (800) 362-8749  
 Fax: (508) 435-2497

NOTES:

**CHAIN-OF-CUSTODY RECORD**

Relinquished By:	Date/Time	Received By:	Date/Time	Condition of Samples Upon Arrival
Zywia Wojnar	4/10/99 11:00	Jue	4-9-1130	<input type="checkbox"/> Okay <input type="checkbox"/> Problem(s)
				<b>Distribution of Copies</b> White-Lab Yellow-Report Pink-Client



TOTAL # OF BOTTLES

Project Information		Client Information	
Project Name: MK9690	Send Reports to:		
Project No.:	Company: Ecosystems Strategies		
Project Location: Kingston	Address: 60 Worral Avenue		
Project Manager: Zywia Wójnar	Pough., NY 12603		
Sampler(s): Zywia Wójnar Jay Kaplan	Phone: (914) 452-1158		
PO #: Lab Quote #:	Fax: (914) 485-7083		
Turn-Around: <input checked="" type="checkbox"/> Standard 10 business days <input type="checkbox"/> Other (specify):	Account # (Lab Use Only)		
Note: Less than 10 days must be pre-approved!	Final Report: <input type="checkbox"/> Mail <input type="checkbox"/> Overnight <input type="checkbox"/> Fax <input type="checkbox"/> EDT Diskette (If checked, call for pricing)		
	Disk format:		

Form No. \_\_\_\_\_ Page 2 of 3

**FILTRATION (0.45 um) & PRESERVATION INFORMATION**

<b>FILTRATION</b>	<b>PRESERVATION</b>
<input type="checkbox"/> DONE	<input type="checkbox"/> DONE
<input checked="" type="checkbox"/> NOT NEEDED	<input checked="" type="checkbox"/> NOT NEEDED
<input type="checkbox"/> LAB TO DO*	<input type="checkbox"/> LAB TO DO*

\*Please specify which samples need to be filtered and/or preserved by the lab.

**IF SPECIAL OR NON-ROUTINE DETECTION LIMITS ARE REQUIRED, PLEASE CALL THE LAB.**

PCBS  
As, Cd, Cr, Pb, Hg  
VOCs 8260

Lab ID (Lab Use Only)	Client/Field Sample ID	Collection		Sample Source / Matrix	Analyses (write test methods above & "x's" below for each sample to be tested)										Sample Remarks (below)	
		Date	Time													
	B105 1-2.5	4/7/99	14:50	SOIL	-	✓										
	B105 5-7		15:00		-											
	B106 0-2		15:15		-	✓										
	B106 3-5		15:25		-											
	B107 0-2		15:40		-	✓										
	B107 4-6		15:50		-											
	B108 3-5		16:10		✓											
	B108 0-2		16:00		✓	✓										
	HB-1 0-2		13:30		✓	✓										
	HB-2 0-2		13:45		✓	✓										
	HB-2 2-3'		14:00		-											
	HB-3 0-2	✓	14:15	✓	✓	✓										

**MATRIX**  
Matrix Analytical, Inc.  
106 South Street  
Hopkinton, MA 01748  
Phone: (800) 362-8749  
Fax: (508) 435-2497

NOTES:

**CHAIN-OF-CUSTODY RECORD**

Relinquished By:	Date/Time	Received By:	Date/Time	Condition of Samples Upon Arrival
Zywia Wójnar	4/10/99 11:00	J. Hill	4/9/99	<input type="checkbox"/> Okay <input type="checkbox"/> Problem(s)
				Distribution of Copies White-Lab Yellow-Report Pink-Client

Project Information		Client Information	
Project Name: MK9690	Send Reports to:		
Project No.:	Company: Ecosystems Strategies		
Project Location: Kingston	Address: 60 Worrall Avenue		
Project Manager: Zywia Wójnar	Pough., NY 12603		
Sampler(s): Zywia Wójnar Jay Kaplan	Phone: (914) 452-1658		
PO #:	Fax: (914) 485-7083		
Lab Quote #:	Account # (Lab Use Only)		
Turn-Around: <input checked="" type="checkbox"/> Standard 10 business days <input type="checkbox"/> Other (specify):	Final Report: <input type="checkbox"/> Mail <input type="checkbox"/> Overnight <input type="checkbox"/> Fax <input type="checkbox"/> EDT Diskette (If checked, call for pricing)		
Note: Less than 10 days must be pre-approved!	Disk format:		

Form No.	Page 1 of 3
<b>FILTRATION (0.45 um) &amp; PRESERVATION INFORMATION</b>	
<b>FILTRATION</b> <input type="checkbox"/> DONE <input checked="" type="checkbox"/> NOT NEEDED <input type="checkbox"/> LAB TO DO*	<b>PRESERVATION</b> <input type="checkbox"/> DONE <input checked="" type="checkbox"/> NOT NEEDED <input type="checkbox"/> LAB TO DO*
*Please specify which samples need to be filtered and/or preserved by the lab.	
<b>IF SPECIAL OR NON-ROUTINE DETECTION LIMITS ARE REQUIRED, PLEASE CALL THE LAB.</b>	

PCBs  
 As, Cd, Cr, Pb, Hg  
 VOCs 8260

TOTAL # OF BOTTLES

Lab ID (Lab Use Only)	Client/Field Sample ID	Collection		Sample Source / Matrix	Analyses (write test methods above & "x's" below for each sample to be tested)						Sample Remarks (below)	
		Date	Time									
	B101 0-1'	4/7/99	9:25	Soil	✓	✓						
	B101 2-4'		9:35	Soil	✓							
	B101 4-6'		9:40	Soil	✓							
	<del>B102 0-2'</del>		<del>10:10</del>	<del>Soil</del>	<del>✓</del>	<del>✓</del>	<del>✓</del>					
	B102 0-2'		10:15	Soil	✓	✓	✓					
	B102 4'		10:40	Soil	✓		✓					
	B102 2-3'		10:25	Soil	✓		✓					
	B103 0-2'		11:00	Soil	✓	✓						
	B103 2-4'		11:05	Soil	✓							
	B103 4-6'		11:10	Soil	✓							
	B104 0-2'		11:30	Soil	✓	✓						
	B104 3-5'	✓	11:35	Soil	✓							

**MATRIX** Matrix Analytical, Inc.  
 106 South Street  
 Hopkinton, MA 01748  
 Phone: (800) 362-8749  
 Fax: (508) 435-2497

NOTES:

**CHAIN-OF-CUSTODY RECORD**

Relinquished By:	Date/Time	Received By:	Date/Time	Condition of Samples Upon Arrival
Zywia Wójnar	4/10/99 11:00	J. [Signature]	4/9/99 11:30	<input type="checkbox"/> Okay <input type="checkbox"/> Problem(s)
				Distribution of Copies White-Lab Yellow-Report Pink-Client

**APPENDIX C-2**



ANALYTICAL DATA  
SUMMARY

Report Date: 05/13/99

Account: Ecosystems Strategies  
Address: 60 Worrall Ave.  
Poughkeepsie, NY 12603  
914-452-1658

Project Manager: Jay Kaplan  
Project Name: Ecosystems (05/03/99)  
Project No.: MK9690

Sample Information:

<u>Laboratory ID</u>	<u>Client/Field ID</u>	<u>Laboratory ID</u>	<u>Client/Field ID</u>
91201457-001	MW-1	91201457-006	MW-6
91201457-002	MW-2	91201457-007	MW-7
91201457-003	MW-3	91201457-008	Trip Blk
91201457-004	MW-4	91201457-009	QC-Report - Groundwater
91201457-005	MW-5		

Reviewed by

Glen Breland  
Laboratory Director

Lab Certifications

EPA ID: No. MA059  
Massachusetts: No. M-MA059  
Maine: Reciprocity  
Rhode Island: No. 87  
South Carolina: No. 88011

Florida(DEP): QA Plan No. 900437G  
Florida(HRS): No. E87290  
Connecticut: No. PH0515  
New York: ELAP No. 11116  
New Hampshire: No. 2041



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-001  
 Client ID: MW-1  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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SAMPLE PREPARATION

Metal Digestion	05/04/99			3015		
Mercury Digestion	05/04/99			7470/7471	ag	

TRACE METALS

Cadmium	ND	mg/l	0.001	213.2	ja	05/04/99
Lead	0.003	mg/l	0.001	239.2	ja	05/04/99
Mercury	ND	mg/l	0.001	245.1	ag	05/04/99

VOLATILE ORGANICS

Bromobenzene	ND	ug/l	1	8021B	dg	05/11/99
Bromochloromethane	ND	ug/l	1	8021B	dg	05/11/99
Bromodichloromethane	ND	ug/l	1	8021B	dg	05/11/99
Bromoform	ND	ug/l	1	8021B	dg	05/11/99
Bromomethane	ND	ug/l	1	8021B	dg	05/11/99
Benzene	ND	ug/l	1	8021B	dg	05/11/99
n-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
sec-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
tert-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Carbon Tetrachloride	ND	ug/l	1	8021B	dg	05/11/99
Chlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
Chloroethane	ND	ug/l	1	8021B	dg	05/11/99
Chloroform	ND	ug/l	1	8021B	dg	05/11/99
Chloromethane	ND	ug/l	1	8021B	dg	05/11/99
2-Chlorotoluene	ND	ug/l	1	8021B	dg	05/11/99
4-Chlorotoluene	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dibromo-3-Chloropropane	ND	ug/l	5	8021B	dg	05/11/99
Dibromochloromethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dibromoethane	ND	ug/l	1	8021B	dg	05/11/99



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F I N A L R E P O R T

Client Information

Account:	Ecosystems Strategies	Project Name:	Ecosystems (05/03/99)
Address:	60 Worrall Ave.	Project Number:	MK9690
	Poughkeepsie, NY 12603	Project Manager:	Jay Kaplan
		Sampler Name:	Jay Kaplan/Larry Porres

Sample Information

Lab ID:	91201457-001	Date Sampled:	04/29/99 :
Client ID:	MW-1	Date Received:	04/30/99 : 0
Matrix:	Groundwater	Date Reported:	05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
Dibromomethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,3-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,4-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
Dichlorodifluoromethane	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichloroethane	ND	ug/l	1	8021B	dg	05/11/99
cis-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
trans-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,3-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
2,2-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
cis-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
trans-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
Ethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Hexachlorobutadiene	ND	ug/l	1	8021B	dg	05/11/99
Isopropylbenzene	ND	ug/l	1	8021B	dg	05/11/99
p-Isopropyltoluene	ND	ug/l	1	8021B	dg	05/11/99
Methylene Chloride	ND	ug/l	4	8021B	dg	05/11/99
MTBE	ND	ug/l	5	8021B	dg	05/11/99
Naphthalene	ND	ug/l	1	8021B	dg	05/11/99
n-Propylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Styrene	ND	ug/l	1	8021B	dg	05/11/99
1,1,1,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,1,2,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	05/11/99
Tetrachloroethene	ND	ug/l	1	8021B	dg	05/11/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-001  
 Client ID: MW-1  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**VOLATILE ORGANICS**

Toluene	ND	ug/l	1	8021B	dg	05/11/99
1,2,3-Trichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,2,4-Trichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,1,1-Trichloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,1,2-Trichloroethane	ND	ug/l	1	8021B	dg	05/11/99
Trichloroethene	ND	ug/l	1	8021B	dg	05/11/99
Trichlorofluoromethane	ND	ug/l	1	8021B	dg	05/11/99
1,2,3-Trichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,2,4-Trimethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
1,3,5-Trimethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Vinyl Chloride	ND	ug/l	1	8021B	dg	05/11/99
o-Xylene	ND	ug/l	1	8021B	dg	05/11/99
p/m-Xylene	ND	ug/l	1	8021B	dg	05/11/99

**SURROGATE STUDIES - VOLATILES**

4-Bromochlorobenzene	102	Percent			dg	05/11/99
1,4-Dichlorobutane	111	Percent			dg	05/11/99

**PCBS**

Extraction Date:	05/05/99				lg	
PCB-1016	ND	ug/l	2.5	608	mb	05/06/99
PCB-1221	ND	ug/l	2.5	608	mb	05/06/99
PCB-1232	ND	ug/l	2.5	608	mb	05/06/99
PCB-1242	ND	ug/l	2.5	608	mb	05/06/99
PCB 1248	ND	ug/l	2.5	608	mb	05/06/99
PCB-1254	ND	ug/l	2.5	608	mb	05/06/99
PCB-1260	ND	ug/l	2.5	608	mb	05/06/99

