

**NORTH DRAINAGE
CHANNEL SITE CHARACTERIZATION
REPORT**

**APPENDIX 3
Fixed-Base Laboratory
Data Sheets**

Volume III

&

APPENDIX 4

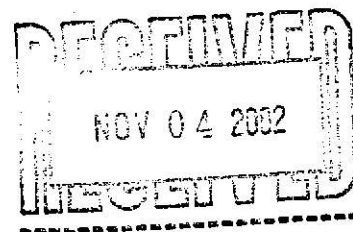
**Kuhlman Electric Corporation
Crystal Springs, Mississippi**

Prepared for

BorgWarner Inc.

January 2003

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

October 30, 2002

Report Number: G442-148

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: CSPGP19-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 54631
Lab Project ID: G442-148

Date Collected: 10/10/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 80.9

Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	109	109

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: LN

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: CSPGP6-004
Client Project ID: Kuhlman Electric
Lab Sample ID: 54632
Lab Project ID: G442-148

Matrix: Soil

%SOLIDS: 91.5

Date Collected: 10/11/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	123	123

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-4753
Client Project ID: Kuhlman Electric
Lab Sample ID: 54633
Lab Project ID: G442-148

Matrix: Soil %SOLIDS: 89.5

Date Collected: 10/11/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	111	111

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: CSPGP32-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 54634
Lab Project ID: G442-148

Matrix: Soil

%SOLIDS: 84.1

Date Collected: 10/12/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	123	123

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-4762
Client Project ID: Kuhlman Electric
Lab Sample ID: 54635
Lab Project ID: G442-148

Date Collected: 10/12/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 83.7

Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	98	98

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: CSPGP34-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 54636
Lab Project ID: G442-148

Date Collected: 10/12/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 79.1

Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	160
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	111	111

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/21/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	101	101

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	1053	105%	1197	120%	12.8

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/l

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	413	188	438

Reviewed By: 

Page 1 of 1

Client: MACTW & SULLIVAN Project ID: KUHLMAN ELECTRIC Date: 10 OCT 02
 Address: _____ Contact: ROBERT MACTW Turnaround: STD
 Address: BLACK-MOUNTAIN, NC Phone: _____ Job Number: _____
 Quote #: _____ Fax: _____ P.O. Number: _____

Client: MAC TWIN S&S Project ID: KUHLMAN ELECTRIC Date: 10 OCT 02

Address: _____
Contact: ROBERT MARTIN
Turnaround: STD

Address: BLACK MOUNTAIN, NC Phone: _____ Job Number: _____

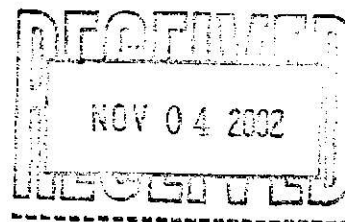
Quote #: _____
Fax: _____
P.O. Number: _____

Report To: SAM8

Invoice To: SAME

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

October 30, 2002

Report Number: G442-149

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

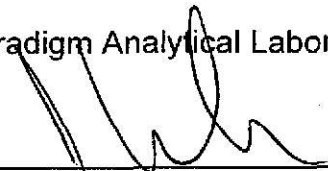
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-4729
Client Project ID: Kuhlman Electric
Lab Sample ID: 54637
Lab Project ID: G442-149

Date Collected: 10/8/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 88.1

Dilution: 1
Date Extracted: 10/20/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	78	78

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: RFP-GP-13-004
Client Project ID: Kuhlman Electric
Lab Sample ID: 54638
Lab Project ID: G442-149

Date Collected: 10/8/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 79.0

Dilution: 1
Date Extracted: 10/20/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	89	89

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: RFP-GP-33-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 54639
Lab Project ID: G442-149

Date Collected: 10/9/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 80.2

Dilution: 1
Date Extracted: 10/20/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	540
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	105	105

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Duplicate-4736
Client Project ID: Kuhlman Electric
Lab Sample ID: 54640
Lab Project ID: G442-149

Date Collected: 10/9/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 79.5

Dilution: 1
Date Extracted: 10/20/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	1700
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	105	105

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: RFP-GP-30-005
Client Project ID: Kuhlman Electric
Lab Sample ID: 54641
Lab Project ID: G442-149

Date Collected: 10/10/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 83.5

Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	1600
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	100	100

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/20/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/20/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	97	97

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	1053	105%	1197	120%	12.8

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	413	188	438

Reviewed By: 

Client: MARTIN P. SAGAL

Project ID: KULMAN EIGHT.

Date: 80602

Report To: SAMB

address:

Contact: Robert Martin

Turnaround: 350

address: BLACK MOUNTAIN, NC

Phone: _____

Job Number:

'vote #':

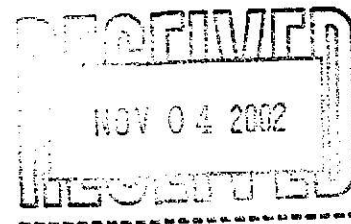
Fax: _____

P.O. Number:

Invoice To: **SAM P**

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

October 30, 2002

Report Number: G442-150

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

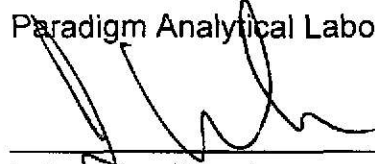
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If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: HPGP8002
Client Project ID: Kuhlman Electric
Lab Sample ID: 54642
Lab Project ID: G442-150

Date Collected: 10/10/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 82.8

Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	90	90

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Duplicate-4744
Client Project ID: Kuhlman Electric
Lab Sample ID: 54643
Lab Project ID: G442-150

Date Collected: 10/10/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 83.1

Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	91	91

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/21/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/21/02


Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	101	101

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	1053	105%	1197	120%	12.8

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: 

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	413	188	438

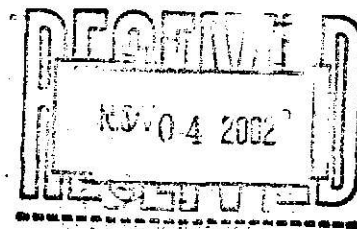
Reviewed By: 

Quote #: _____
Fax: _____
P.O. Number: _____

Invoice To: SAM B

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

October 30, 2002

Report Number: G442-151

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

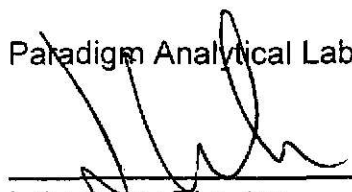
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: WRP4-004
Client Project ID: Kuhlman Electric
Lab Sample ID: 54644
Lab Project ID: G442-151

Date Collected: 10/10/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 81.4

Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	101	101

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: WRPGP18-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 54645
Lab Project ID: G442-151

Date Collected: 10/12/02
Date Received: 10/15/02
Date Analyzed: 10/25/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 81.6

Dilution: 20
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	2400	BQL
Aroclor-1221	2400	BQL
Aroclor-1232	2400	BQL
Aroclor-1242	2400	BQL
Aroclor-1248	2400	BQL
Aroclor-1254	2400	BQL
Aroclor-1260	2400	BQL
Aroclor-1262	2400	36000 BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/21/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	101	101

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	1053	105%	1197	120%	12.8

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1:0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	413	188	438

Reviewed By: 

Chain-of Custody Record & Analytical Request

#COC

10

Page 7 of 7

Client: MARTIN B. L. 662 Project ID: KUNIMAN ELECTRIC

Date: 10 OCT 02

Report To: SAM 2

Address: _____
Contact: Robert Martin

Turnaround: 025

address: BLACK MOUNTAIN, NC

Job Number:

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

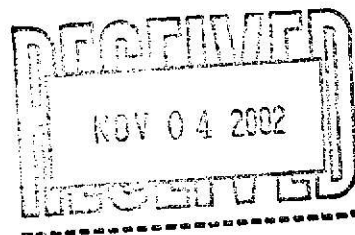
quote #: _____
Tax: _____

P.O. Number:

Invoice To: **SAME**

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

October 30, 2002

Report Number: G442-152

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

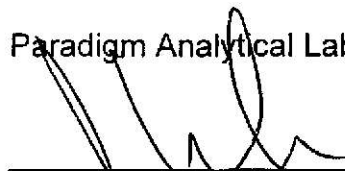
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: CNPGP-52-004
Client Project ID: Kuhlman Electric
Lab Sample ID: 54646
Lab Project ID: G442-152

Date Collected: 10/9/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 84.0

Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	105	105

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/21/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	101	101

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	1053	105%	1197	120%	12.8

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: 

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	413	188	438

Reviewed By: 

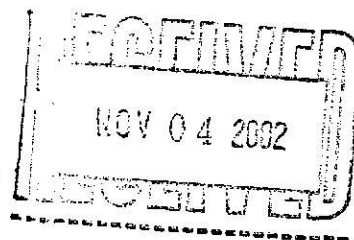
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of-Custody Record & Analytical Request

Client: MACTINP SLA6EL Project ID: KUMMAN ELECTRIC Date: 9 OCT 02 Report To: SAM B
 Address: _____ Contact: ROBERT MACHIN Turnaround: STD
 Address: BLACK MOUNTAIN, NC Phone: _____ Job Number: _____
 Note #: _____ Fax: _____ P.O. Number: _____ Invoice To: SAM B

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

October 30, 2002

Report Number: G442-153

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

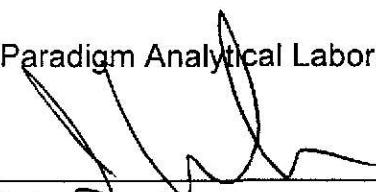
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: PWPGP47-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 54647
Lab Project ID: G442-153

Date Collected: 10/12/02
Date Received: 10/15/02
Date Analyzed: 10/24/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 71.7

Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	140	BQL
Aroclor-1221	140	BQL
Aroclor-1232	140	BQL
Aroclor-1242	140	BQL
Aroclor-1248	140	BQL
Aroclor-1254	140	BQL
Aroclor-1260	140	BQL
Aroclor-1262	140	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	96	96

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/21/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	101	101

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	1053	105%	1197	120%	12.8

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	413	188	438

Reviewed By: 

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of-Custody Record & Analytical Request

COC# 30252

Page 7 of 7

Client: MARTIN B SLABOL Project ID: KUMMAN ELECTRA Date: 12 OCT 02 Report To: SAMOS

Address:

Contact: Robert MacLean

Date: 1/20/02

Turnaround: \$50

Report To:

Address: BLACK MOUNTAIN, INC

Phone:

Job Number:

note #:

Fax:

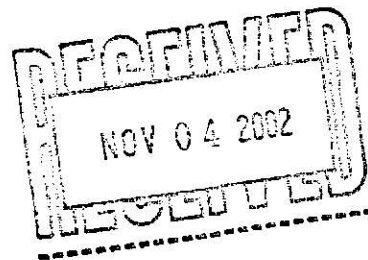
P.O. Number:

Invoice To: SAMO

[illegible]

QUESTION

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

October 30, 2002

Report Number: G442-154

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: HGP-GP16-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 54648
Lab Project ID: G442-154

Date Collected: 10/12/02
Date Received: 10/15/02
Date Analyzed: 10/25/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 86.9

Dilution: 10
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	1100	BQL
Aroclor-1221	1100	BQL
Aroclor-1232	1100	BQL
Aroclor-1242	1100	BQL
Aroclor-1248	1100	BQL
Aroclor-1254	1100	BQL
Aroclor-1260	1100	10000
Aroclor-1262	1100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/21/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	101	101

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	1053	105%	1197	120%	12.8

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/l

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 17
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/24/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	413	188	438

Reviewed By: 

Client: MARTIN P SLA632

Project ID: KUKK-NAN EUSCT.

Date: 12 OCT 62

Report To: SANAL

Address: _____

Contact: ROBERT MARTIN

Turnaround: 550

Address: Black Mountain, NC

Phone: _____**Job Number:**

)note #: _____

Fax: _____

P.O. Number:

Preservatives

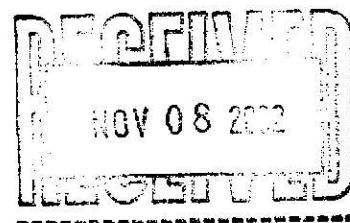
Ans

Comments

[illegible]

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 5, 2002

Report Number: G442-161

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.

A handwritten signature in black ink, appearing to read "J. Patrick Weaver", written over a horizontal line.

Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: CNP-GP255-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55139
Lab Project ID: G442-161

Date Collected: 10/15/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 76.3

Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	340
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	84	84

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/23/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	99	99

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	338	1233	90%	1187	85%	5.3

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/l

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	188	438

Reviewed By: W

#000

Chain-of-Custody Record & Analytical Request

Page 1 of 1

Project ID: KUHLMAU ELECTRIC-

Date:

Report To:

Contact: Robert Miller

Q15

Phone: _____

Job Number:

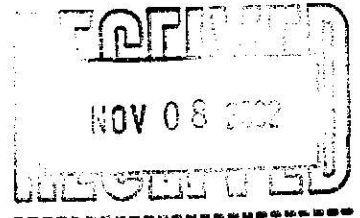
Fax: _____

P.O. Number:

Invoice To:[illegible]

**SEE REVERSE FOR
TERMS AND CONDITIONS**

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 5, 2002

Report Number: G442-162

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

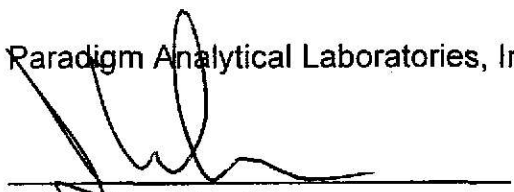
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KTP-GP2-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55140
Lab Project ID: G442-162

Date Collected: 10/15/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 83.6

Dilution: 20
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	2100	BQL
Aroclor-1221	2100	BQL
Aroclor-1232	2100	BQL
Aroclor-1242	2100	BQL
Aroclor-1248	2100	BQL
Aroclor-1254	2100	BQL
Aroclor-1260	2100	26000
Aroclor-1262	2100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/23/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	99	99

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	338	1233	90%	1187	85%	5.3

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: 

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	188	438

Reviewed By: 

Chain-of-Custody Record & Analytical Request

Phone: (910)-350-1903 FAX: (910)-350-1557

COC# 315738

Page 1 of 1

Client: MARKETIN & SERVICE Project ID: KUHLMANN ELECTRIC

Project ID: KUHLMAN ELECTRIC

Date:

Report To: SmaC

Address:

Contact: Robert Martin

Turnaround: 57D

Address:

Phone: _____**Job Number:**

Quote #:

Fax: _____

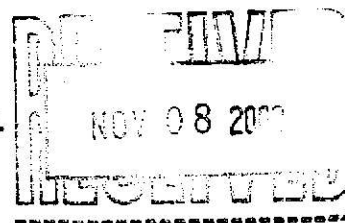
P.O. Number:

Invoice To: *Smith*

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 5, 2002

Report Number: G442-163

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.

A handwritten signature in black ink, appearing to read "J. Patrick Weaver", written over a horizontal line.

Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: FWP-GP48-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55141
Lab Project ID: G442-163

Date Collected: 10/15/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 89.0

Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	2000
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	69	69

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/23/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	99	99

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	338	1233	90%	1187	85%	5.3

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: *CLP*

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC

Date Analyzed: 10/29/02

Client Project ID:

Analyzed By: CLP

Lab Sample ID: SLCS 18

Dilution: 1.0

Lab Project ID:

Matrix: Soil

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	188	438

Reviewed By: 

Phone: (910)-350-1903 FAX: (910)-350-1557

COC# 30239

Page 1 of 1

Address: _____ Contact: ROBERT MARRAS

Quote #: _____
Fax: _____

Turnaround: STD

Job Number: _____

P.O. Number: _____

Report To: SAME

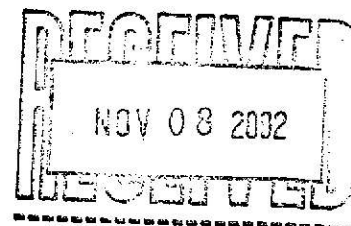
Invoice To: SMILE

[illegible]

OPINION

Sent to
Tom Lupo
Nov 2002

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 5, 2002

Report Number: G442-164

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.

A handwritten signature in black ink, appearing to read "J. Patrick Weaver", written over a horizontal line.

Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: PWP-GP48-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55142
Lab Project ID: G442-164

Date Collected: 10/15/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 80.4

Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	440
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	78	78

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/23/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	99	99

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	338	1233	90%	1187	85%	5.3

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L.

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	188	438

Reviewed By: 

COC#

2627 Northchase Parkway SE, Wilmington, NC 28405

Chain-of-Custody Record & Analytical Request

Phone: (910)-350-1903 FAX: (910)-350-1557

Page 1 of 1

Client: INFORMATION SLUGS

Project ID: K44444444 ELECTRIC

Date: _____

Report To: State

Address: _____

Contact: Robert Vint

Turnaround: 575

Address: BLACK MOUNTAIN NC

Phone: _____

Job Number: _____

Quote #: _____

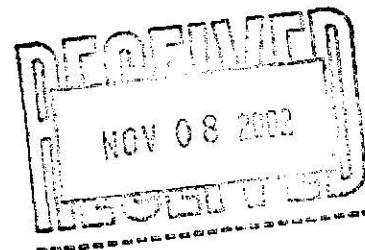
Fax: _____

P.O. Number: _____

Invoice To:

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 5, 2002

Report Number: G442-165

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

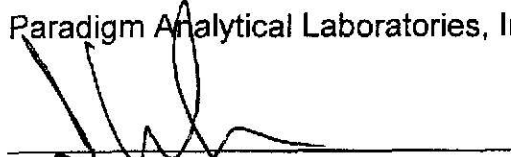
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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: HP-GP13-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55143
Lab Project ID: G442-165
Matrix: Soil

%SOLIDS: 87.7

Date Collected: 10/15/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	96	BQL
Aroclor-1221	96	BQL
Aroclor-1232	96	BQL
Aroclor-1242	96	BQL
Aroclor-1248	96	BQL
Aroclor-1254	96	BQL
Aroclor-1260	96	760
Aroclor-1262	96	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	82	82

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/23/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	99	99

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	338	1233	90%	1187	85%	5.3

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	188	438

Reviewed By: 

2003

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Page 1 of 1

Client: MAKTAU + SIA

Project ID: KUHLMAN ELECTRIC

Report To: STMC

Address:

Contact: Robert Martin

Turnaround: STD

Address: Black Mountain NC

Job Number:

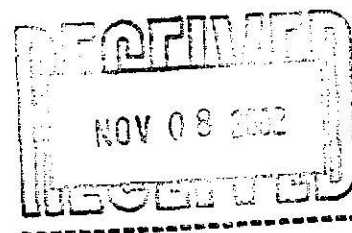
Quote #:

P.O. Number:

Invoice To: SAME

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 5, 2002

Report Number: G442-160

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

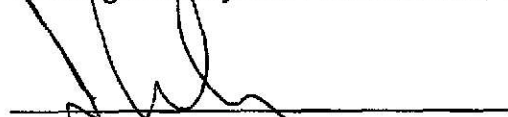
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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	188	438

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	338	1233	90%	1187	85%	5.3

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/23/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	99	99

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: HGP-GP44-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55138
Lab Project ID: G442-160

Date Collected: 10/16/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 95.9

Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	98	BQL
Aroclor-1221	98	BQL
Aroclor-1232	98	BQL
Aroclor-1242	98	BQL
Aroclor-1248	98	BQL
Aroclor-1254	98	BQL
Aroclor-1260	98	160
Aroclor-1262	98	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	77	77

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

#000

Chain-of-Custody Record & Analytical Request

Page 1 of 1

Project ID: 16442AAU Electric

Report To: SAFAR

Contact: Robert Maffett

Turnaround: 515

Phone: _____

Job Number:**Fax:**

P.O. Number:

Invoice To: **Case**

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: HGP-GP44-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55138
Lab Project ID: G442-160

Date Collected: 10/16/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 95.9

Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	98	BQL
Aroclor-1221	98	BQL
Aroclor-1232	98	BQL
Aroclor-1242	98	BQL
Aroclor-1248	98	BQL
Aroclor-1254	98	BQL
Aroclor-1260	98	160
Aroclor-1262	98	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	77	77

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

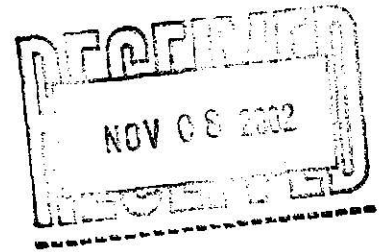
Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 5, 2002

Report Number: G442-157

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.

Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: SMP-GP34-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55130
Lab Project ID: G442-157

Date Collected: 10/16/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 81.4

Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	410
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	88	88

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: SMP-GP41-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55131
Lab Project ID: G442-157

Date Collected: 10/17/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 79.9

Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	930
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	86	86

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: *lw*

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/23/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	99	99

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	338	1233	90%	1187	85%	5.3

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L.

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (CCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	188	438

Reviewed By: 

#000

Chain-of Custody Record & Analytical Request

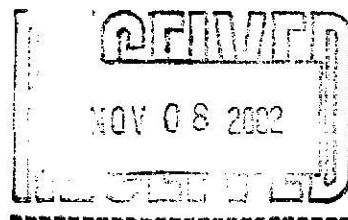
Page 1 of 1

Report To: SAME

Comments:

Comments:

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 5, 2002

Report Number: G442-158

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.

Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: CSP-GP36-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55132
Lab Project ID: G442-158

Date Collected: 10/16/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 83.5

Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	1700
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	66	66

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: CSP-GP42-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55133
Lab Project ID: G442-158

Date Collected: 10/17/02
Date Received: 10/22/02
Date Analyzed: 10/30/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 84.4

Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	1400
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	76	76

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/23/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/23/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	99	99

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	338	1233	90%	1187	85%	5.3

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/l

Reviewed By: 

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 18
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	188	438

Reviewed By: 

#000

Chain-of-Custody Record & Analytical Request

Phone: (910)-350-1903 FAX: (910)-350-1557

Project ID: K06H04JL C-LETN1C

Date:

Date: _____

Contact:

10152400 5235007

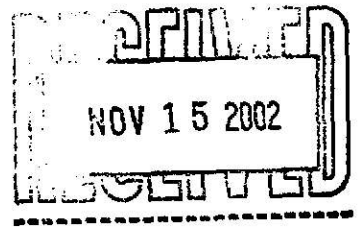
Turnaround:

Phone:**Job Number:****Fax:**

P.O. Number:

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 12, 2002

Report Number: G442-166

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: SMP-GP41-002

Client Project ID: Kuhlman Electric

Lab Sample ID: 55505

Lab Project ID: G442-166

Matrix: Soil

%SOLIDS: 86.7

Date Collected: 10/23/02

Date Received: 10/26/02

Date Analyzed: 11/5/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	81	81

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: SMP-GP37-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 55506
Lab Project ID: G442-166

Date Collected: 10/24/02
Date Received: 10/26/02
Date Analyzed: 11/6/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 82.9

Dilution: 10
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	1100	BQL
Aroclor-1221	1100	BQL
Aroclor-1232	1100	BQL
Aroclor-1242	1100	BQL
Aroclor-1248	1100	BQL
Aroclor-1254	1100	BQL
Aroclor-1260	1100	18000
Aroclor-1262	1100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: SMP-GP47-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55507
Lab Project ID: G442-166

Date Collected: 10/25/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/29/02

Matrix: Soil %SOLIDS: 87.0

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	140
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	80	80

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: Method Blank

Client Project ID:

Lab Sample ID: Blk 10/29/02

Lab Project ID:

Matrix:

Date Collected:

Date Received:

Date Analyzed: 11/5/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC

Date Analyzed: 11/5/02

Client Project ID:

Analyzed By: CLP

Lab Sample ID: S-MS.MSD-19

Dilution: 1.0

Lab Project ID:

Matrix: Soil

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	924	92%	1075	108%	15.1

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	355	219	406

Reviewed By: 

COC#

Chain-of-Custody Record & Analytical Request

Page 1 of 1

Report To:

Turnaround: STB

Job Number:

P.O. Number:

Analyses

Comments:
Please specify any special reporting requirements

1

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6442-166

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Received By _____

Temperature

State Certification Requested

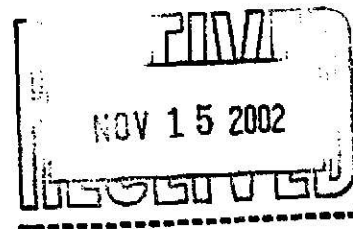
Adrian

205-1

NC _____ SC _____ Other _____

SEE REVERSE FOR
TERMS AND CONDITIONS

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 12, 2002

Report Number: G442-167

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

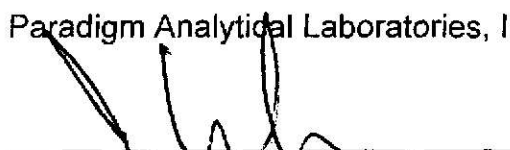
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: LPP-GP63-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 55508
Lab Project ID: G442-167

Date Collected: 10/21/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/29/02

Matrix: Soil %SOLIDS: 88.7

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	99	BQL
Aroclor-1221	99	BQL
Aroclor-1232	99	BQL
Aroclor-1242	99	BQL
Aroclor-1248	99	BQL
Aroclor-1254	99	BQL
Aroclor-1260	99	270
Aroclor-1262	99	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	72	72

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: LPP-GP39-004
Client Project ID: Kuhlman Electric
Lab Sample ID: 55509
Lab Project ID: G442-167

Date Collected: 10/22/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 87.7

Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	86	86

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: LPP-GP37-005
Client Project ID: Kuhlman Electric
Lab Sample ID: 55510
Lab Project ID: G442-167

Date Collected: 10/24/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 83.5

Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	1600
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	86	86

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/29/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	924	92%	1075	108%	15.1

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in µg/L

Reviewed By: 


N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	355	219	406

Reviewed By: 

Chain-of-Custody Record & Analytical Request

Phone: (910)-350-1903 FAX: (910)-350-1557

#000

Page 1 of 1

Client: PARITIN + SAGE

Project ID: KATH1908W EU2021C

Date: 10/25/02

Report To: State

Address:

Contact: Robert MACTIA

Turnaround: 570

Address: BACKWATER NC

Phone: _____

Job Number:

Quote #:

Fax: _____

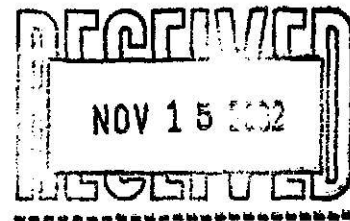
P.O. Number:

Invoice To: *Supra*

[illegible]

**SEE REVERSE FOR
TERMS AND CONDITIONS**

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 12, 2002

Report Number: G442-168

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.

A handwritten signature in black ink, appearing to read "J. Patrick Weaver", written over a horizontal line.

Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-4885
Client Project ID: Kuhlman Electric
Lab Sample ID: 55511
Lab Project ID: G442-168

Date Collected: 10/21/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 87.3

Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	260
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	67	67

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: Duplicate-4904
Client Project ID: Kuhlman Electric
Lab Sample ID: 55512
Lab Project ID: G442-168

Date Collected: 10/22/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 88.2

Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	96	BQL
Aroclor-1221	96	BQL
Aroclor-1232	96	BQL
Aroclor-1242	96	BQL
Aroclor-1248	96	BQL
Aroclor-1254	96	BQL
Aroclor-1260	96	BQL
Aroclor-1262	96	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	92	92

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-4909
Client Project ID: Kuhlman Electric
Lab Sample ID: 55513
Lab Project ID: G442-168

Date Collected: 10/23/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 89.4

Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	98	BQL
Aroclor-1221	98	BQL
Aroclor-1232	98	BQL
Aroclor-1242	98	BQL
Aroclor-1248	98	BQL
Aroclor-1254	98	BQL
Aroclor-1260	98	BQL
Aroclor-1262	98	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	84	84

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-4914
Client Project ID: Kuhlman Electric
Lab Sample ID: 55514
Lab Project ID: G442-168

Date Collected: 10/24/02
Date Received: 10/26/02
Date Analyzed: 11/6/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 85.4

Dilution: 10
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	1000	BQL
Aroclor-1221	1000	BQL
Aroclor-1232	1000	BQL
Aroclor-1242	1000	BQL
Aroclor-1248	1000	BQL
Aroclor-1254	1000	BQL
Aroclor-1260	1000	14000
Aroclor-1262	1000	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: Duplicate-4925
Client Project ID: Kuhlman Electric
Lab Sample ID: 55515
Lab Project ID: G442-168

Date Collected: 10/25/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 90.8

Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	97	BQL
Aroclor-1221	97	BQL
Aroclor-1232	97	BQL
Aroclor-1242	97	BQL
Aroclor-1248	97	BQL
Aroclor-1254	97	BQL
Aroclor-1260	97	150
Aroclor-1262	97	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	83	83

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/29/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	924	92%	1075	108%	15.1

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L.