**SURROGATE STUDIES - PESTICIDES/PCBS**

2,4,5,6-Tetrachloro-meta-xylene	77	Percent			mb	05/06/99
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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-002  
 Client ID: MW-2  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>SAMPLE PREPARATION</b>						
Metal Digestion	05/04/99			3015		
Mercury Digestion	05/04/99			7470/7471	ag	
<b>TRACE METALS</b>						
Cadmium	ND	mg/l	0.001	213.2	ja	05/04/99
Lead	0.026	mg/l	0.001	239.2	ja	05/04/99
Mercury	ND	mg/l	0.001	245.1	ag	05/04/99
<b>VOLATILE ORGANICS</b>						
Bromobenzene	ND	ug/l	1	8021B	dg	05/11/99
Bromochloromethane	ND	ug/l	1	8021B	dg	05/11/99
Bromodichloromethane	ND	ug/l	1	8021B	dg	05/11/99
Bromoform	ND	ug/l	1	8021B	dg	05/11/99
Bromomethane	ND	ug/l	1	8021B	dg	05/11/99
Benzene	ND	ug/l	1	8021B	dg	05/11/99
n-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
sec-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
tert-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Carbon Tetrachloride	ND	ug/l	1	8021B	dg	05/11/99
Chlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
Chloroethane	ND	ug/l	1	8021B	dg	05/11/99
Chloroform	ND	ug/l	1	8021B	dg	05/11/99
Chloromethane	ND	ug/l	1	8021B	dg	05/11/99
2-Chlorotoluene	ND	ug/l	1	8021B	dg	05/11/99
4-Chlorotoluene	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dibromo-3-Chloropropane	ND	ug/l	5	8021B	dg	05/11/99
Dibromochloromethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dibromoethane	ND	ug/l	1	8021B	dg	05/11/99





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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-002  
 Client ID: MW-2  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
Dibromomethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,3-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,4-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
Dichlorodifluoromethane	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichloroethane	ND	ug/l	1	8021B	dg	05/11/99
cis-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
trans-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,3-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
2,2-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
cis-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
trans-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
Ethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Hexachlorobutadiene	ND	ug/l	1	8021B	dg	05/11/99
Isopropylbenzene	ND	ug/l	1	8021B	dg	05/11/99
p-Isopropyltoluene	ND	ug/l	1	8021B	dg	05/11/99
Methylene Chloride	ND	ug/l	4	8021B	dg	05/11/99
MTBE	44	ug/l	5	8021B	dg	05/11/99
Naphthalene	ND	ug/l	1	8021B	dg	05/11/99
n-Propylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Styrene	ND	ug/l	1	8021B	dg	05/11/99
1,1,1,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,1,2,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	05/11/99
Tetrachloroethene	ND	ug/l	1	8021B	dg	05/11/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-002  
 Client ID: MW-2  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
Toluene	ND	ug/l	1	8021B	dg	05/11/99
1,2,3-Trichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,2,4-Trichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,1,1-Trichloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,1,2-Trichloroethane	ND	ug/l	1	8021B	dg	05/11/99
Trichloroethene	ND	ug/l	1	8021B	dg	05/11/99
Trichlorofluoromethane	ND	ug/l	1	8021B	dg	05/11/99
1,2,3-Trichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,2,4-Trimethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
1,3,5-Trimethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Vinyl Chloride	ND	ug/l	1	8021B	dg	05/11/99
o-Xylene	ND	ug/l	1	8021B	dg	05/11/99
p/m-Xylene	ND	ug/l	1	8021B	dg	05/11/99
<b><u>SURROGATE STUDIES - VOLATILES</u></b>						
4-Bromochlorobenzene	104	Percent			dg	05/11/99
1,4-Dichlorobutane	112	Percent			dg	05/11/99
<b><u>PCBS</u></b>						
Extraction Date:	05/05/99				lg	
PCB-1016	ND	ug/l	2.5	608	mb	05/06/99
PCB-1221	ND	ug/l	2.5	608	mb	05/06/99
PCB-1232	ND	ug/l	2.5	608	mb	05/06/99
PCB-1242	ND	ug/l	2.5	608	mb	05/06/99
PCB 1248	ND	ug/l	2.5	608	mb	05/06/99
PCB-1254	ND	ug/l	2.5	608	mb	05/06/99
PCB-1260	ND	ug/l	2.5	608	mb	05/06/99
<b><u>SURROGATE STUDIES - PESTICIDES/PCBS</u></b>						
2,4,5,6-Tetrachloro-meta-xylene	78	Percent			mb	05/06/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-003  
 Client ID: MW-3  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>SAMPLE PREPARATION</b>						
Metal Digestion	05/04/99			3015		
Mercury Digestion	05/04/99			7470/7471	ag	
<b>TRACE METALS</b>						
Cadmium	ND	mg/l	0.001	213.2	ja	05/04/99
Lead	0.006	mg/l	0.001	239.2	ja	05/04/99
Mercury	ND	mg/l	0.001	245.1	ag	05/04/99
<b>VOLATILE ORGANICS</b>						
Bromobenzene	ND	ug/l	1	8021B	dg	05/11/99
Bromochloromethane	ND	ug/l	1	8021B	dg	05/11/99
Bromodichloromethane	ND	ug/l	1	8021B	dg	05/11/99
Bromoform	ND	ug/l	1	8021B	dg	05/11/99
Bromomethane	ND	ug/l	1	8021B	dg	05/11/99
Benzene	ND	ug/l	1	8021B	dg	05/11/99
n-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
sec-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
tert-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Carbon Tetrachloride	ND	ug/l	1	8021B	dg	05/11/99
Chlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
Chloroethane	ND	ug/l	1	8021B	dg	05/11/99
Chloroform	ND	ug/l	1	8021B	dg	05/11/99
Chloromethane	ND	ug/l	1	8021B	dg	05/11/99
2-Chlorotoluene	ND	ug/l	1	8021B	dg	05/11/99
4-Chlorotoluene	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dibromo-3-Chloropropane	ND	ug/l	5	8021B	dg	05/11/99
Dibromochloromethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dibromoethane	ND	ug/l	1	8021B	dg	05/11/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-003  
 Client ID: MW-3  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
Dibromomethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,3-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,4-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
Dichlorodifluoromethane	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichloroethane	ND	ug/l	1	8021B	dg	05/11/99
cis-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
trans-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,3-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
2,2-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
cis-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
trans-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
Ethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Hexachlorobutadiene	ND	ug/l	1	8021B	dg	05/11/99
Isopropylbenzene	ND	ug/l	1	8021B	dg	05/11/99
p-Isopropyltoluene	ND	ug/l	1	8021B	dg	05/11/99
Methylene Chloride	ND	ug/l	4	8021B	dg	05/11/99
MTBE	ND	ug/l	5	8021B	dg	05/11/99
Naphthalene	ND	ug/l	1	8021B	dg	05/11/99
n-Propylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Styrene	ND	ug/l	1	8021B	dg	05/11/99
1,1,1,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,1,1,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	05/11/99
Tetrachloroethene	ND	ug/l	1	8021B	dg	05/11/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-003  
 Client ID: MW-3  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
Toluene	ND	ug/l	1	8021B	dg	05/11/99
1,2,3-Trichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,2,4-Trichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,1,1-Trichloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,1,2-Trichloroethane	ND	ug/l	1	8021B	dg	05/11/99
Trichloroethene	ND	ug/l	1	8021B	dg	05/11/99
Trichlorofluoromethane	ND	ug/l	1	8021B	dg	05/11/99
1,2,3-Trichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,2,4-Trimethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
1,3,5-Trimethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Vinyl Chloride	ND	ug/l	1	8021B	dg	05/11/99
o-Xylene	ND	ug/l	1	8021B	dg	05/11/99
p/m-Xylene	ND	ug/l	1	8021B	dg	05/11/99
<b><u>SURROGATE STUDIES - VOLATILES</u></b>						
4-Bromochlorobenzene	97	Percent			dg	05/11/99
1,4-Dichlorobutane	112	Percent			dg	05/11/99
<b><u>PCBS</u></b>						
Extraction Date:	05/05/99				lg	
PCB-1016	ND	ug/l	2.5	608	mb	05/06/99
PCB-1221	ND	ug/l	2.5	608	mb	05/06/99
PCB-1232	ND	ug/l	2.5	608	mb	05/06/99
PCB-1242	ND	ug/l	2.5	608	mb	05/06/99
PCB 1248	ND	ug/l	2.5	608	mb	05/06/99
PCB-1254	ND	ug/l	2.5	608	mb	05/06/99
PCB-1260	ND	ug/l	2.5	608	mb	05/06/99
<b><u>SURROGATE STUDIES - PESTICIDES/PCBS</u></b>						
2,4,5,6-Tetrachloro-meta-xylene	81	Percent			mb	05/06/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-004  
 Client ID: MW-4  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion	05/04/99			3015		
Mercury Digestion	05/04/99			7470/7471	ag	

**TRACE METALS**

Cadmium	ND	mg/l	0.001	213.2	ja	05/04/99
Lead	0.015	mg/l	0.001	239.2	ja	05/04/99
Mercury	ND	mg/l	0.001	245.1	ag	05/04/99

**VOLATILE ORGANICS**

Bromobenzene	ND	ug/l	10	8021B	jw	05/11/99
Bromochloromethane	ND	ug/l	10	8021B	jw	05/11/99
Bromodichloromethane	ND	ug/l	10	8021B	jw	05/11/99
Bromoform	ND	ug/l	10	8021B	jw	05/11/99
Bromomethane	ND	ug/l	10	8021B	jw	05/11/99
Benzene	ND	ug/l	10	8021B	jw	05/11/99
n-Butylbenzene	ND	ug/l	10	8021B	jw	05/11/99
sec-Butylbenzene	ND	ug/l	10	8021B	jw	05/11/99
tert-Butylbenzene	ND	ug/l	10	8021B	jw	05/11/99
Carbon Tetrachloride	ND	ug/l	10	8021B	jw	05/11/99
Chlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
Chloroethane	ND	ug/l	10	8021B	jw	05/11/99
Chloroform	ND	ug/l	10	8021B	jw	05/11/99
Chloromethane	ND	ug/l	10	8021B	jw	05/11/99
2-Chlorotoluene	ND	ug/l	10	8021B	jw	05/11/99
4-Chlorotoluene	ND	ug/l	10	8021B	jw	05/11/99
1,2-Dibromo-3-Chloropropane	ND	ug/l	50	8021B	jw	05/11/99
Dibromochloromethane	ND	ug/l	10	8021B	jw	05/11/99
1,2-Dibromoethane	ND	ug/l	10	8021B	jw	05/11/99



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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-004  
 Client ID: MW-4  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
Dibromomethane	ND	ug/l	10	8021B	jw	05/11/99
1,2-Dichlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
1,3-Dichlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
1,4-Dichlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
Dichlorodifluoromethane	ND	ug/l	10	8021B	jw	05/11/99
1,1-Dichloroethane	ND	ug/l	10	8021B	jw	05/11/99
1,2-Dichloroethane	ND	ug/l	10	8021B	jw	05/11/99
cis-1,2-Dichloroethene	ND	ug/l	10	8021B	jw	05/11/99
1,1-Dichloroethene	ND	ug/l	10	8021B	jw	05/11/99
trans-1,2-Dichloroethene	ND	ug/l	10	8021B	jw	05/11/99
1,2-Dichloropropane	ND	ug/l	10	8021B	jw	05/11/99
1,3-Dichloropropane	ND	ug/l	10	8021B	jw	05/11/99
2,2-Dichloropropane	ND	ug/l	10	8021B	jw	05/11/99
1,1-Dichloropropene	ND	ug/l	10	8021B	jw	05/11/99
cis-1,3-Dichloropropene	ND	ug/l	10	8021B	jw	05/11/99
trans-1,3-Dichloropropene	ND	ug/l	10	8021B	jw	05/11/99
Ethylbenzene	ND	ug/l	10	8021B	jw	05/11/99
Hexachlorobutadiene	ND	ug/l	10	8021B	jw	05/11/99
Isopropylbenzene	ND	ug/l	10	8021B	jw	05/11/99
p-Isopropyltoluene	ND	ug/l	10	8021B	jw	05/11/99
Methylene Chloride	ND	ug/l	40	8021B	jw	05/11/99
MTBE	610	ug/l	50	8021B	jw	05/11/99
Naphthalene	ND	ug/l	10	8021B	jw	05/11/99
n-Propylbenzene	ND	ug/l	10	8021B	jw	05/11/99
Styrene	ND	ug/l	10	8021B	jw	05/11/99
1,1,1,2-Tetrachloroethane	ND	ug/l	10	8021B	jw	05/11/99
1,1,2,2-Tetrachloroethane	ND	ug/l	10	8021B	jw	05/11/99
Tetrachloroethene	ND	ug/l	10	8021B	jw	05/11/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-004  
 Client ID: MW-4  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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VOLATILE ORGANICS

Toluene	ND	ug/l	10	8021B	jw	05/11/99
1,2,3-Trichlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
1,2,4-Trichlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
1,1,1-Trichloroethane	ND	ug/l	10	8021B	jw	05/11/99
1,1,2-Trichloroethane	ND	ug/l	10	8021B	jw	05/11/99
Trichloroethene	ND	ug/l	10	8021B	jw	05/11/99
Trichlorofluoromethane	ND	ug/l	10	8021B	jw	05/11/99
1,2,3-Trichloropropane	ND	ug/l	10	8021B	jw	05/11/99
1,2,4-Trimethylbenzene	ND	ug/l	10	8021B	jw	05/11/99
1,3,5-Trimethylbenzene	ND	ug/l	10	8021B	jw	05/11/99
Vinyl Chloride	ND	ug/l	10	8021B	jw	05/11/99
o-Xylene	ND	ug/l	10	8021B	jw	05/11/99
p/m-Xylene	ND	ug/l	10	8021B	jw	05/11/99

The detection limit reported is based on a X10 dilution of the sample.