Reviewed By: 

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	355	219	406

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway SE, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC#

Page 1 of 1

Client: MARTINUS & SONS, LLC Project ID: KUMHUNT ELECTRIC Date: 10/25/02 Report To: STATE

Address: BLAKE MOUNTAIN NC Contact: ROBERT MONTGOMERY Turnaround: STD

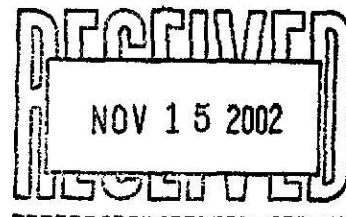
Address: BLAKE MOUNTAIN NC Phone: Job Number:

Quote #: Fax: P.O. Number: Invoice To: STATE

Sample ID	Date	Time	Matrix	Preservatives			Analyses					Depth	Mobile LAS #	Comments: Please specify any special reporting requirements		
				NA	X											
Duplicate	210002	—	S		X								4885	14 days extraction - 40 days analysis		
Duplicate	220002	—	S		X								4904			
Duplicate	230002	—	S		X								4909			
Duplicate	240002	—	S		X								4914			
Duplicate	250002	—	S		X								4925			
													6442-168	Null well thurs - 14 days extraction		
Relinquished By	<u>Charles Fed</u>	<u>10/25/02</u>	<u>1400</u>	Received By			<u>William</u>	Date	<u>10.26.02</u>	Time	<u>10:25</u>	Temperature	<u>1.5°C</u>	State Certification Requested		
														NC	SC	Other

SEE REVERSE FOR
TERMS AND CONDITIONS

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 12, 2002

Report Number: G442-169

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

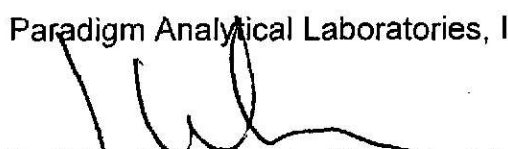
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: CSP-GP42-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 55516
Lab Project ID: G442-169

Date Collected: 10/23/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 92.9

Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	66	66

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: CSP-GP44-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 55517
Lab Project ID: G442-169

Date Collected: 10/25/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 87.6

Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL 600
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	84	84

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/29/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	924	92%	1075	108%	15.1

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L
N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	355	219	406

Reviewed By: 

COC#

2627 Northchase Parkway SE, Wilmington, NC 28405

Chain-of Custody Record & Analytical Request

Phone: (910)-350-1903 FAX: (910)-350-1557

Page of

Client: MARTIN + SUTCLIFF

Project ID: KUHLMAN ELECTRIC-

Date: 10/25/01

Report To: SAFARI

Address: f

Contact: ROBERT MARTIN

Turnaround: *STD*

Address: BLAICK-MOUNTAIN NC

Phone: _____

Job Number:**Quote #:**

Fax:

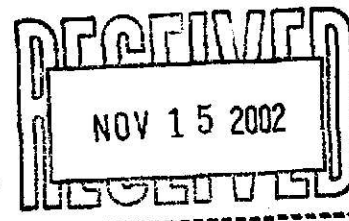
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Invoice To: State

[illegible]

SEE REVERSE FOR
TERMS AND CONDITIONS

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 12, 2002

Report Number: G442-170

Client Project ID: Kuhlman Electric

Dear Mr. Martin,


Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: HGP-GP2-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 55518
Lab Project ID: G442-170

Date Collected: 10/23/02
Date Received: 10/26/02
Date Analyzed: 11/5/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 92.7

Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	82	82

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 10/29/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 10/29/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	924	92%	1075	108%	15.1

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L


Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	355	219	406

Reviewed By: 

COC#

Chain-of-Custody Record & Analytical Request

1-800-955-1903 FAX: (910)-350-1557

Page 1 of 1

Report To: *SANC*

turnaround:

Job Number:

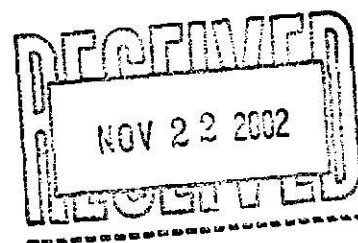
Fax: _____

P.O. Number:

Invoice To: SAME

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 20, 2002

Report Number: G442-177

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

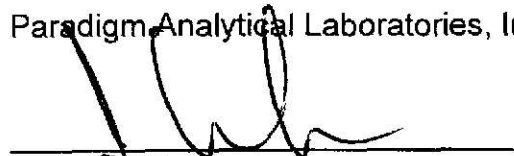
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: CSP-GP46-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56042
Lab Project ID: G442-177

Date Collected: 10/29/02
Date Received: 11/5/02
Date Analyzed: 11/11/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 76.2

Dilution: 5
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	640	BQL
Aroclor-1221	640	BQL
Aroclor-1232	640	BQL
Aroclor-1242	640	BQL
Aroclor-1248	640	BQL
Aroclor-1254	640	BQL
Aroclor-1260	640	9600
Aroclor-1262	640	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	90	90

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/6/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	BQL
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mlc

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	930	93%	897	90%	3.6

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

N.C. Certification #481 S.C. Certification #99029

Reviewed By: Mic

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	248	219	406

Reviewed By: JMP

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 30234

Page 1 of 1

Client: MARTIN & SLAUS

Project ID: RUTHMAN ELECTRIC

Date: 4 Nov 2

Report To: *SAMCE*

address:

Contact:

ROBERT MARTIN

Turnaround:

Q

address: BLAKE MOUNTAIN NC

Phone:

Phone: _____

Job Number:

•

Quote #:

Fax:

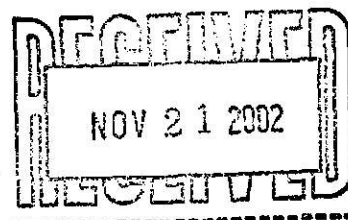
Fax: _____

P.O. Number:

Invoice To: **SPINE**

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 18, 2002

Report Number: G442-172

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: SMP-GP47-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 56024
Lab Project ID: G442-172

Date Collected: 10/29/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 84.5

Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MEC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: SMP-GP53-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56025
Lab Project ID: G442-172

Date Collected: 10/30/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 73.0

Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	73	73

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: SMP-GP56-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56026
Lab Project ID: G442-172

Date Collected: 10/30/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Matrix: Soil %SOLIDS: 70.6

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	140	BQL
Aroclor-1221	140	BQL
Aroclor-1232	140	BQL
Aroclor-1242	140	BQL
Aroclor-1248	140	BQL
Aroclor-1254	140	BQL
Aroclor-1260	140	670
Aroclor-1262	140	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	59	59

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: SMP-GP58-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56027
Lab Project ID: G442-172

Date Collected: 10/30/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Matrix: Soil %SOLIDS: 83.9

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	78	78

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: JMR

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: Method Blank

Client Project ID:

Lab Sample ID: Blk 11/6/02

Lab Project ID:

Matrix:

Date Collected:

Date Received:

Date Analyzed: 11/8/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	BQL
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mic

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	930	93%	897	90%	3.6

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: MLC

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC

Client Project ID:

Lab Sample ID: SLCS 20

Lab Project ID:

Matrix: Soil

Date Analyzed: 11/8/02

Analyzed By: CLP

Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	248	219	406

Reviewed By: mle

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway SE, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC#

Page 1 of 1

Client: MACTIN & SLACUE Project ID: KUTUMAW ELECTRIC Date: 4NOV02
 Address: ROBERT MONTANA Contact: STD Turnaround: STD
 Address: BLAKE MONTANA NC Job Number:
 Quote #: P.O. Number: Fax:

Report To: STATE

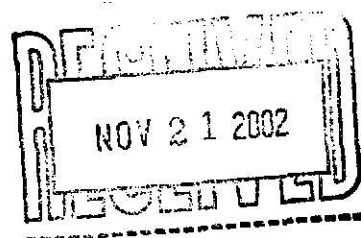
Invoice To: STATE

Sample ID	Date	Time	Matrix	Preservatives		Analyses										Comments: Please specify any special reporting requirements	
				NA	X	Ag											
SHP-GP47-002	290002	1030	S	X													Depth 10812 LAG #
SHP-GP53-001	300002	0820	S	X													24-30' 4929
SHP-GP56-001	300002	1050	S	X													0-6" 4914
SHP-GP58-001	300002	1445	S	X													0-6" 4954
																	0-6" 4960
																	Next hold time - 14 days extraction - 40 days analysis
																	6442-172

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
<u>Robert Montana</u>	<u>12/4/02</u>	<u>1400</u>	<u>Robert Montana</u>	<u>11/5/02</u>	<u>10:05</u>	<u>1-30C</u>	NC <u> </u> SC <u> </u> Other <u> </u>

SEE REVERSE FOR TERMS AND CONDITIONS

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 18, 2002

Report Number: G442-171

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: LGP-GP2-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56016
Lab Project ID: G442-171

Date Collected: 10/30/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 78.9

Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	BQL
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	49	49

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: LGP-GP4-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 56017
Lab Project ID: G442-171

Date Collected: 10/31/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 86.5

Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	63	63

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: LGP-GP15-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56018
Lab Project ID: G442-171

Date Collected: 10/31/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 82.4

Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	63	63

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: LGP-GP17-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56019
Lab Project ID: G442-171

Date Collected: 10/31/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 76.6

Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	490
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	76	76

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mrc

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: LGP-GP20-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56020
Lab Project ID: G442-171

Date Collected: 11/1/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Matrix: Soil %SOLIDS: 73.6

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	71	71

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mrc

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: LGP-GP29-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56021
Lab Project ID: G442-171

Date Collected: 11/1/02
Date Received: 11/5/02
Date Analyzed: 11/11/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 79.6

Dilution: 50
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	5700	BQL
Aroclor-1221	5700	BQL
Aroclor-1232	5700	BQL
Aroclor-1242	5700	BQL
Aroclor-1248	5700	BQL
Aroclor-1254	5700	BQL
Aroclor-1260	5700	74000
Aroclor-1262	5700	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MJC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: LGP-GP32-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56022
Lab Project ID: G442-171

Date Collected: 11/2/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Matrix: Soil %SOLIDS: 81.2

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	82	82

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: LGP-GP49-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56023
Lab Project ID: G442-171

Date Collected: 11/2/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Matrix: Soil %SOLIDS: 78.5

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	67	67

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MPC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/6/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	BQL
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MRL

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	930	93%	897	90%	3.6

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/l #481 S.C. Certification #99029

Reviewed By: mle

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	248	219	406

Reviewed By: MTC

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	924	92%	1075	108%	15.1

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L #481 S.C. Certification #99029

Reviewed By: MTC

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 19
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/5/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	355	219	406

Reviewed By: MN

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway SE, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC#

300000

Page 1 of 1

Client: MACTIN & SUTCLIFF Project ID: KEITHMAN ELECTRIC Date: 4/10/02 Report To: JANE
 Address: ROBERT MACTIN Turnaround: STD
 Address: BLACK MOUNTAIN NC Job Number: Invoice To: JANE
 Quote #: P.O. Number: Fax:

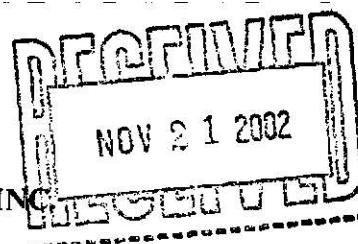
Sample ID	Date	Time	Matrix	Preservatives		Analyses					Comments:	
											Please specify any special reporting requirements	
				NA							Depth	MOBILE LAB #
1GP-GP2-001	300002	1645	S	X							0-6"	4969
-GP-GP4-003	310002	0810	S	X							42-48"	4977
1GP-GP15-001	310002	1530	S	X							0-6"	4991
1GP-GP17-001	310002	1540	S	X							0-6"	4993
1GP-GP20-001	100002	0845	S	X							0-6"	4997
1GP-GP29-001	100002	1415	S	X							0-6"	5008
1GP-GP32-001	200002	0820	S	X							0-6"	5013
1GP-GP49-001	200002	1570	S	X							0-6"	5031
											5442-171	

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
<i>Chen K. Smith</i>	4/14/02	1400	<i>Jeanette Phelan</i>	4/5/02	10:05	1-3°C	NC SC Other

SEE REVERSE FOR TERMS AND CONDITIONS

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 18, 2002

Report Number: G442-172

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.

A handwritten signature in black ink, appearing to read "J. Patrick Weaver", written over a horizontal line.

Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-4931
Client Project ID: Kuhlman Electric
Lab Sample ID: 56028
Lab Project ID: G442-173

Date Collected: 10/29/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 84.9

Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	74	74

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: Duplicate-4947
Client Project ID: Kuhlman Electric
Lab Sample ID: 56029
Lab Project ID: G442-173

Date Collected: 10/30/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 72.8

Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	BQL
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	72	72

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: WLC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-4981
Client Project ID: Kuhlman Electric
Lab Sample ID: 56030
Lab Project ID: G442-173

Date Collected: 10/31/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 77.1

Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	69	69

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mjc

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-5000
Client Project ID: Kuhlman Electric
Lab Sample ID: 56031
Lab Project ID: G442-173

Date Collected: 11/1/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Matrix: Soil %SOLIDS: 73.6

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	140	BQL
Aroclor-1221	140	BQL
Aroclor-1232	140	BQL
Aroclor-1242	140	BQL
Aroclor-1248	140	BQL
Aroclor-1254	140	BQL
Aroclor-1260	140	BQL
Aroclor-1262	140	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	72	72

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-5016
Client Project ID: Kuhlman Electric
Lab Sample ID: 56032
Lab Project ID: G442-173

Date Collected: 11/2/02
Date Received: 11/5/02
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Matrix: Soil %SOLIDS: 79.7

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mle

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/6/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	BQL
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	930	93%	897	90%	3.6

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/l

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	248	219	406

Reviewed By: YMC

COC#

Chain-of-Custody Record & Analytical Request

Page 1 of 1

Project ID: K4H4HAA ELECTRIC-

Date: 4/20/02

Report To: SANC

Contact:

ROBERT MATHIAS

Turnaround: 575

Phone:**Job Number:**

Quote #: _____

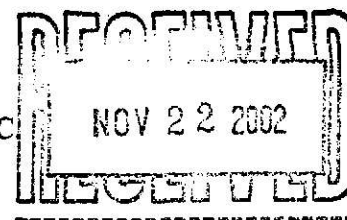
ix

P.O. Number:

Invoice To: **SARCE**

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 20, 2002

Report Number: G442-175

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: AHP-GP1-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56040
Lab Project ID: G442-175

Date Collected: 11/1/02
Date Received: 11/5/02
Date Analyzed: 11/9/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Matrix: Soil %SOLIDS: 77.2

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	BQL
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	57	57

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/6/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	BQL
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: JML

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	930	93%	897	90%	3.6

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: MRN

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	248	219	406

Reviewed By: _____

Client: MARTINDALE

Project ID: KUHMAN ELECTRIC

Date: 4/30/02

Address:

Address: _____

Contact: ROBERT MARTIN

Q25

Address: BLAISE HOUTMAN NC

Phone: _____

Job Number:

Quote #:

Quote #: _____

P.O. Number:

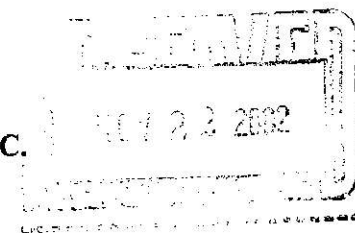
Invoice To:

[illegible]

Whitman

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 20, 2002

Report Number: G442-176

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

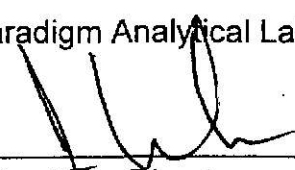
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: CNP-GP257-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56041
Lab Project ID: G442-176

Date Collected: 11/1/02
Date Received: 11/5/02
Date Analyzed: 11/9/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Matrix: Soil %SOLIDS: 81.9

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: YAC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/6/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/06/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	130	BQL
Aroclor-1221	130	BQL
Aroclor-1232	130	BQL
Aroclor-1242	130	BQL
Aroclor-1248	130	BQL
Aroclor-1254	130	BQL
Aroclor-1260	130	BQL
Aroclor-1262	130	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mlc

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	930	93%	897	90%	3.6

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: MLC

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 20
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/8/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	248	219	406

Reviewed By: WEC

Client: MARTIN & SLAGGE

Project ID:

KUHLHANS ELECTRIC

Date: 4 Nov 02

Report To: SAB

Address:

Address: _____

Contact: ROBERT HARTIN

Turnaround: Q2S

Address: BLACK HOOKS, NC Phone: _____

Job Number:

Quote #:

quote #: _____

Fax:

P.O. Number:

Invoice To: **SAVE**

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557

RECEIVED
NOV 28 2002
LABORATORY

Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 20, 2002

Report Number: G442-178

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: LGP-GP27-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 56590
Lab Project ID: G442-178

Date Collected: 11/4/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 81.8

Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	1600
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	77	77

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MPK

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: LGP-GP30-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 56591
Lab Project ID: G442-178

Date Collected: 11/4/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/14/02

Matrix: Soil %SOLIDS: 81.3

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	4100
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	70	70

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: CLP

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: LGP-GP30-007
 Client Project ID: Kuhlman Electric
 Lab Sample ID: 56592
 Lab Project ID: G442-178

Date Collected: 11/5/02
 Date Received: 11/12/02
 Date Analyzed: 11/15/02
 Analyzed By: CLP

Matrix: Soil %SOLIDS: 86.4

Dilution: 1
 Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	2200
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	70	70

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/14/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/15/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	89	89

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-21
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/18/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	1401	2635	123%	2817	142%	13.7

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: mtc

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 21
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/15/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	233	219	406

Reviewed By: MJC

Client: MARZINI & SCADEL Project ID: KUN-1140 BLEGARIC Date: 11/11/02 Report To: SA01B

Address: _____ Contact: ROBERT MARTIN Turnaround: STD

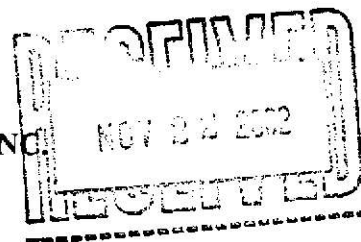
Address: BLACK MOUNTAIN, P/C Phone: _____ Job Number: _____

Quote #: _____ Fax: _____ P.O. Number: _____ Invoice To: SA01B

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 20, 2002

Report Number: G442-180

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: CSP-GP50-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56596
Lab Project ID: G442-180

Date Collected: 11/5/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 81.1

Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	240
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	85	85

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MKC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: CSP-GP47-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 56597
Lab Project ID: G442-180

Date Collected: 11/7/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 82.2

Dilution: 1
Date Extracted: 11/15/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	88	88

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: WLC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: CSP-GP46-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 56598
Lab Project ID: G442-180

Date Collected: 11/8/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 80.5

Dilution: 1
Date Extracted: 11/15/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	3600
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	79	79

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: WLC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/14/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/15/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	89	89

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: ymc

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/15/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/15/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/15/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	83	83

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-21
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/18/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	1401	2635	123%	2817	142%	13.7

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: jurc

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Laboratory Control Spike (LCS)

by GC 8082

Client Sample ID: Batch QC

Client Project ID:

Lab Sample ID: SLCS 21

Lab Project ID:

Matrix: Soil

Date Analyzed: 11/15/02

Analyzed By: CLP

Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	233	219	406

Reviewed By: MLC

627 Northchase Parkway SE, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Client: MARTIN + SUTELLE

Project ID: KUHUSAD EUPHIA

Date: 11/11/02

Report To: JAMES

Address: _____

Contact: Robert M. Maffei

Turnaround: 16.5

address: Black Mountain NC

Phone: _____**Job Number:**

Quote #: _____

Fax: _____

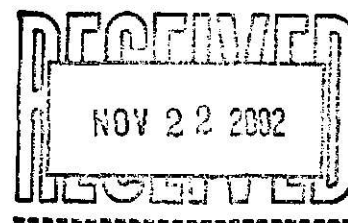
P.O. Number:

Invoice To: SANUS

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 20, 2002

Report Number: G442-182

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

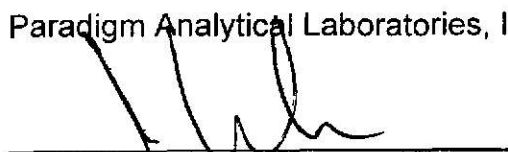
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: SMP-GP60-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56603
Lab Project ID: G442-182

Date Collected: 11/5/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 80.0

Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	73	73

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mlc

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: SMP-GP52-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 56604
Lab Project ID: G442-182

Date Collected: 11/7/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 83.0

Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	1800
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	77	77

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/14/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/15/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	89	89

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: MM/C

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-21
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/18/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	1401	2635	123%	2817	142%	13.7

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: MPC

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 21
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/15/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	233	219	406

Reviewed By: MLC

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Client: MARTIN, S. L. HILL

Project ID: KUHNHARDT ELECTRIC

Date: 11/11/02

Report To: *Shane*

Address: _____

Contact: ROBERT MINTZ

Turnaround: 50

Address: BLACK MOUNTAIN NC

Phone:

Job Number:

)note #: _____

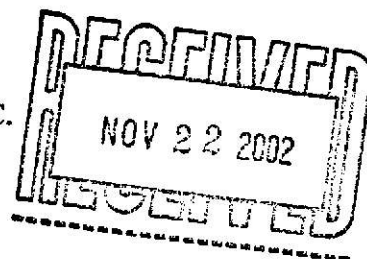
Fax: _____

P.O. Number: _____

Invoice To: Sam's

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 20, 2002

Report Number: G442-181

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: Duplicate-5034
Client Project ID: Kuhlman Electric
Lab Sample ID: 56599
Lab Project ID: G442-181

Date Collected: 11/4/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 82.1

Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	1500
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	72	72

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mrc

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: Duplicate-5049
Client Project ID: Kuhlman Electric
Lab Sample ID: 56600
Lab Project ID: G442-181

Date Collected: 11/5/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 87.3

Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	2500
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	75	75

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MAC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-5054
Client Project ID: Kuhlman Electric
Lab Sample ID: 56601
Lab Project ID: G442-181

Date Collected: 11/7/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 83.2

Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	83	83

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mae

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: Duplicate-5059
Client Project ID: Kuhlman Electric
Lab Sample ID: 56602
Lab Project ID: G442-181

Date Collected: 11/8/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 84.6

Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	640
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	78	78

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mlc

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/14/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/15/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	89	89

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mk

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-21
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/18/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	1401	2635	123%	2817	142%	13.7

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

N.C. Certification #481 S.C. Certification #99029

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC

Client Project ID:

Lab Sample ID: SLCS 21

Lab Project ID:

Matrix: Soil

Date Analyzed: 11/15/02

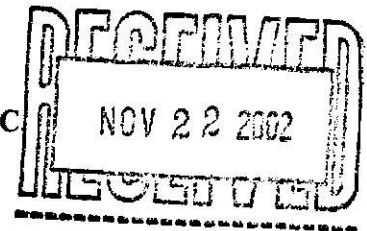
Analyzed By: CLP

Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	233	219	406

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

November 20, 2002

Report Number: G442-183

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

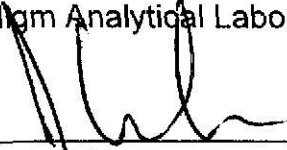
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: LPP-GP125-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 56605
Lab Project ID: G442-183

Date Collected: 11/8/02
Date Received: 11/12/02
Date Analyzed: 11/15/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 84.6

Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	550
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	67	67

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MAC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/14/02
Lab Project ID:
Matrix:

Date Collected:
Date Received:
Date Analyzed: 11/15/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/14/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	89	89

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mkc

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-21
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/18/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	1401	2635	123%	2817	142%	13.7

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/l #481 S.C. Certification #99029

Reviewed By: WLC

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 21
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/15/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	233	219	406

Reviewed By: MLC

COC# 20555

Chain-of-Custody Record & Analytical Request

Page 1 of 1

Project ID: KATHMAN ELECTRIC

Date: 11/11/02

Report To: SAME

Contact: Robert McIntosh

Turnaround: Same STD

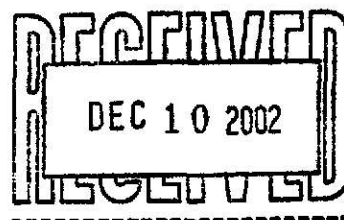
Phone:

Job Number:

P.O. Number:

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

December 6, 2002

Report Number: G442-189

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

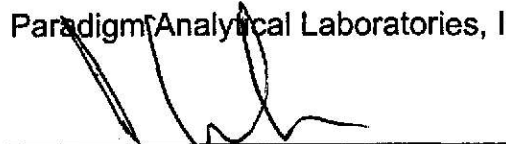
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: CNP-GP258-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 57135
Lab Project ID: G442-189

Date Collected: 11/11/02
Date Received: 11/16/02
Date Analyzed: 11/26/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 82.5

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	320
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	85	85

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/21/02
Lab Project ID:
Matrix: Soil

Date Collected:
Date Received:
Date Analyzed: 11/26/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: ymc

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	214	1163	95%	1514	130%	31.2

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: MLC

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	347	219	406

Reviewed By: mlc

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway SE, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of-Custody Record & Analytical Request

COC#

Page 1 of 1

Client: MARTINUS SLACKE

Project ID: KATHMAN ELECTRIC

Date: 11/15/02

Report To: SAME

Address:

Contact: ROBERT MATHIAS

Turnaround:

Address: BLACK MOUNTAIN NC

Phone: _____

Job Number:

Quote #:

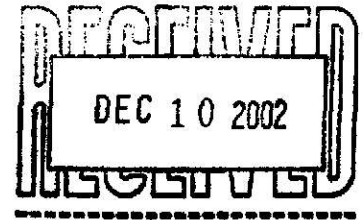
Fax: _____

P.O. Number:

Invoice To: **SMUS**

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

December 6, 2002

Report Number: G442-190

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: CSP-GP36-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 57136
Lab Project ID: G442-190

Date Collected: 11/12/02
Date Received: 11/16/02
Date Analyzed: 11/26/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 82.5

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	80	80

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mcl

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/21/02
Lab Project ID:
Matrix: Soil

Date Collected:
Date Received:
Date Analyzed: 11/26/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mcc

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	214	1163	95%	1514	130%	31.2

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: mel

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	347	219	406

Reviewed By: MLC

Chain-of Custody Record & Analytical Request

Phone: (910)-350-1903 FAX: (910)-350-1557

COC# 29562

Page 1 of 1

Client: MARTIN + SUTCLIFF

Project ID: KUTHNAN ELECTRIC

Date: 11/15/02

Report To: SAME

Address:

Contact: ROBERT MARET, JR.

Turnaround:

Address: Black Mountain NC

Phone: _____

Job Number:

Quote #:

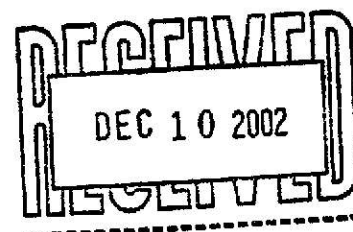
Fax: _____

P.O. Number:

Invoice To: SAME

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

December 6, 2002

Report Number: G442-191

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: RFP-GP30-006
Client Project ID: Kuhlman Electric
Lab Sample ID: 57137
Lab Project ID: G442-191

Date Collected: 11/13/02
Date Received: 11/16/02
Date Analyzed: 11/26/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 83.6

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	72	72

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mtl

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/21/02
Lab Project ID:
Matrix: Soil

Date Collected:
Date Received:
Date Analyzed: 11/26/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	214	1163	95%	1514	130%	31.2

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	347	219	406

Reviewed By: MAC

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway SE, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of-Custody Record & Analytical Request

COC#

Page 1 of 1

Client: MARTIN + SLASLÉ

Project ID: KUHLMAN ELECTRIC

Date: 1/15/02

Address:

Contact: ROBERT MARTIN

2

Report To: SAME

Address: BLACK MOUNTAIN NC

Phone:**Job Number:****Quote #:**

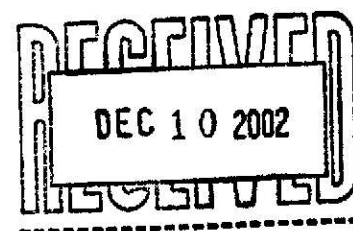
Fax: 202-462-6090

P.O. Number:

Invoice To: **Saul**

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

December 6, 2002

Report Number: G442-192

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

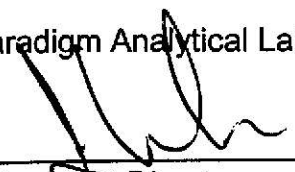
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Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: LGP-GP30-008
 Client Project ID: Kuhlman Electric
 Lab Sample ID: 57138
 Lab Project ID: G442-192

Date Collected: 11/13/02
 Date Received: 11/16/02
 Date Analyzed: 11/26/02
 Analyzed By: CLP

Matrix: Soil

%SOLIDS: 83.6

Dilution: 1
 Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	84	84

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mdc

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/21/02
Lab Project ID:
Matrix: Soil

Date Collected:
Date Received:
Date Analyzed: 11/26/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MAC

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	214	1163	95%	1514	130%	31.2

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: MLL

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 22
Lab Project ID:
Matrix: Soil