SURROGATE STUDIES - VOLATILES

4-Bromochlorobenzene	97	Percent			jw	05/11/99
1,4-Dichlorobutane	100	Percent			jw	05/11/99

PCBS

Extraction Date:	05/05/99				lg	
PCB-1016	ND	ug/l	2.5	608	mb	05/06/99
PCB-1221	ND	ug/l	2.5	608	mb	05/06/99
PCB-1232	ND	ug/l	2.5	608	mb	05/06/99
PCB-1242	ND	ug/l	2.5	608	mb	05/06/99
PCB 1248	ND	ug/l	2.5	608	mb	05/06/99





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F I N A L R E P O R T

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-004  
 Client ID: MW-4  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>PCBS</b>						
PCB-1254	ND	ug/l	2.5	608	mb	05/06/99
PCB-1260	ND	ug/l	2.5	608	mb	05/06/99
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	80	Percent			mb	05/06/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-005  
 Client ID: MW-5  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion	05/04/99			3015		
Mercury Digestion	05/04/99			7470/7471	ag	

**TRACE METALS**

Cadmium	ND	mg/l	0.001	213.2	ja	05/04/99
Lead	ND	mg/l	0.001	239.2	ja	05/04/99
Mercury	ND	mg/l	0.001	245.1	ag	05/04/99

**VOLATILE ORGANICS**

Bromobenzene	ND	ug/l	10	8021B	jw	05/11/99
Bromochloromethane	ND	ug/l	10	8021B	jw	05/11/99
Bromodichloromethane	ND	ug/l	10	8021B	jw	05/11/99
Bromoform	ND	ug/l	10	8021B	jw	05/11/99
Bromomethane	ND	ug/l	10	8021B	jw	05/11/99
Benzene	ND	ug/l	10	8021B	jw	05/11/99
n-Butylbenzene	ND	ug/l	10	8021B	jw	05/11/99
sec-Butylbenzene	ND	ug/l	10	8021B	jw	05/11/99
tert-Butylbenzene	ND	ug/l	10	8021B	jw	05/11/99
Carbon Tetrachloride	ND	ug/l	10	8021B	jw	05/11/99
Chlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
Chloroethane	ND	ug/l	10	8021B	jw	05/11/99
Chloroform	ND	ug/l	10	8021B	jw	05/11/99
Chloromethane	ND	ug/l	10	8021B	jw	05/11/99
2-Chlorotoluene	ND	ug/l	10	8021B	jw	05/11/99
4-Chlorotoluene	ND	ug/l	10	8021B	jw	05/11/99
1,2-Dibromo-3-Chloropropane	ND	ug/l	50	8021B	jw	05/11/99
Dibromochloromethane	ND	ug/l	10	8021B	jw	05/11/99
1,2-Dibromoethane	ND	ug/l	10	8021B	jw	05/11/99



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F I N A L R E P O R T

Client Information

Account:	Ecosystems Strategies	Project Name:	Ecosystems (05/03/99)
Address:	60 Worrall Ave.	Project Number:	MK9690
	Poughkeepsie, NY 12603	Project Manager:	Jay Kaplan
		Sampler Name:	Jay Kaplan/Larry Porres

Sample Information

Lab ID:	91201457-005	Date Sampled:	04/29/99 :
Client ID:	MW-5	Date Received:	04/30/99 : 0
Matrix:	Groundwater	Date Reported:	05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
Dibromomethane	ND	ug/l	10	8021B	jw	05/11/99
1,2-Dichlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
1,3-Dichlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
1,4-Dichlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
Dichlorodifluoromethane	ND	ug/l	10	8021B	jw	05/11/99
1,1-Dichloroethane	ND	ug/l	10	8021B	jw	05/11/99
1,2-Dichloroethane	ND	ug/l	10	8021B	jw	05/11/99
cis-1,2-Dichloroethene	ND	ug/l	10	8021B	jw	05/11/99
1,1-Dichloroethene	ND	ug/l	10	8021B	jw	05/11/99
trans-1,2-Dichloroethene	ND	ug/l	10	8021B	jw	05/11/99
1,2-Dichloropropane	ND	ug/l	10	8021B	jw	05/11/99
1,3-Dichloropropane	ND	ug/l	10	8021B	jw	05/11/99
2,2-Dichloropropane	ND	ug/l	10	8021B	jw	05/11/99
1,1-Dichloropropene	ND	ug/l	10	8021B	jw	05/11/99
cis-1,3-Dichloropropene	ND	ug/l	10	8021B	jw	05/11/99
trans-1,3-Dichloropropene	ND	ug/l	10	8021B	jw	05/11/99
Ethylbenzene	ND	ug/l	10	8021B	jw	05/11/99
Hexachlorobutadiene	ND	ug/l	10	8021B	jw	05/11/99
Isopropylbenzene	ND	ug/l	10	8021B	jw	05/11/99
p-Isopropyltoluene	ND	ug/l	10	8021B	jw	05/11/99
Methylene Chloride	ND	ug/l	40	8021B	jw	05/11/99
MTBE	320	ug/l	50	8021B	jw	05/11/99
Naphthalene	ND	ug/l	10	8021B	jw	05/11/99
n-Propylbenzene	ND	ug/l	10	8021B	jw	05/11/99
Styrene	ND	ug/l	10	8021B	jw	05/11/99
1,1,1,2-Tetrachloroethane	ND	ug/l	10	8021B	jw	05/11/99
1,1,2,2-Tetrachloroethane	ND	ug/l	10	8021B	jw	05/11/99
Tetrachloroethene	ND	ug/l	10	8021B	jw	05/11/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-005  
 Client ID: MW-5  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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VOLATILE ORGANICS

Toluene	ND	ug/l	10	8021B	jw	05/11/99
1,2,3-Trichlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
1,2,4-Trichlorobenzene	ND	ug/l	10	8021B	jw	05/11/99
1,1,1-Trichloroethane	ND	ug/l	10	8021B	jw	05/11/99
1,1,2-Trichloroethane	ND	ug/l	10	8021B	jw	05/11/99
Trichloroethene	ND	ug/l	10	8021B	jw	05/11/99
Trichlorofluoromethane	ND	ug/l	10	8021B	jw	05/11/99
1,2,3-Trichloropropane	ND	ug/l	10	8021B	jw	05/11/99
1,2,4-Trimethylbenzene	ND	ug/l	10	8021B	jw	05/11/99
1,3,5-Trimethylbenzene	ND	ug/l	10	8021B	jw	05/11/99
Vinyl Chloride	ND	ug/l	10	8021B	jw	05/11/99
o-Xylene	ND	ug/l	10	8021B	jw	05/11/99
p/m-Xylene	ND	ug/l	10	8021B	jw	05/11/99

The detection limit reported is based on a X10 dilution of the sample.

SURROGATE STUDIES - VOLATILES

4-Bromochlorobenzene	95	Percent			jw	05/11/99
1,4-Dichlorobutane	100	Percent			jw	05/11/99

PCBS

Extraction Date:	05/05/99				lg	
PCB-1016	ND	ug/l	2.5	608	mb	05/06/99
PCB-1221	ND	ug/l	2.5	608	mb	05/06/99
PCB-1232	ND	ug/l	2.5	608	mb	05/06/99
PCB-1242	ND	ug/l	2.5	608	mb	05/06/99
PCB 1248	ND	ug/l	2.5	608	mb	05/06/99



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F I N A L R E P O R T

*Client Information*

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

*Sample Information*

Lab ID: 91201457-005  
 Client ID: MW-5  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>PCBS</u>						
PCB-1254	ND	ug/l	2.5	608	mb	05/06/99
PCB-1260	ND	ug/l	2.5	608	mb	05/06/99
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	82	Percent			mb	05/06/99



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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-006  
 Client ID: MW-6  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion	05/04/99			3015		
Mercury Digestion	05/04/99			7470/7471	ag	

**TRACE METALS**

Cadmium	ND	mg/l	0.001	213.2	ja	05/04/99
Lead	ND	mg/l	0.001	239.2	ja	05/04/99
Mercury	ND	mg/l	0.001	245.1	ag	05/04/99

**VOLATILE ORGANICS**

Bromobenzene	ND	ug/l	100	8021B	jw	05/11/99
Bromochloromethane	ND	ug/l	100	8021B	jw	05/11/99
Bromodichloromethane	ND	ug/l	100	8021B	jw	05/11/99
Bromoform	ND	ug/l	100	8021B	jw	05/11/99
Bromomethane	ND	ug/l	100	8021B	jw	05/11/99
Benzene	ND	ug/l	100	8021B	jw	05/11/99
n-Butylbenzene	ND	ug/l	100	8021B	jw	05/11/99
sec-Butylbenzene	ND	ug/l	100	8021B	jw	05/11/99
tert-Butylbenzene	ND	ug/l	100	8021B	jw	05/11/99
Carbon Tetrachloride	ND	ug/l	100	8021B	jw	05/11/99
Chlorobenzene	ND	ug/l	100	8021B	jw	05/11/99
Chloroethane	ND	ug/l	100	8021B	jw	05/11/99
Chloroform	ND	ug/l	100	8021B	jw	05/11/99
Chloromethane	ND	ug/l	100	8021B	jw	05/11/99
2-Chlorotoluene	ND	ug/l	100	8021B	jw	05/11/99
4-Chlorotoluene	ND	ug/l	100	8021B	jw	05/11/99
1,2-Dibromo-3-Chloropropane	ND	ug/l	500	8021B	jw	05/11/99
Dibromochloromethane	ND	ug/l	100	8021B	jw	05/11/99
1,2-Dibromoethane	ND	ug/l	100	8021B	jw	05/11/99