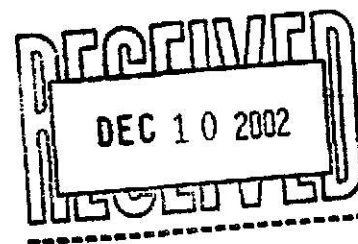
Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	347	219	406

Reviewed By: MLC

**SEE REVERSE FOR
TERMS AND CONDITIONS**

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

December 6, 2002

Report Number: G442-187

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

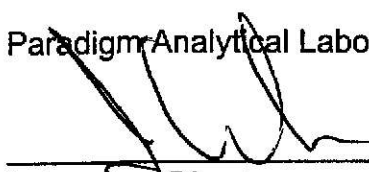
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Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: LPP-GP3-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 57131
Lab Project ID: G442-187

Date Collected: 11/12/02
Date Received: 11/16/02
Date Analyzed: 11/26/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 81.7

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	BQL
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	82	82

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: LPP-GP4-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 57132
Lab Project ID: G442-187

Date Collected: 11/13/02
Date Received: 11/16/02
Date Analyzed: 11/26/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 84.3

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	99	BQL
Aroclor-1221	99	BQL
Aroclor-1232	99	BQL
Aroclor-1242	99	BQL
Aroclor-1248	99	BQL
Aroclor-1254	99	BQL
Aroclor-1260	99	860
Aroclor-1262	99	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	90	90

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/21/02
Lab Project ID:
Matrix: Soil

Date Collected:
Date Received:
Date Analyzed: 11/26/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mmc

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	214	1163	95%	1514	130%	31.2

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: mcl

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	347	219	406

Reviewed By: mlc

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of-Custody Record & Analytical Request

COC# 29563

Page 1 of 1

Client: MAJETIĆ + SLAČE

Project ID: KUHAKU ELECTRIC

Date:

20/5/11

Report To:

51415

Address:

Contact: Robert Miller

Turnaround:

Address: BLACK MOUNTAIN NC

Phone: _____

Job Number:

Quote #:

Quote #: _____

Fax:

P.O. Number:

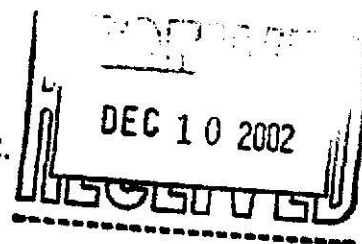
P.O. Number:

Invoice To: **Same**

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

December 6, 2002

Report Number: G442-188

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: WRP-GP3-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 57133
Lab Project ID: G442-188

Date Collected: 11/12/02
Date Received: 11/16/02
Date Analyzed: 11/26/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 81.3

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	250
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	43	43

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MAC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: WRP-GP4-005
Client Project ID: Kuhlman Electric
Lab Sample ID: 57134
Lab Project ID: G442-188

Date Collected: 11/13/02
Date Received: 11/16/02
Date Analyzed: 11/26/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 82.3

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	1800
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	73	73

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mlc

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: Method Blank

Client Project ID:

Lab Sample ID: Blk 11/21/02

Lab Project ID:

Matrix: Soil

Date Collected:

Date Received:

Date Analyzed: 11/26/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	214	1163	95%	1514	130%	31.2

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

N.C. Certification #481 S.C. Certification #99029

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC

Date Analyzed: 11/29/02

Client Project ID:

Analyzed By: CLP

Lab Sample ID: SLCS 22

Dilution: 1.0

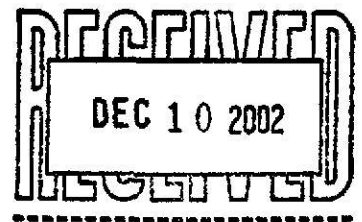
Lab Project ID:

Matrix: Soil

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	347	219	406

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

December 6, 2002

Report Number: G442-185

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: SMP-GP52-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 57120
Lab Project ID: G442-185

Date Collected: 11/13/02
Date Received: 11/16/02
Date Analyzed: 11/25/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 84.1

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	860
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	80	80

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: SMP-GP63-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 57121
Lab Project ID: G442-185

Date Collected: 11/14/02
Date Received: 11/16/02
Date Analyzed: 11/29/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 81.6

Dilution: 5
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	450	BQL
Aroclor-1221	450	BQL
Aroclor-1232	450	BQL
Aroclor-1242	450	BQL
Aroclor-1248	450	BQL
Aroclor-1254	450	BQL
Aroclor-1260	450	7600
Aroclor-1262	450	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	75	75

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: SMP-GP66-001
Client Project ID: Kuhlman Electric
Lab Sample ID: 57122
Lab Project ID: G442-185

Date Collected: 11/14/02
Date Received: 11/16/02
Date Analyzed: 11/25/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 82.3

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	1700
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	71	71

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MAC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs by EPA 8082

Client Sample ID: SMP-GP68-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 57123
Lab Project ID: G442-185

Date Collected: 11/14/02
Date Received: 11/16/02
Date Analyzed: 11/25/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 88.1

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	150
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	79	79

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out

Reviewed By: nkc

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: SMP-GP69-003
Client Project ID: Kuhlman Electric
Lab Sample ID: 57124
Lab Project ID: G442-185

Date Collected: 11/14/02
Date Received: 11/16/02
Date Analyzed: 11/25/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 89.5

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	99	BQL
Aroclor-1221	99	BQL
Aroclor-1232	99	BQL
Aroclor-1242	99	BQL
Aroclor-1248	99	BQL
Aroclor-1254	99	BQL
Aroclor-1260	99	720
Aroclor-1262	99	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	90	90

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: ML

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: SMP-GP69-004
Client Project ID: Kuhlman Electric
Lab Sample ID: 57125
Lab Project ID: G442-185

Matrix: Soil %SOLIDS: 84.0

Date Collected: 11/15/02
Date Received: 11/16/02
Date Analyzed: 11/25/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	230
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	81	81

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of
Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: WAC

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Method Blank
 Client Project ID:
 Lab Sample ID: Blk 11/21/02
 Lab Project ID:
 Matrix: Soil

Date Collected:
 Date Received:
 Date Analyzed: 11/26/02
 Analyzed By: CLP
 Dilution: 1
 Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MAC

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	214	1163	95%	1514	130%	31.2

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L #481 S.C. Certification #99029

Reviewed By: JML

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC

Date Analyzed: 11/29/02

Client Project ID:

Analyzed By: CLP

Lab Sample ID: SLCS 22

Dilution: 1.0

Lab Project ID:

Matrix: Soil

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	347	219	406

Reviewed By: mrc

Client: MARTIN + SACHS

Project ID: KATHMA ELECTRIC

Date: 11/15/02

Address: _____

Contact: **LIBERT NATHAN**

57A

Address: Black Mountain NC

Phone: _____

Job Number:

Quote #: _____

Fax: _____

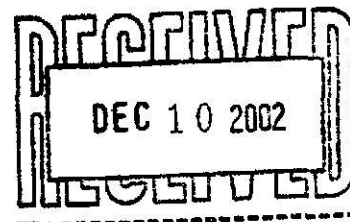
P.O. Number:

Report To: Same

Invoice To: **SAME**

[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

December 6, 2002

Report Number: G442-186

Client Project ID: Kuhlman Electric

Dear Mr. Martin,


Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

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Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Duplicate-5065
Client Project ID: Kuhlman Electric
Lab Sample ID: 57126
Lab Project ID: G442-186

Date Collected: 11/11/02
Date Received: 11/16/02
Date Analyzed: 11/25/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 81.0

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	290
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	76	76

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Duplicate-5068
Client Project ID: Kuhlman Electric
Lab Sample ID: 57127
Lab Project ID: G442-186

Date Collected: 11/12/02
Date Received: 11/16/02
Date Analyzed: 11/26/02
Analyzed By: CLP

Matrix: Soil

%SOLIDS: 82.2

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	110	BQL
Aroclor-1221	110	BQL
Aroclor-1232	110	BQL
Aroclor-1242	110	BQL
Aroclor-1248	110	BQL
Aroclor-1254	110	BQL
Aroclor-1260	110	260
Aroclor-1262	110	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	76	76

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mls

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-5082
Client Project ID: Kuhlman Electric
Lab Sample ID: 57128
Lab Project ID: G442-186

Date Collected: 11/13/02
Date Received: 11/16/02
Date Analyzed: 11/26/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 83.5

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Aroclor-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	1000
Aroclor-1262	120	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	79	79

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of
Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mhl

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Duplicate-5096
Client Project ID: Kuhlman Electric
Lab Sample ID: 57129
Lab Project ID: G442-186

Date Collected: 11/14/02
Date Received: 11/16/02
Date Analyzed: 11/29/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 74.9

Dilution: 5
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	550	BQL
Aroclor-1221	550	BQL
Aroclor-1232	550	BQL
Aroclor-1242	550	BQL
Aroclor-1248	550	BQL
Aroclor-1254	550	BQL
Aroclor-1260	550	5000
Aroclor-1262	550	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	45	45

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MPC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate-5120
Client Project ID: Kuhlman Electric
Lab Sample ID: 57130
Lab Project ID: G442-186

Date Collected: 11/15/02
Date Received: 11/16/02
Date Analyzed: 11/26/02
Analyzed By: CLP

Matrix: Soil %SOLIDS: 60.2

Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	150	BQL
Aroclor-1221	150	BQL
Aroclor-1232	150	BQL
Aroclor-1242	150	BQL
Aroclor-1248	150	BQL
Aroclor-1254	150	BQL
Aroclor-1260	150	330
Aroclor-1262	150	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	82	82

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 11/21/02
Lab Project ID:
Matrix: Soil

Date Collected:
Date Received:
Date Analyzed: 11/26/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	100	BQL
Aroclor-1221	100	BQL
Aroclor-1232	100	BQL
Aroclor-1242	100	BQL
Aroclor-1248	100	BQL
Aroclor-1254	100	BQL
Aroclor-1260	100	BQL
Aroclor-1262	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	93	93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mll