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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-006  
 Client ID: MW-6  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
Dibromomethane	ND	ug/l	100	8021B	jw	05/11/99
1,2-Dichlorobenzene	ND	ug/l	100	8021B	jw	05/11/99
1,3-Dichlorobenzene	ND	ug/l	100	8021B	jw	05/11/99
1,4-Dichlorobenzene	ND	ug/l	100	8021B	jw	05/11/99
Dichlorodifluoromethane	ND	ug/l	100	8021B	jw	05/11/99
1,1-Dichloroethane	ND	ug/l	100	8021B	jw	05/11/99
1,2-Dichloroethane	ND	ug/l	100	8021B	jw	05/11/99
cis-1,2-Dichloroethene	ND	ug/l	100	8021B	jw	05/11/99
1,1-Dichloroethene	ND	ug/l	100	8021B	jw	05/11/99
trans-1,2-Dichloroethene	ND	ug/l	100	8021B	jw	05/11/99
1,2-Dichloropropane	ND	ug/l	100	8021B	jw	05/11/99
1,3-Dichloropropane	ND	ug/l	100	8021B	jw	05/11/99
2,2-Dichloropropane	ND	ug/l	100	8021B	jw	05/11/99
1,1-Dichloropropene	ND	ug/l	100	8021B	jw	05/11/99
cis-1,3-Dichloropropene	ND	ug/l	100	8021B	jw	05/11/99
trans-1,3-Dichloropropene	ND	ug/l	100	8021B	jw	05/11/99
Ethylbenzene	ND	ug/l	100	8021B	jw	05/11/99
Hexachlorobutadiene	ND	ug/l	100	8021B	jw	05/11/99
Isopropylbenzene	ND	ug/l	100	8021B	jw	05/11/99
p-Isopropyltoluene	ND	ug/l	100	8021B	jw	05/11/99
Methylene Chloride	ND	ug/l	400	8021B	jw	05/11/99
MTBE	1,400	ug/l	500	8021B	jw	05/11/99
Naphthalene	ND	ug/l	100	8021B	jw	05/11/99
n-Propylbenzene	ND	ug/l	100	8021B	jw	05/11/99
Styrene	ND	ug/l	100	8021B	jw	05/11/99
1,1,1,2-Tetrachloroethane	ND	ug/l	100	8021B	jw	05/11/99
1,1,1,2,2-Tetrachloroethane	ND	ug/l	100	8021B	jw	05/11/99
Tetrachloroethene	ND	ug/l	100	8021B	jw	05/11/99



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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-006  
 Client ID: MW-6  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**VOLATILE ORGANICS**

Toluene	ND	ug/l	100	8021B	jw	05/11/99
1,2,3-Trichlorobenzene	ND	ug/l	100	8021B	jw	05/11/99
1,2,4-Trichlorobenzene	ND	ug/l	100	8021B	jw	05/11/99
1,1,1-Trichloroethane	ND	ug/l	100	8021B	jw	05/11/99
1,1,2-Trichloroethane	ND	ug/l	100	8021B	jw	05/11/99
Trichloroethene	ND	ug/l	100	8021B	jw	05/11/99
Trichlorofluoromethane	ND	ug/l	100	8021B	jw	05/11/99
1,2,3-Trichloropropane	ND	ug/l	100	8021B	jw	05/11/99
1,2,4-Trimethylbenzene	ND	ug/l	100	8021B	jw	05/11/99
1,3,5-Trimethylbenzene	ND	ug/l	100	8021B	jw	05/11/99
Vinyl Chloride	ND	ug/l	100	8021B	jw	05/11/99
o-Xylene	ND	ug/l	100	8021B	jw	05/11/99
p/m-Xylene	ND	ug/l	100	8021B	jw	05/11/99

The detection limit reported is based on a X100 dilution of the sample.

**SURROGATE STUDIES - VOLATILES**

4-Bromochlorobenzene	99	Percent			jw	05/11/99
1,4-Dichlorobutane	105	Percent			jw	05/11/99

**PCBS**

Extraction Date:	05/05/99				lg	
PCB-1016	ND	ug/l	2.5	608	mb	05/07/99
PCB-1221	ND	ug/l	2.5	608	mb	05/07/99
PCB-1232	ND	ug/l	2.5	608	mb	05/07/99
PCB-1242	ND	ug/l	2.5	608	mb	05/07/99
PCB 1248	ND	ug/l	2.5	608	mb	05/07/99





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FINAL REPORT

Client Information

Account: Ecosystems Strategies  
Address: 60 Worrall Ave.  
Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
Project Number: MK9690  
Project Manager: Jay Kaplan  
Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-006  
Client ID: MW-6  
Matrix: Groundwater

Date Sampled: 04/29/99 :  
Date Received: 04/30/99 : 0  
Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<u>PCBS</u>						
PCB-1254	ND	ug/l	2.5	608	mb	05/07/99
PCB-1260	ND	ug/l	2.5	608	mb	05/07/99
<u>SURROGATE STUDIES - PESTICIDES/PCBS</u>						
2,4,5,6-Tetrachloro-meta-xylene	83	Percent			mb	05/07/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-007  
 Client ID: MW-7  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>SAMPLE PREPARATION</b>						
Metal Digestion	05/04/99			3015		
Mercury Digestion	05/04/99			7470/7471	ag	
<b>TRACE METALS</b>						
Cadmium	ND	mg/l	0.001	213.2	ja	05/04/99
Lead	ND	mg/l	0.001	239.2	ja	05/04/99
Mercury	ND	mg/l	0.001	245.1	ag	05/04/99
<b>VOLATILE ORGANICS</b>						
Bromobenzene	ND	ug/l	1	8021B	dg	05/12/99
Bromochloromethane	ND	ug/l	1	8021B	dg	05/12/99
Bromodichloromethane	ND	ug/l	1	8021B	dg	05/12/99
Bromoform	ND	ug/l	1	8021B	dg	05/12/99
Bromomethane	ND	ug/l	1	8021B	dg	05/12/99
Benzene	13	ug/l	1	8021B	dg	05/12/99
n-Butylbenzene	2	ug/l	1	8021B	dg	05/12/99
sec-Butylbenzene	ND	ug/l	1	8021B	dg	05/12/99
tert-Butylbenzene	ND	ug/l	1	8021B	dg	05/12/99
Carbon Tetrachloride	ND	ug/l	1	8021B	dg	05/12/99
Chlorobenzene	ND	ug/l	1	8021B	dg	05/12/99
Chloroethane	ND	ug/l	1	8021B	dg	05/12/99
Chloroform	ND	ug/l	1	8021B	dg	05/12/99
Chloromethane	ND	ug/l	1	8021B	dg	05/12/99
2-Chlorotoluene	ND	ug/l	1	8021B	dg	05/12/99
4-Chlorotoluene	ND	ug/l	1	8021B	dg	05/12/99
1,2-Dibromo-3-Chloropropane	ND	ug/l	5	8021B	dg	05/12/99
Dibromochloromethane	ND	ug/l	1	8021B	dg	05/12/99
1,2-Dibromoethane	ND	ug/l	1	8021B	dg	05/12/99



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FINAL REPORT

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

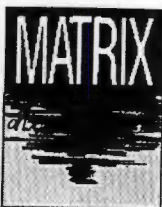
Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-007  
 Client ID: MW-7  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
Dibromomethane	ND	ug/l	1	8021B	dg	05/12/99
1,2-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/12/99
1,3-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/12/99
1,4-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/12/99
Dichlorodifluoromethane	ND	ug/l	1	8021B	dg	05/12/99
1,1-Dichloroethane	ND	ug/l	1	8021B	dg	05/12/99
1,2-Dichloroethane	ND	ug/l	1	8021B	dg	05/12/99
cis-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	05/12/99
1,1-Dichloroethene	ND	ug/l	1	8021B	dg	05/12/99
trans-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	05/12/99
1,2-Dichloropropane	ND	ug/l	1	8021B	dg	05/12/99
1,3-Dichloropropane	ND	ug/l	1	8021B	dg	05/12/99
2,2-Dichloropropane	ND	ug/l	1	8021B	dg	05/12/99
1,1-Dichloropropene	ND	ug/l	1	8021B	dg	05/12/99
cis-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	05/12/99
trans-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	05/12/99
Ethylbenzene	2	ug/l	1	8021B	dg	05/12/99
Hexachlorobutadiene	ND	ug/l	1	8021B	dg	05/12/99
Isopropylbenzene	ND	ug/l	1	8021B	dg	05/12/99
p-Isopropyltoluene	ND	ug/l	1	8021B	dg	05/12/99
Methylene Chloride	ND	ug/l	4	8021B	dg	05/12/99
MTBE	480	ug/l	5	8021B	dg	05/12/99
Naphthalene	ND	ug/l	1	8021B	dg	05/12/99
n-Propylbenzene	ND	ug/l	1	8021B	dg	05/12/99
Styrene	ND	ug/l	1	8021B	dg	05/12/99
1,1,1,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	05/12/99
1,1,2,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	05/12/99
Tetrachloroethene	ND	ug/l	1	8021B	dg	05/12/99



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FINAL REPORT

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-007  
 Client ID: MW-7  
 Matrix: Groundwater

Date Sampled: 04/29/99 :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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VOLATILE ORGANICS

Toluene	39	ug/l	1	8021B	dg	05/12/99
1,2,3-Trichlorobenzene	ND	ug/l	1	8021B	dg	05/12/99
1,2,4-Trichlorobenzene	ND	ug/l	1	8021B	dg	05/12/99
1,1,1-Trichloroethane	ND	ug/l	1	8021B	dg	05/12/99
1,1,2-Trichloroethane	ND	ug/l	1	8021B	dg	05/12/99
Trichloroethene	ND	ug/l	1	8021B	dg	05/12/99
Trichlorofluoromethane	ND	ug/l	1	8021B	dg	05/12/99
1,2,3-Trichloropropane	ND	ug/l	1	8021B	dg	05/12/99
1,2,4-Trimethylbenzene	4	ug/l	1	8021B	dg	05/12/99
1,3,5-Trimethylbenzene	2	ug/l	1	8021B	dg	05/12/99
Vinyl Chloride	ND	ug/l	1	8021B	dg	05/12/99
o-Xylene	8	ug/l	1	8021B	dg	05/12/99
p/m-Xylene	11	ug/l	1	8021B	dg	05/12/99

SURROGATE STUDIES - VOLATILES

4-Bromochlorobenzene	117	Percent			dg	05/12/99
1,4-Dichlorobutane	101	Percent			dg	05/12/99

PCBS

Extraction Date:	05/05/99				lg	
PCB-1016	ND	ug/l	2.5	608	mb	05/07/99
PCB-1221	ND	ug/l	2.5	608	mb	05/07/99
PCB-1232	ND	ug/l	2.5	608	mb	05/07/99
PCB-1242	ND	ug/l	2.5	608	mb	05/07/99
PCB 1248	ND	ug/l	2.5	608	mb	05/07/99
PCB-1254	ND	ug/l	2.5	608	mb	05/07/99
PCB-1260	ND	ug/l	2.5	608	mb	05/07/99

SURROGATE STUDIES - PESTICIDES/PCBS

2,4,5,6-Tetrachloro-meta-xylene	83	Percent			mb	05/07/99
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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

Sample Information

Lab ID: 91201457-008  
 Client ID: Trip Blk  
 Matrix: Groundwater

Date Sampled: / / :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
Bromobenzene	ND	ug/l	1	8021B	dg	05/11/99
Bromochloromethane	ND	ug/l	1	8021B	dg	05/11/99
Bromodichloromethane	ND	ug/l	1	8021B	dg	05/11/99
Bromoform	ND	ug/l	1	8021B	dg	05/11/99
Bromomethane	ND	ug/l	1	8021B	dg	05/11/99
Benzene	ND	ug/l	1	8021B	dg	05/11/99
n-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
sec-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
tert-Butylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Carbon Tetrachloride	ND	ug/l	1	8021B	dg	05/11/99
Chlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
Chloroethane	ND	ug/l	1	8021B	dg	05/11/99
Chloroform	ND	ug/l	1	8021B	dg	05/11/99
Chloromethane	ND	ug/l	1	8021B	dg	05/11/99
2-Chlorotoluene	ND	ug/l	1	8021B	dg	05/11/99
4-Chlorotoluene	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dibromo-3-Chloropropane	ND	ug/l	5	8021B	dg	05/11/99
Dibromochloromethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dibromoethane	ND	ug/l	1	8021B	dg	05/11/99
Dibromomethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,3-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,4-Dichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
Dichlorodifluoromethane	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichloroethane	ND	ug/l	1	8021B	dg	05/11/99
cis-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-008  
 Client ID: Trip Blk  
 Matrix: Groundwater

Date Sampled: / / :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>VOLATILE ORGANICS</b>						
trans-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	05/11/99
1,2-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,3-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
2,2-Dichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,1-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
cis-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
trans-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	05/11/99
Ethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Hexachlorobutadiene	ND	ug/l	1	8021B	dg	05/11/99
Isopropylbenzene	ND	ug/l	1	8021B	dg	05/11/99
p-Isopropyltoluene	ND	ug/l	1	8021B	dg	05/11/99
Methylene Chloride	ND	ug/l	4	8021B	dg	05/11/99
MTBE	ND	ug/l	5	8021B	dg	05/11/99
Naphthalene	ND	ug/l	1	8021B	dg	05/11/99
n-Propylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Styrene	ND	ug/l	1	8021B	dg	05/11/99
1,1,1,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,1,1,2,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	05/11/99
Tetrachloroethene	ND	ug/l	1	8021B	dg	05/11/99
Toluene	ND	ug/l	1	8021B	dg	05/11/99
1,2,3-Trichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,2,4-Trichlorobenzene	ND	ug/l	1	8021B	dg	05/11/99
1,1,1-Trichloroethane	ND	ug/l	1	8021B	dg	05/11/99
1,1,2-Trichloroethane	ND	ug/l	1	8021B	dg	05/11/99
Trichloroethene	ND	ug/l	1	8021B	dg	05/11/99
Trichlorofluoromethane	ND	ug/l	1	8021B	dg	05/11/99
1,2,3-Trichloropropane	ND	ug/l	1	8021B	dg	05/11/99
1,2,4-Trimethylbenzene	ND	ug/l	1	8021B	dg	05/11/99



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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name: Jay Kaplan/Larry Porres

**Sample Information**

Lab ID: 91201457-008  
 Client ID: Trip Blk  
 Matrix: Groundwater

Date Sampled: / / :  
 Date Received: 04/30/99 : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
1,3,5-Trimethylbenzene	ND	ug/l	1	8021B	dg	05/11/99
Vinyl Chloride	ND	ug/l	1	8021B	dg	05/11/99
o-Xylene	ND	ug/l	1	8021B	dg	05/11/99
p/m-Xylene	ND	ug/l	1	8021B	dg	05/11/99
<b><u>SURROGATE STUDIES - VOLATILES</u></b>						
4-Bromochlorobenzene	98	Percent			dg	05/11/99
1,4-Dichlorobutane	108	Percent			dg	05/11/99



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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name:

**Sample Information**

Lab ID: 91201457-009  
 Client ID: QC-Report - Groundwater  
 Matrix: Groundwater

Date Sampled: / / :  
 Date Received: / / : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**DUPLICATE STUDIES**

Cadmium ID:	1457-001					
Cadmium Variance:	0	Percent				
Lead ID:	1457-001					
Lead Variance:	0	Percent				
Mercury ID:	1457-001					
Mercury Variance:	0	Percent				

**MATRIX SPIKE STUDIES - METALS**

Cadmium ID:	1457-001					
Cadmium Recovery:	112	Percent				
Lead ID:	1457-001					
Lead Recovery:	94	Percent				
Mercury ID:	1457-001					
Mercury Recovery:	84	Percent				

**METHOD BLANKS**

Method Blank - Pesticide/PCB	ND	ug/l		8080		
Method Blank - Volatile	ND	ug/l		8021B		

**MATRIX SPIKE STUDIES - VOLATILES**

Sample ID:	1457-001					
Benzene	96	Percent				
Chlorobenzene	90	Percent				
1,1-Dichloroethene	120	Percent				
Toluene	88	Percent				
Trichloroethene	103	Percent				

**MATRIX SPIKE STUDIES - PCBs**

Sample ID:	PCBLCS9125					
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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: Ecosystems (05/03/99)  
 Project Number: MK9690  
 Project Manager: Jay Kaplan  
 Sampler Name:

**Sample Information**

Lab ID: 91201457-009  
 Client ID: QC-Report - Groundwater  
 Matrix: Groundwater

Date Sampled: / / :  
 Date Received: / / : 0  
 Date Reported: 05/13/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**MATRIX SPIKE STUDIES - PCBs**

PCB-1221	92	Percent				
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**METHOD SUMMARIES**

Metal analysis is performed using Graphite Furnace/Atomic Absorption or ICP Spectroscopy. Mercury is determined by Cold Vapor method.

Pesticide/PCB analysis is performed according to EPA 600 and SW846 protocol. Equipment includes H/P 5890 series II GC with H/P 7673 autosampler. GC is equipped with dual columns and dual ECD detectors for compound confirmation. Data reduction is performed using an H/P chemstation.

Volatile organic analysis is performed using Hewlett Packard 5890 GC's and 5970 and 5972 MSD's when requested. Chromatography incorporates megabore columns. Procedures follow EPA and SW846 guidelines for all analysis.

**METHOD REFERENCES**

1. Test Methods For Evaluating Solid Waste: Physical Chemical Methods. EPA SW 846. Rev. December 1996.
2. Methods For Chemical Analysis of Water and Wastes. EPA 600/4-79-200. Revised March 1983.
3. Standard Methods For Examination of Water and Wastewater. APHA-AWWA-WACF., 18th Edition. 1992.
4. EPA Methods For The Determination of Organic Compounds in Drinking Water.

Project Information		Client Information		Form No.	Page
Project Name:		Send Reports to:	Paul Ciminello		1 of 1
Project No.:	MK 9690	Company:	Ecosystems	<b>FILTRATION (0.45 um) &amp; PRESERVATION INFORMATION</b> FILTRATION: <input type="checkbox"/> DONE, <input type="checkbox"/> NOT NEEDED, <input checked="" type="checkbox"/> LAB TO DO PRESERVATION: <input checked="" type="checkbox"/> DONE, <input type="checkbox"/> NOT NEEDED, <input type="checkbox"/> LAB TO DO <i>*Please specify which samples need to be filtered and/or preserved by the lab.</i>	
Project Location:		Address:	60 W. Wall Ave		
Project Manager:	SAU KAPLAN	Phone:	914 452-1658	<b>IF SPECIAL OR NON-ROUTINE DETECTION LIMITS ARE REQUIRED, PLEASE CALL THE LAB.</b>	
Sampler(s):	SAU KAPLAN LARRY PORRES	Fax:	914 485-7093		
PO #:	Lab Quote #:	Account # (Lab Use Only):			
Turn-Around:	<input checked="" type="checkbox"/> Standard 10 business days <input type="checkbox"/> Other (specify):	Final Report: <input checked="" type="checkbox"/> Mail <input type="checkbox"/> Overnight <input type="checkbox"/> Fax <input type="checkbox"/> EDT Diskette (if checked, call for pricing)			
Note: Less than 10 days must be pre-approved!		Disk format:			

Hg, Pb, Cd  
 PCBs ONLY 8080  
 1005 8021

TOTAL # OF BOTTLES

Lab ID (Lab Use Only)	Client/Field Sample ID	Collection		Sample Source / Matrix	Analyses (write test methods above & 'X's' below for each sample to be tested)						Sample Remarks (below)		
		Date	Time										
	MW-1	4-29-95		Groundwater	X	X	X						4
	MW-2	"		"	X	X	X						4
	MW-3	"		"	X	X	X						4
	MW-4	"		"	X	X	X						4
	MW-5	"		"	X	X	X						4
	MW-6	"		"	X	X	X						4
	MW-7	"		"	X	X	X						4
	TRIOBIL				X								



**Matrix Analytical, Inc.**  
 106 South Street  
 Hopkinton, MA 01748  
 Phone: (800) 362-8749  
 Fax: (508) 435-2497

NOTES: PCBs collected in 250ml plastic containers

91201457-001

**CHAIN-OF-CUSTODY RECORD**

Relinquished By:	Date/Time	Received By:	Date/Time	<input type="checkbox"/> Okay <input type="checkbox"/> Problem(s)
<i>[Signature]</i>	4-29-95/4:22pm	<i>[Signature]</i>	4/29/95 4:30	
				Distribution of Copies White-Lab Yellow-Report Pink-Client

**APPENDIX C-3**



ANALYTICAL DATA  
SUMMARY

Report Date: 06/23/99

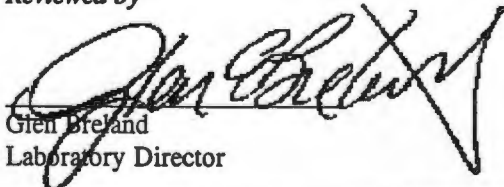
Account: Ecosystems Strategies  
Address: 60 Worrall Ave.  
Poughkeepsie, NY 12603  
914-452-1658

Project Manager: Zywia Wojnar  
Project Name: MK9690 (06/17/99)  
Project No.:

Sample Information:

<u>Laboratory ID</u>	<u>Client/Field ID</u>	<u>Laboratory ID</u>	<u>Client/Field ID</u>
91682334-001	HB-2A	91682334-010	HB-6A 0-12"
91682334-002	HB-1A 0-2'	91682334-011	HB-6A 1-2'
91682334-003	HB-1A 2-3'	91682334-012	HB-7A 0-1'
91682334-004	HB-2A 0-2'	91682334-013	HB-7A 1-2'
91682334-005	HB-2A 2-4'	91682334-014	HB-8A 0-1'
91682334-006	HB-2A 4-6'	91682334-015	TB
91682334-007	HB-3A 0-6"	91682334-016	HB-2A
91682334-008	HB-4A 0-6"	91682334-017	QC-Report - Water
91682334-009	HB-5A 0-12"	91682334-019	QC-Report - Soil

Reviewed by

  
Glen Breland  
Laboratory Director

Lab Certifications

EPA ID: No. MA059  
Massachusetts: No. M-MA059  
Maine: Reciprocity  
Rhode Island: No. 87  
South Carolina: No. 88011

Florida(DEP): QA Plan No. 900437G  
Florida(HRS): No. E87290  
Connecticut: No. PH0515  
New York: ELAP No. 11116  
New Hampshire: No. 2041



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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-001  
 Client ID: HB-2A  
 Matrix: Water

Date Sampled: 06/15/99 11:45  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion	06/18/99			3015		
Mercury Digestion	06/18/99			7470/7471		

**TRACE METALS**

Cadmium	0.023	mg/l	0.001	213.2	ag	06/18/99
Chromium	ND	mg/l	0.20	200.7	ja	06/22/99
Lead	1.1	mg/l	0.1	200.7	ja	06/22/99
Mercury	ND	mg/l	0.001	245.1	ag	06/18/99

**VOLATILE ORGANICS**

Bromobenzene	ND	ug/l	1	8021B	dg	06/23/99
Bromochloromethane	ND	ug/l	1	8021B	dg	06/23/99
Bromodichloromethane	ND	ug/l	1	8021B	dg	06/23/99
Bromoform	ND	ug/l	1	8021B	dg	06/23/99
Bromomethane	ND	ug/l	1	8021B	dg	06/23/99
Benzene	ND	ug/l	1	8021B	dg	06/23/99
n-Butylbenzene	ND	ug/l	1	8021B	dg	06/23/99
sec-Butylbenzene	ND	ug/l	1	8021B	dg	06/23/99
tert-Butylbenzene	ND	ug/l	1	8021B	dg	06/23/99
Carbon Tetrachloride	ND	ug/l	1	8021B	dg	06/23/99
Chlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
Chloroethane	ND	ug/l	1	8021B	dg	06/23/99
Chloroform	ND	ug/l	1	8021B	dg	06/23/99
Chloromethane	ND	ug/l	1	8021B	dg	06/23/99
2-Chlorotoluene	ND	ug/l	1	8021B	dg	06/23/99
4-Chlorotoluene	ND	ug/l	1	8021B	dg	06/23/99
1,2-Dibromo-3-Chloropropane	ND	ug/l	5	8021B	dg	06/23/99
Dibromochloromethane	ND	ug/l	1	8021B	dg	06/23/99



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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-001  
 Client ID: HB-2A  
 Matrix: Water

Date Sampled: 06/15/99 11:45  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
1,2-Dibromoethane	ND	ug/l	1	8021B	dg	06/23/99
Dibromomethane	ND	ug/l	1	8021B	dg	06/23/99
1,2-Dichlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
1,3-Dichlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
1,4-Dichlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
Dichlorodifluoromethane	ND	ug/l	1	8021B	dg	06/23/99
1,1-Dichloroethane	ND	ug/l	1	8021B	dg	06/23/99
1,2-Dichloroethane	ND	ug/l	1	8021B	dg	06/23/99
cis-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	06/23/99
1,1-Dichloroethene	ND	ug/l	1	8021B	dg	06/23/99
trans-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	06/23/99
1,2-Dichloropropane	ND	ug/l	1	8021B	dg	06/23/99
1,3-Dichloropropane	ND	ug/l	1	8021B	dg	06/23/99
2,2-Dichloropropane	ND	ug/l	1	8021B	dg	06/23/99
1,1-Dichloropropene	ND	ug/l	1	8021B	dg	06/23/99
cis-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	06/23/99
trans-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	06/23/99
Ethylbenzene	ND	ug/l	1	8021B	dg	06/23/99
Hexachlorobutadiene	ND	ug/l	1	8021B	dg	06/23/99
Isopropylbenzene	ND	ug/l	1	8021B	dg	06/23/99
p-Isopropyltoluene	ND	ug/l	1	8021B	dg	06/23/99
Methylene Chloride	ND	ug/l	4	8021B	dg	06/23/99
MTBE	65	ug/l	5	8021B	dg	06/23/99
Naphthalene	ND	ug/l	1	8021B	dg	06/23/99
n-Propylbenzene	ND	ug/l	1	8021B	dg	06/23/99
Styrene	ND	ug/l	1	8021B	dg	06/23/99
1,1,1,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	06/23/99
1,1,2,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	06/23/99



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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-001  
 Client ID: HB-2A  
 Matrix: Water

Date Sampled: 06/15/99 11:45  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
Tetrachloroethene	ND	ug/l	1	8021B	dg	06/23/99
Toluene	ND	ug/l	1	8021B	dg	06/23/99
1,2,3-Trichlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
1,2,4-Trichlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
1,1,1-Trichloroethane	ND	ug/l	1	8021B	dg	06/23/99
1,1,2-Trichloroethane	ND	ug/l	1	8021B	dg	06/23/99
Trichloroethene	ND	ug/l	1	8021B	dg	06/23/99
Trichlorofluoromethane	ND	ug/l	1	8021B	dg	06/23/99
1,2,3-Trichloropropane	ND	ug/l	1	8021B	dg	06/23/99
1,2,4-Trimethylbenzene	ND	ug/l	1	8021B	dg	06/23/99
1,3,5-Trimethylbenzene	ND	ug/l	1	8021B	dg	06/23/99
Vinyl Chloride	ND	ug/l	1	8021B	dg	06/23/99
o-Xylene	ND	ug/l	1	8021B	dg	06/23/99
p/m-Xylene	ND	ug/l	1	8021B	dg	06/23/99
<b><u>SURROGATE STUDIES - VOLATILES</u></b>						
4-Bromochlorobenzene	100	Percent			dg	06/23/99
1,4-Dichlorobutane	76	Percent			dg	06/23/99
<b><u>PCBS</u></b>						
Extraction Date:	06/21/99				od	
PCB-1016	ND	ug/l	2.50	608	mb	06/22/99
PCB-1221	ND	ug/l	2.50	608	mb	06/22/99
PCB-1232	ND	ug/l	2.50	608	mb	06/22/99
PCB-1242	ND	ug/l	2.50	608	mb	06/22/99
PCB 1248	ND	ug/l	2.50	608	mb	06/22/99
PCB-1254	ND	ug/l	2.50	608	mb	06/22/99
PCB-1260	ND	ug/l	2.50	608	mb	06/22/99



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**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-001  
 Client ID: HB-2A  
 Matrix: Water

Date Sampled: 06/15/99 11:45  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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SURROGATE STUDIES - PESTICIDES/PCBS

2,4,5,6-Tetrachloro-meta-xylene

69

Percent

mb

06/22/99





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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-002  
 Client ID: HB-1A 0-2'  
 Matrix: Soil

Date Sampled: 06/15/99 11:00  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion 06/18/99 3051

**TRACE METALS**

Cadmium	30	mg/kg	1	6010B	jc	06/23/99
Chromium	105	mg/kg	2	6010B	jc	06/23/99
Lead	3,050	mg/kg	10	6010B	jc	06/23/99
Mercury	12.9	mg/kg	0.1	7471	ag	06/21/99

**PCBS**

Extraction Date:	06/18/99				vc	
PCB-1016	ND	ug/kg	2500	8082	mb	06/22/99
PCB-1221	ND	ug/kg	2500	8082	mb	06/22/99
PCB-1232	ND	ug/kg	2500	8082	mb	06/22/99
PCB-1242	ND	ug/kg	2500	8082	mb	06/22/99
PCB-1248	4,000	ug/kg	2500	8082	mb	06/22/99
PCB-1254	3,000	ug/kg	2500	8082	mb	06/22/99
PCB-1260	ND	ug/kg	2500	8082	mb	06/22/99

The detection limit reported is based on a X10 dilution of the sample.

**SURROGATE STUDIES - PESTICIDES/PCBS**

2,4,5,6-Tetrachloro-meta-xylene 61 Percent mb 06/22/99

**MISCELLANEOUS TESTING**

Percent Moisture 12.4 Percent os 06/18/99



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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-003  
 Client ID: HB-1A 2-3'  
 Matrix: Soil

Date Sampled: 06/15/99 11:10  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion 06/18/99 3051

**TRACE METALS**

Cadmium	ND	mg/kg	5	6010B	jc	06/23/99
Chromium	35	mg/kg	2	6010B	jc	06/23/99
Lead	350	mg/kg	10	6010B	jc	06/23/99
Mercury	0.3	mg/kg	0.1	7471	ag	06/21/99

**PCBS**

Extraction Date:	06/18/99				vc	
PCB-1016	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1221	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1232	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1242	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1248	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1254	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1260	ND	ug/kg	1250	8082	mb	06/22/99

The detection limit reported is based on a X5 dilution of the sample.  
 Detection limit due to matrix interference.

**SURROGATE STUDIES - PESTICIDES/PCBS**

2,4,5,6-Tetrachloro-meta-xylene 89 Percent mb 06/22/99

**MISCELLANEOUS TESTING**

Percent Moisture 15.1 Percent os 06/18/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-004  
 Client ID: HB-2A 0-2'  
 Matrix: Soil

Date Sampled: 06/15/99 11:20  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion	06/18/99			3051		
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**TRACE METALS**

Cadmium	20	mg/kg	1	6010B	jc	06/23/99
Chromium	60	mg/kg	2	6010B	jc	06/23/99
Lead	2,450	mg/kg	10	6010B	jc	06/23/99
Mercury	2.4	mg/kg	0.1	7471	ag	06/21/99

**PCBS**

Extraction Date:	06/18/99				vc	
PCB-1016	ND	ug/kg	5000	8082	mb	06/22/99
PCB-1221	ND	ug/kg	5000	8082	mb	06/22/99
PCB-1232	ND	ug/kg	5000	8082	mb	06/22/99
PCB-1242	ND	ug/kg	5000	8082	mb	06/22/99
PCB-1248	12,000	ug/kg	5000	8082	mb	06/22/99
PCB-1254	9,300	ug/kg	5000	8082	mb	06/22/99
PCB-1260	ND	ug/kg	5000	8082	mb	06/22/99

The detection limit reported is based on a X20 dilution of the sample.  
 Unable to report surrogate recoveries due to the dilution necessary to quantitate this sample.

**MISCELLANEOUS TESTING**

Percent Moisture	7.5	Percent			os	06/18/99
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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-005  
 Client ID: HB-2A 2-4'  
 Matrix: Soil

Date Sampled: 06/15/99 11:25  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>SAMPLE PREPARATION</b>						
Metal Digestion	06/18/99			3051		
<b>TRACE METALS</b>						
Cadmium	ND	mg/kg	1	6010B	jc	06/23/99
Chromium	5	mg/kg	2	6010B	jc	06/23/99
Lead	70	mg/kg	10	6010B	jc	06/23/99
Mercury	0.2	mg/kg	0.1	7471	ag	06/21/99
<b>PCBS</b>						
Extraction Date:	06/18/99				vc	
PCB-1016	ND	ug/kg	250	8082	mb	06/22/99
PCB-1221	ND	ug/kg	250	8082	mb	06/22/99
PCB-1232	ND	ug/kg	250	8082	mb	06/22/99
PCB-1242	ND	ug/kg	250	8082	mb	06/22/99
PCB-1248	ND	ug/kg	250	8082	mb	06/22/99
PCB-1254	ND	ug/kg	250	8082	mb	06/22/99
PCB-1260	ND	ug/kg	250	8082	mb	06/22/99
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	76	Percent			mb	06/22/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	14.9	Percent			os	06/18/99



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**F I N A L R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-006  
 Client ID: HB-2A 4-6'  
 Matrix: Soil

Date Sampled: 06/15/99 11:35  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>SAMPLE PREPARATION</u></b>						
Metal Digestion	06/18/99			3051		
<b><u>TRACE METALS</u></b>						
Cadmium	1	mg/kg	1	6010B	jc	06/23/99
Chromium	9	mg/kg	2	6010B	jc	06/23/99
Lead	10	mg/kg	10	6010B	jc	06/23/99
Mercury	ND	mg/kg	0.1	7471	ag	06/21/99
<b><u>PCBS</u></b>						
Extraction Date:	06/18/99				vc	
PCB-1016	ND	ug/kg	250	8082	mb	06/22/99
PCB-1221	ND	ug/kg	250	8082	mb	06/22/99
PCB-1232	ND	ug/kg	250	8082	mb	06/22/99
PCB-1242	ND	ug/kg	250	8082	mb	06/22/99
PCB-1248	ND	ug/kg	250	8082	mb	06/22/99
PCB-1254	ND	ug/kg	250	8082	mb	06/22/99
PCB-1260	ND	ug/kg	250	8082	mb	06/22/99
<b><u>SURROGATE STUDIES - PESTICIDES/PCBS</u></b>						
2,4,5,6-Tetrachloro-meta-xylene	87	Percent			mb	06/22/99
<b><u>MISCELLANEOUS TESTING</u></b>						
Percent Moisture	15.8	Percent			os	06/18/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-007  
 Client ID: HB-3A 0-6"  
 Matrix: Soil

Date Sampled: 06/15/99 12:00  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion 06/18/99 3051

**TRACE METALS**

Cadmium	25	mg/kg	1	6010B	jc	06/23/99
Chromium	110	mg/kg	2	6010B	jc	06/23/99
Lead	3,300	mg/kg	10	6010B	jc	06/23/99
Mercury	19.9	mg/kg	0.1	7471	ag	06/21/99

**PCBS**

Extraction Date: 06/18/99  
 PCB-1016 See note: ug/kg 2500 8082 mb 06/22/99

Due to the high concentration of PCB-1242 found in this sample we are unable to determine the presence of PCB-1016.

PCB-1221	ND	ug/kg	2500	8082	mb	06/22/99
PCB-1232	ND	ug/kg	2500	8082	mb	06/22/99
PCB-1242	4,600	ug/kg	2500	8082	mb	06/22/99
PCB-1248	6,600	ug/kg	2500	8082	mb	06/22/99
PCB-1254	2,900	ug/kg	2500	8082	mb	06/22/99
PCB-1260	ND	ug/kg	2500	8082	mb	06/22/99

The detection limit reported is based on a X10 dilution of the sample.

**SURROGATE STUDIES - PESTICIDES/PCBS**

2,4,5,6-Tetrachloro-meta-xylene 80 Percent mb 06/22/99

**MISCELLANEOUS TESTING**

Percent Moisture 11.7 Percent os 06/18/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-008  
 Client ID: HB-4A 0-6"  
 Matrix: Soil

Date Sampled: 06/15/99 12:15  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>SAMPLE PREPARATION</b>						
Metal Digestion	06/18/99			3051		
<b>TRACE METALS</b>						
Cadmium	15	mg/kg	1	6010B	jc	06/23/99
Chromium	80	mg/kg	2	6010B	jc	06/23/99
Lead	6,250	mg/kg	10	6010B	jc	06/23/99
Mercury	2.0	mg/kg	0.1	7471	ag	06/21/99
<b>PCBS</b>						
Extraction Date:	06/18/99				vc	
PCB-1016	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1221	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1232	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1242	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1248	2,000	ug/kg	1250	8082	mb	06/22/99
PCB-1254	ND	ug/kg	1250	8082	mb	06/22/99
PCB-1260	ND	ug/kg	1250	8082	mb	06/22/99
The detection limit reported is based on a X5 dilution of the sample.						
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	84	Percent			mb	06/22/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	10.6	Percent			os	06/18/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-009  
 Client ID: HB-5A 0-12"  
 Matrix: Soil

Date Sampled: 06/15/99 12:30  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion	06/18/99			3051		
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**TRACE METALS**

Cadmium	ND	mg/kg	5	6010B	jc	06/23/99
Chromium	30	mg/kg	2	6010B	jc	06/23/99
Lead	150	mg/kg	10	6010B	jc	06/23/99
Mercury	0.3	mg/kg	0.1	7471	ag	06/21/99

**PCBS**

Extraction Date:	06/18/99				vc	
PCB-1016	ND	ug/kg	250	8082	mb	06/22/99
PCB-1221	ND	ug/kg	250	8082	mb	06/22/99
PCB-1232	ND	ug/kg	250	8082	mb	06/22/99
PCB-1242	300	ug/kg	250	8082	mb	06/22/99
PCB-1248	660	ug/kg	250	8082	mb	06/22/99
PCB-1254	280	ug/kg	250	8082	mb	06/22/99
PCB-1260	ND	ug/kg	250	8082	mb	06/22/99

**SURROGATE STUDIES - PESTICIDES/PCBS**

2,4,5,6-Tetrachloro-meta-xylene	81	Percent			mb	06/22/99
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**MISCELLANEOUS TESTING**

Percent Moisture	6.8	Percent			os	06/18/99
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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-010  
 Client ID: HB-6A 0-12"  
 Matrix: Soil

Date Sampled: 06/15/99 13:15  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b>SAMPLE PREPARATION</b>						
Metal Digestion	06/18/99			3051		
<b>TRACE METALS</b>						
Cadmium	3	mg/kg	1	6010B	jc	06/23/99
Chromium	17	mg/kg	2	6010B	jc	06/23/99
Lead	170	mg/kg	10	6010B	jc	06/23/99
Mercury	0.5	mg/kg	0.1	7471	ag	06/21/99
<b>PCBS</b>						
Extraction Date:	06/18/99				vc	
PCB-1016	ND	ug/kg	250	8082	mb	06/22/99
PCB-1221	ND	ug/kg	250	8082	mb	06/22/99
PCB-1232	ND	ug/kg	250	8082	mb	06/22/99
PCB-1242	ND	ug/kg	250	8082	mb	06/22/99
PCB-1248	980	ug/kg	250	8082	mb	06/22/99
PCB-1254	550	ug/kg	250	8082	mb	06/22/99
PCB-1260	ND	ug/kg	250	8082	mb	06/22/99
<b>SURROGATE STUDIES - PESTICIDES/PCBS</b>						
2,4,5,6-Tetrachloro-meta-xylene	78	Percent			mb	06/22/99
<b>MISCELLANEOUS TESTING</b>						
Percent Moisture	5.5	Percent			os	06/18/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-011  
 Client ID: HB-6A 1-2'  
 Matrix: Soil

Date Sampled: 06/15/99 13:25  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Metal Digestion	06/18/99			3051		
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**TRACE METALS**

Cadmium	45	mg/kg	1	6010B	jc	06/23/99
Chromium	100	mg/kg	2	6010B	jc	06/23/99
Lead	7,500	mg/kg	10	6010B	jc	06/23/99
Mercury	1.4	mg/kg	0.1	7471	ag	06/21/99

**PCBS**

Extraction Date:	06/18/99				vc	
PCB-1016	ND	ug/kg	25000	8082	mb	06/22/99
PCB-1221	ND	ug/kg	25000	8082	mb	06/22/99
PCB-1232	ND	ug/kg	25000	8082	mb	06/22/99
PCB-1242	ND	ug/kg	25000	8082	mb	06/22/99
PCB-1248	53,000	ug/kg	25000	8082	mb	06/22/99
PCB-1254	ND	ug/kg	25000	8082	mb	06/22/99
PCB-1260	ND	ug/kg	25000	8082	mb	06/22/99

The detection limit reported is based on a X100 dilution of the sample.  
 Unable to report surrogate recoveries due to the dilution necessary to quantitate this sample.

**SURROGATE STUDIES - PESTICIDES/PCBS**

Dibutyl chlorendate	00	Percent			mb	06/22/99
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**MISCELLANEOUS TESTING**

Percent Moisture	10.0	Percent			os	06/18/99
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F I N A L R E P O R T

Client Information

Account:	Ecosystems Strategies	Project Name:	MK9690 (06/17/99)
Address:	60 Worrall Ave.	Project Number:	
	Poughkeepsie, NY 12603	Project Manager:	Zywia Wojnar
		Sampler Name:	Jay Kaplan

Sample Information

Lab ID:	91682334-012	Date Sampled:	06/15/99 13:45
Client ID:	HB-7A 0-1'	Date Received:	06/17/99 : 0
Matrix:	Soil	Date Reported:	06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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SAMPLE PREPARATION

Metal Digestion	06/18/99			3051		
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TRACE METALS

Cadmium	25	mg/kg	1	6010B	jc	06/23/99
Chromium	100	mg/kg	2	6010B	jc	06/23/99
Lead	3,200	mg/kg	10	6010B	jc	06/23/99
Mercury	56.8	mg/kg	0.1	7471	ag	06/21/99

PCBS

Extraction Date:	06/18/99				vc	
PCB-1016	See note:	ug/kg	5000	8082	mb	06/22/99
Due to the high concentration of PCB-1242 found in this sample we are unable to determine the presence of PCB-1016.						
PCB-1221	ND	ug/kg	5000	8082	mb	06/22/99
PCB-1232	ND	ug/kg	5000	8082	mb	06/22/99
PCB-1242	8,300	ug/kg	5000	8082	mb	06/22/99
PCB-1248	14,000	ug/kg	5000	8082	mb	06/22/99
PCB-1254	ND	ug/kg	5000	8082	mb	06/22/99
PCB-1260	ND	ug/kg	5000	8082	mb	06/22/99

The detection limit reported is based on a X20 dilution of the sample.

SURROGATE STUDIES - PESTICIDES/PCBS

2,4,5,6-Tetrachloro-meta-xylene	91	Percent			mb	06/22/99
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MISCELLANEOUS TESTING

Percent Moisture	13.0	Percent			os	06/18/99
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F I N A L R E P O R T

Client Information

Account:	Ecosystems Strategies	Project Name:	MK9690 (06/17/99)
Address:	60 Worrall Ave.	Project Number:	
	Poughkeepsie, NY 12603	Project Manager:	Zywia Wojnar
		Sampler Name:	Jay Kaplan

Sample Information

Lab ID:	91682334-014	Date Sampled:	06/15/99 14:15
Client ID:	HB-8A 0-1'	Date Received:	06/17/99 : 0
Matrix:	Soil	Date Reported:	06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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SAMPLE PREPARATION

Metal Digestion	06/18/99			3051		
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TRACE METALS

Cadmium	20	mg/kg	1	6010B	jc	06/23/99
Chromium	120	mg/kg	2	6010B	jc	06/23/99
Lead	2,150	mg/kg	10	6010B	jc	06/23/99
Mercury	2.8	mg/kg	0.1	7471	ag	06/21/99

PCBS

Extraction Date:	06/18/99				vc	
PCB-1016	See note:	ug/kg	5000	8082	mb	06/22/99

Due to the high concentration of PCB-1242 found in this sample we are unable to determine the presence of PCB-1016.

PCB-1221	ND	ug/kg	5000	8082	mb	06/22/99
PCB-1232	ND	ug/kg	5000	8082	mb	06/22/99
PCB-1242	8,600	ug/kg	5000	8082	mb	06/22/99
PCB-1248	9,300	ug/kg	5000	8082	mb	06/22/99
PCB-1254	ND	ug/kg	5000	8082	mb	06/22/99
PCB-1260	ND	ug/kg	5000	8082	mb	06/22/99

The detection limit reported is based on a X20 dilution of the sample.

SURROGATE STUDIES - PESTICIDES/PCBS

2,4,5,6-Tetrachloro-meta-xylene	88	Percent			mb	06/22/99
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MISCELLANEOUS TESTING

Percent Moisture	10.5	Percent			os	06/18/99
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F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

Sample Information

Lab ID: 91682334-015  
 Client ID: TB  
 Matrix: Water

Date Sampled: / / :  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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VOLATILE ORGANICS

Bromobenzene	ND	ug/l	1	8021B	dg	06/23/99
Bromochloromethane	ND	ug/l	1	8021B	dg	06/23/99
Bromodichloromethane	ND	ug/l	1	8021B	dg	06/23/99
Bromoform	ND	ug/l	1	8021B	dg	06/23/99
Bromomethane	ND	ug/l	1	8021B	dg	06/23/99
Benzene	ND	ug/l	1	8021B	dg	06/23/99
n-Butylbenzene	ND	ug/l	1	8021B	dg	06/23/99
sec-Butylbenzene	ND	ug/l	1	8021B	dg	06/23/99
tert-Butylbenzene	ND	ug/l	1	8021B	dg	06/23/99
Carbon Tetrachloride	ND	ug/l	1	8021B	dg	06/23/99
Chlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
Chloroethane	ND	ug/l	1	8021B	dg	06/23/99
Chloroform	ND	ug/l	1	8021B	dg	06/23/99
Chloromethane	ND	ug/l	1	8021B	dg	06/23/99
2-Chlorotoluene	ND	ug/l	1	8021B	dg	06/23/99
4-Chlorotoluene	ND	ug/l	1	8021B	dg	06/23/99
1,2-Dibromo-3-Chloropropane	ND	ug/l	5	8021B	dg	06/23/99
Dibromochloromethane	ND	ug/l	1	8021B	dg	06/23/99
1,2-Dibromoethane	ND	ug/l	1	8021B	dg	06/23/99
Dibromomethane	ND	ug/l	1	8021B	dg	06/23/99
1,2-Dichlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
1,3-Dichlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
1,4-Dichlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
Dichlorodifluoromethane	ND	ug/l	1	8021B	dg	06/23/99
1,1-Dichloroethane	ND	ug/l	1	8021B	dg	06/23/99
1,2-Dichloroethane	ND	ug/l	1	8021B	dg	06/23/99
cis-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	06/23/99
1,1-Dichloroethene	ND	ug/l	1	8021B	dg	06/23/99



Matrix Analytical, Inc.  
 106 South Street  
 Hopkinton, MA 01748-2295  
 1 (800) 362-8749

F I N A L R E P O R T

Client Information

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

Sample Information

Lab ID: 91682334-015  
 Client ID: TB  
 Matrix: Water

Date Sampled: / / :  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
trans-1,2-Dichloroethene	ND	ug/l	1	8021B	dg	06/23/99
1,2-Dichloropropane	ND	ug/l	1	8021B	dg	06/23/99
1,3-Dichloropropane	ND	ug/l	1	8021B	dg	06/23/99
2,2-Dichloropropane	ND	ug/l	1	8021B	dg	06/23/99
1,1-Dichloropropene	ND	ug/l	1	8021B	dg	06/23/99
cis-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	06/23/99
trans-1,3-Dichloropropene	ND	ug/l	1	8021B	dg	06/23/99
Ethylbenzene	ND	ug/l	1	8021B	dg	06/23/99
Hexachlorobutadiene	ND	ug/l	1	8021B	dg	06/23/99
Isopropylbenzene	ND	ug/l	1	8021B	dg	06/23/99
p-Isopropyltoluene	ND	ug/l	1	8021B	dg	06/23/99
Methylene Chloride	ND	ug/l	4	8021B	dg	06/23/99
MTBE	ND	ug/l	5	8021B	dg	06/23/99
Naphthalene	ND	ug/l	1	8021B	dg	06/23/99
n-Propylbenzene	ND	ug/l	1	8021B	dg	06/23/99
Styrene	ND	ug/l	1	8021B	dg	06/23/99
1,1,1,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	06/23/99
1,1,2,2-Tetrachloroethane	ND	ug/l	1	8021B	dg	06/23/99
Tetrachloroethene	ND	ug/l	1	8021B	dg	06/23/99
Toluene	ND	ug/l	1	8021B	dg	06/23/99
1,2,3-Trichlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
1,2,4-Trichlorobenzene	ND	ug/l	1	8021B	dg	06/23/99
1,1,1-Trichloroethane	ND	ug/l	1	8021B	dg	06/23/99
1,1,2-Trichloroethane	ND	ug/l	1	8021B	dg	06/23/99
Trichloroethene	ND	ug/l	1	8021B	dg	06/23/99
Trichlorofluoromethane	ND	ug/l	1	8021B	dg	06/23/99
1,2,3-Trichloropropane	ND	ug/l	1	8021B	dg	06/23/99
1,2,4-Trimethylbenzene	ND	ug/l	1	8021B	dg	06/23/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-015  
 Client ID: TB  
 Matrix: Water

Date Sampled: / / :  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
<b><u>VOLATILE ORGANICS</u></b>						
1,3,5-Trimethylbenzene	ND	ug/l	1	8021B	dg	06/23/99
Vinyl Chloride	ND	ug/l	1	8021B	dg	06/23/99
o-Xylene	ND	ug/l	1	8021B	dg	06/23/99
p/m-Xylene	ND	ug/l	1	8021B	dg	06/23/99
<b><u>SURROGATE STUDIES - VOLATILES</u></b>						
4-Bromochlorobenzene	99	Percent			dg	06/23/99
1,4-Dichlorobutane	79	Percent			dg	06/23/99



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name: Jay Kaplan

**Sample Information**

Lab ID: 91682334-016  
 Client ID: HB-2A  
 Matrix: Water  
 Comment: Dissolved Metals

Date Sampled: 06/15/99 11:45  
 Date Received: 06/17/99 : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**SAMPLE PREPARATION**

Filter Date	06/18/99					
Mercury Digestion	06/18/99			7470/7471		

**TRACE METALS**

Cadmium	ND	mg/l	0.001	213.2	ag	06/18/99
Chromium	ND	mg/l	0.02	200.7	ja	06/18/99
Lead	ND	mg/l	0.001	239.2	ag	06/18/99
Mercury	ND	mg/l	0.001	245.1	ag	06/18/99





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 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name:

**Sample Information**

Lab ID: 91682334-017  
 Client ID: QC-Report - Water  
 Matrix: Water

Date Sampled: / / :  
 Date Received: / / : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**DUPLICATE STUDIES**

Cadmium ID:	2334-001					
Cadmium Variance:	5	Percent				
Chromium ID:	2334-001					
Chromium Variance:	0	Percent				
Lead ID:	2334-001					
Lead Variance:	0	Percent				
Mercury ID:	2334-001					
Mercury Variance:	0	Percent				

**MATRIX SPIKE STUDIES - METALS**

Cadmium ID:	2334-001					
Cadmium Recovery:	114	Percent				
Chromium ID:	2334-001					
Chromium Recovery:	120	Percent				
Lead ID:	2334-001					
Lead Recovery:			Unable to report spike recovery due to the high level in the sample.			
Mercury ID:	2334-001					
Mercury Recovery:	99	Percent				

**METHOD BLANKS**

Method Blank - Pesticide/PCB	ND	ug/l		8080		
Method Blank - Volatile	ND	ug/l		8021B		

**MATRIX SPIKE STUDIES - VOLATILES**

Sample ID:	2334-001					
Benzene	114	Percent				



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Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name:

**Sample Information**

Lab ID: 91682334-017  
 Client ID: QC-Report - Water  
 Matrix: Water

Date Sampled: / / :  
 Date Received: / / : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**MATRIX SPIKE STUDIES - VOLATILES**

Chlorobenzene	108	Percent				
1,1-Dichloroethene	61	Percent				
Toluene	118	Percent				
Trichloroethene	58	Percent				

**MATRIX SPIKE STUDIES - PCBs**

Sample ID:	2334-001					
PCB-1221	93	Percent				

**METHOD SUMMARIES**

Metal analysis is performed using Graphite Furnace/Atomic Absorption or ICP Spectroscopy. Mercury is determined by Cold Vapor method.

Pesticide/PCB analysis is performed according to EPA 600 and SW846 protocol. Equipment includes H/P 5890 series II GC with H/P 7673 autosampler. GC is equipped with dual columns and dual ECD detectors for compound confirmation. Data reduction is performed using an H/P chemstation.

Volatile organic analysis is performed using Hewlett Packard 5890 GC's and 5970 and 5972 MSD's when requested. Chromatography incorporates megabore columns. Procedures follow EPA and SW846 guidelines for all analysis.

**METHOD REFERENCES**

1. Test Methods For Evaluating Solid Waste: Physical Chemical Methods. EPA SW 846. Rev. December 1996.
2. Methods For Chemical Analysis of Water and Wastes. EPA 600/4-79-200. Revised March 1983.
3. Standard Methods For Examination of Water and Wastewater. APHA-AWWA-WACF., 18th Edition. 1992.
4. EPA Methods For The Determination of Organic Compounds in Drinking Water.



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**F I N A L   R E P O R T**

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name:

**Sample Information**

Lab ID: 91682334-019  
 Client ID: QC-Report - Soil  
 Matrix: Soil

Date Sampled: / / :  
 Date Received: / / : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**DUPLICATE STUDIES**

Cadmium ID:	3235-001					
Cadmium Variance:	1	Percent				
Chromium ID:	3235-001					
Chromium Variance:	0	Percent				
Lead ID:	2325-001					
Lead Variance:	2	Percent				
Mercury ID:	2334-003					
Mercury Variance:	0	Percent				

**MATRIX SPIKE STUDIES - METALS**

Cadmium ID:	3235-001					
Cadmium Recovery:	91	Percent				
Chromium ID:	3235-001					
Chromium Recovery:	90	Percent				
Lead ID:	2325-001					
Lead Recovery:	92	Percent				
Mercury ID:	2334-003					
Mercury Recovery:	109	Percent				

**METHOD BLANKS**

Method Blank - Pesticide/PCB	ND	ug/l		8080		
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**MATRIX SPIKE STUDIES - PCBs**

Sample ID:	PCBLCS9169					
PCB-1221	96	Percent				

**METHOD SUMMARIES**

Metal analysis is performed using Graphite Furnace/Atomic Absorption or ICP Spectroscopy. Mercury is determined by Cold Vapor method.



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F I N A L R E P O R T

**Client Information**

Account: Ecosystems Strategies  
 Address: 60 Worrall Ave.  
 Poughkeepsie, NY 12603

Project Name: MK9690 (06/17/99)  
 Project Number:  
 Project Manager: Zywia Wojnar  
 Sampler Name:

**Sample Information**

Lab ID: 91682334-019  
 Client ID: QC-Report - Soil  
 Matrix: Soil

Date Sampled: / / :  
 Date Received: / / : 0  
 Date Reported: 06/23/99

Analytical Parameter	Result	Unit	Detection Limit	Method No.	Analyst	Date Analyzed
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**METHOD SUMMARIES**

NOTE: Analytical results have been corrected and are reported on a dry weight basis. If required, detection limits can also be corrected to dry weight using the percent moisture data included in this report.

Pesticide/PCB analysis is performed according to EPA 600 and SW846 protocol. Equipment includes H/P 5890 series II GC with H/P 7673 autosampler. GC is equipped with dual columns and dual ECD detectors for compound confirmation. Data reduction is performed using an H/P chemstation.

**METHOD REFERENCES**

1. Test Methods For Evaluating Solid Waste: Physical Chemical Methods. EPA SW 846. Rev. December 1996.
2. Methods For Chemical Analysis of Water and Wastes. EPA 600/4-79-200. Revised March 1983.
3. Standard Methods For Examination of Water and Wastewater. APHA-AWWA-WACF., 18th Edition. 1992.
4. EPA Methods For The Determination of Organic Compounds in Drinking Water.

Project Information		Client Information		Form No.	Page
Project Name:	MK 9690	Send Reports to:	Annette Ambrosi		2 of 2
Project No.:		Company:	Ecosystems Strategies	<b>FILTRATION (0.45 um) &amp; PRESERVATION INFORMATION</b>  <b>FILTRATION</b> <b>PRESERVATION</b> <input type="checkbox"/> DONE <input type="checkbox"/> DONE <input type="checkbox"/> NOT NEEDED <input type="checkbox"/> NOT NEEDED <input type="checkbox"/> LAB TO DO* <input type="checkbox"/> LAB TO DO*  <i>*Please specify which samples need to be filtered and/or preserved by the lab.</i>	
Project Location:		Address:	60 Worrall Avenue		
Project Manager:	Zyglia Wojnar		Poughkeepsie, NY 12603		
Sampler(s):	Jay Kaplan	Phone:	(914) 452-1658		
		Fax:	(914) 485-7083	<b>IF SPECIAL OR NON-ROUTINE DETECTION LIMITS ARE REQUIRED, PLEASE CALL THE LAB.</b>	
PO #:	Lab Quote #:	Account # (Lab Use Only)			
Turn-Around:	<input type="checkbox"/> Standard 10 business days <input checked="" type="checkbox"/> Other (specify):	Final Report: <input type="checkbox"/> Mail <input type="checkbox"/> Overnight <input type="checkbox"/> Fax <input type="checkbox"/> EDT Diskette (if checked, call for pricing)			
Note: Less than 10 days must be pre-approved!		Disk format:			

Total Lead: Mercury, Chromium, Cadmium  
 Dissolved  
 8021  
 PCBs

Lab ID (Lab Use Only)	Client/Field Sample ID	Collection		Sample Source / Matrix	Analyses (write test methods above & "x"s below for each sample to be tested)							Sample Remarks (below)	TOTAL # OF BOTTLES
		Date	Time										
	HB-7A 1-2'	6/15/99	1:55		X		X						1
	HB-8A 0-1'	✓	2:15		X		X						1
	TB												



**Matrix Analytical, Inc.**  
 106 South Street  
 Hopkinton, MA, 01748  
 Phone: (800) 362-8749  
 Fax: (508) 435-2497

NOTES: 4 day approved + Pricing Approved (Project Specific)  
 4/11/99

### CHAIN-OF-CUSTODY RECORD

Relinquished By:	Date/Time	Received By:	Date/Time	Condition of Samples Upon Arrival
Annette Ambrosi	6/16/99	Jude	6/16/99	<input type="checkbox"/> Okay <input type="checkbox"/> Problem(s)
		PC	6/17/99	<b>Distribution of Copies</b> White-Lab   Yellow-Report   Pink-Client

Project Information		Client Information	
Project Name:	MK9690	Send Reports to:	Annette Antonucci
Project No.:		Company:	Ecosystems Strategies
Project Location:		Address:	60 Marcell Avenue Patchogue, NY 12603
Project Manager:	Zyvia Wójnar	Phone:	(914) 452-1658
Sampler(s):	Jay Kaplan	Fax:	(914) 485-7083
PO #:	Lab Quote #:	Account # (Lab Use Only)	
Turn-Around:	<input type="checkbox"/> Standard 10 business days <input checked="" type="checkbox"/> Other (specify): 4 day	Final Report:	<input type="checkbox"/> Mail <input type="checkbox"/> Overnight <input type="checkbox"/> Fax <input type="checkbox"/> EDT Diskette (If checked, call for pricing) Disk format:

Total Lead Mercury, Chromium, Cadmium  
 Dissolved  
 8021  
 PCBs

Form No.	Page
	1 of 2
<b>FILTRATION (0.45 um) &amp; PRESERVATION INFORMATION</b>	
<b>FILTRATION</b>	<b>PRESERVATION</b>
<input type="checkbox"/> DONE	<input type="checkbox"/> DONE
<input type="checkbox"/> NOT NEEDED	<input type="checkbox"/> NOT NEEDED
<input type="checkbox"/> LAB TO DO*	<input type="checkbox"/> LAB TO DO*
*Please specify which samples need to be filtered and/or preserved by the lab.	
<b>IF SPECIAL OR NON-ROUTINE DETECTION LIMITS ARE REQUIRED, PLEASE CALL THE LAB.</b>	

Lab ID (Lab Use Only)	Client/Field Sample ID	Collection		Sample Source / Matrix	Analyses (write test methods above & "x's" below for each sample to be tested)	Sample Remarks (below)	TOTAL # OF BOTTLES
		Date	Time				
	HB-2A	6/15/99	11:45		X X X X	4 VOC vials 3 Amber	7
	HB-1A 0-2'		11:00		X X X X		1
	HB-1A 2-3'		11:10		X X X X		1
	HB-2A 0-2'		11:20		X X X X		2
	HB-2A 2-4'		11:25		X X X X		2
	HB-2A 4-6'		11:35		X X X X		2
	HB-3A 0-6"		12:00		X X X X		1
	HB-4A 0-6"		12:15		X X X X		1
	HB-5A 0-12"		12:30		X X X X		1
	HB-6A 0-12"		1:15		X X X X		1
	HB-6A 1-2'		1:25		X X X X		1
	HB-7A 0-1'		1:45		X X X X		1



**Matrix Analytical, Inc.**  
 106 South Street  
 Hopkinton, MA 01748  
 Phone: (800) 362-8749  
 Fax: (508) 435-2497

NOTES: 4 Day Approved + Pricing Approved (Project Specific)

40 FC

**CHAIN-OF-CUSTODY RECORD**

Relinquished By:	Date/Time	Received By:	Date/Time	Condition of Samples Upon Arrival
Annette Antonucci	6/16 200	J. Pule	6/16 200	<input type="checkbox"/> Okay <input type="checkbox"/> Problem(s)
		Fz	6/17/99	<b>Distribution of Copies</b> White-Lab Yellow-Report Pink-Client