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-22
Lab Project ID:
Matrix: Soil

Date Analyzed: 11/29/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	214	1163	95%	1514	130%	31.2

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: MLC

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC

Date Analyzed: 11/29/02

Client Project ID:

Analyzed By: CLP

Lab Sample ID: SLCS 22

Dilution: 1.0

Lab Project ID:

Matrix: Soil

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	347	219	406

Reviewed By: mlc

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 25360

Page of

Client: MARTIN + SLAICE

Project ID: KULHMAN ELECTRIC

Date: 11/15/02

Report To: Same

Address:

Contact: КОХЕРТ МАКТИН

Turnaround: 5TD

Address: BLACK MOUNTAIN NC Phone: _____

Job Number:

Quote #:

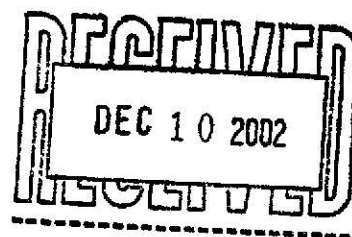
Fax:

P.O. Number:

[illegible]

**SEE REVERSE FOR
TERMS AND CONDITIONS**

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

December 6, 2002

Report Number: G442-193

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

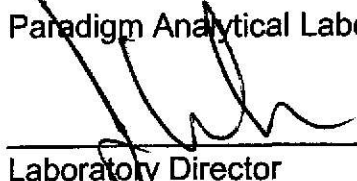
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: MW2-GW001
Client Project ID: Kuhlman Electric
Lab Sample ID: 57197
Lab Project ID: G442-193
Matrix: Water

Date Collected: 11/15/02
Date Received: 11/19/02
Date Analyzed: 11/26/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/22/02

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Aroclor-1016	1.0	BQL
Aroclor-1221	1.0	BQL
Aroclor-1232	1.0	BQL
Aroclor-1242	1.0	BQL
Aroclor-1248	1.0	BQL
Aroclor-1254	1.0	BQL
Aroclor-1260	1.0	BQL
Aroclor-1262	1.0	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	66	66

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: MW3-GW001
Client Project ID: Kuhlman Electric
Lab Sample ID: 57198
Lab Project ID: G442-193
Matrix: Water

Date Collected: 11/16/02
Date Received: 11/19/02
Date Analyzed: 11/26/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/22/02

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Aroclor-1016	1.0	BQL
Aroclor-1221	1.0	BQL
Aroclor-1232	1.0	BQL
Aroclor-1242	1.0	BQL
Aroclor-1248	1.0	BQL
Aroclor-1254	1.0	BQL
Aroclor-1260	1.0	BQL
Aroclor-1262	1.0	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	71	71

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: W.L.C.

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Bk 11/22/02
Lab Project ID:
Matrix: Water

Date Collected:
Date Received:
Date Analyzed: 11/26/02
Analyzed By: CLP
Dilution: 1
Date Extracted: 11/22/02

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Aroclor-1016	1.0	BQL
Aroclor-1221	1.0	BQL
Aroclor-1232	1.0	BQL
Aroclor-1242	1.0	BQL
Aroclor-1248	1.0	BQL
Aroclor-1254	1.0	BQL
Aroclor-1260	1.0	BQL
Aroclor-1262	1.0	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: S-MS.MSD-210
Lab Project ID:
Matrix: Water

Date Analyzed: 10/30/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	754	75%	798	80%	5.7

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L

Reviewed By: ML

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 210
Lab Project ID:
Matrix: Soil

Date Analyzed: 10/30/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	300	219	406

Reviewed By: mcc

Client: MARTIN SLACIE

Project ID: KATHUNA Electric

Date:

Report to: *SAME*

Address:

Contact: JOSEPH W. HARTMAN

Turnaround:

465

Address: Black Mountain NC

Phone:

Job Number:

note #:

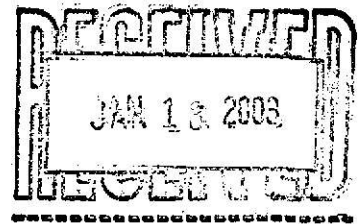
Fax: _____

P.O. Number:

Invoice To:[illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557



Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

January 10, 2003

Report Number: G442-197

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

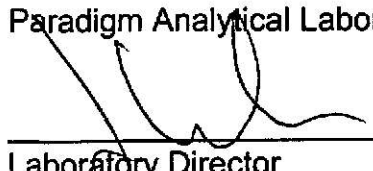
Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: MW4-GW002
Client Project ID: Kuhlman Electric
Lab Sample ID: 59049
Lab Project ID: G442-197
Matrix: Water

Date Collected: 12/14/02
Date Received: 12/17/02
Date Analyzed: 1/6/03
Analyzed By: CLP
Dilution: 1
Date Extracted: 12/20/02

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Aroclor-1016	1.0	BQL
Aroclor-1221	1.0	BQL
Aroclor-1232	1.0	BQL
Aroclor-1242	1.0	BQL
Aroclor-1248	1.0	BQL
Aroclor-1254	1.0	BQL
Aroclor-1260	1.0	BQL
Aroclor-1262	1	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	72	72

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: mlc

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for PCBs
by EPA 8082**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 12/20/02
Lab Project ID:
Matrix: Water

Date Collected:
Date Received:
Date Analyzed: 1/6/03
Analyzed By: CLP
Dilution: 1
Date Extracted: 12/20/02

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Aroclor-1016	1.0	BQL
Aroclor-1221	1.0	BQL
Aroclor-1232	1.0	BQL
Aroclor-1242	1.0	BQL
Aroclor-1248	1.0	BQL
Aroclor-1254	1.0	BQL
Aroclor-1260	1.0	BQL
Aroclor-1262	1	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	73	73

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: W-MS.MSD-259
Lab Project ID:
Matrix: Water

Date Analyzed: 12/17/02
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	985	99%	776	78%	23.7

Comments:

BQL = Below Quantitation Limit
N.C. Certification #481 S.C. Certification #99029
Results reported are on-column amounts in ug/L.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: WLCS 259
Lab Project ID:
Matrix: Water

Date Analyzed: 12/17/02
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/L)	Result (ug/L)	Limits	
			Lower	Upper
Aroclor 1260	313	259	219	406

Reviewed By: MAC

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 29571

Page 1 of 1Client: MATTIN + SLACCEProject ID: KULTURAKU ELECTRIC

Date: 12/14/02

Report To: Swan

address:

Contact: ROBERT MARTIN

Turnaround: STD

address: 647 K MOUNTAIN NC

Phone: _____**Job Number:**

)note #:

P.O. Number:

Invoice To: **SAME**

[illegible]

ORIGINAL

**Evaluation of Field Analytical
PCB Determinations Supporting
the North Drainage Channel Site
Characterization**

Crystal Springs, MS

Prepared for
Martin & Slagle
P.O. Box 1023
208 Sutton Avenue
Black Mountain, NC 28711

Prepared by
Gradient Corporation
238 Main Street
Cambridge, MA 02142

January 14, 2003

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Executive Summary

A field laboratory, Environmental Chemistry Consulting Services, Inc. (ECCS), successfully analyzed thousands of soil samples for polychlorinated biphenyls (PCBs) in support of the north drainage channel site characterization activities performed for Kuhlman Electric Corporation in Crystal Springs Mississippi. Approximately 10 percent of the soil samples collected during the program were split in the field and sent to a fixed laboratory, Paradigm Analytical Laboratories, Inc. (Paradigm), for confirmatory analysis. The field laboratory successfully implemented an extensive Quality Assurance/Quality Control (QA/QC) program, a program essentially as comprehensive and strict as those of fixed laboratories (see Appendix 2 for field laboratory reports). A careful examination of the field QA/QC results and the results of the split soil samples analyzed by both the field (ECCS) and the confirmatory (Paradigm) laboratories demonstrated the outstanding consistency and accuracy of the field laboratory. Comparison of results of the split samples analyzed by both laboratories showed excellent agreement across the full range of encountered Aroclor 1260 concentrations, including those near the PCB action level of 1.0 mg/kg, confirming the suitability of the field measurements for site characterization and future decision-making.

- Both laboratories consistently met internal QA/QC criteria. Analytical systems were under control with regard to calibration, surrogate recoveries, matrix spikes, matrix spike duplicates, laboratory control samples, and blanks.
- Overall, 86.5% of split samples fell within the range of acceptable relative percent differences for split soil samples.
- 95.9% of split samples collected May 2002-November 2002 fell within range of acceptable relative percent differences for split soil samples.
- 93.3% of the duplicate sample pairs analyzed by the field laboratory fell within the acceptable range for relative percent differences for (duplicate) soil samples.
- 98.5% of field laboratory results of <1.0 mg/kg were confirmed by the fixed laboratory.
- The precision, accuracy, selectivity, and sensitivity of the field laboratory were excellent throughout the program.

The initial phase of the program revealed comparability issues for some of the split samples, however, the agreement of split samples near the action level was always excellent. The comparability issues were resolved by modifying the fixed laboratory's sample preparation procedures, and the comparability demonstrated subsequently confirmed the strong performance of the field laboratory throughout the entire program.

1 Field Laboratory Method Procedures

The use of the field laboratory was approved by MDEQ and USEPA Region IV for assessment and confirmation of remediation on this project as discussed in Section 7.0 of this report. Both laboratories have consistently performed well during previous phases of assessment and remediation associated with the Kuhlman Electric project. In accordance with the approved QA/QC plan, ten percent of samples collected were split and sent to the fixed base laboratory, Paradigm, to confirm the field laboratory results and applicability of these results to the assessment and remediation programs

The field method used for the determination of PCBs during this program was an abbreviated, modified version of approved methods (a mini-extraction modifying EPA Method 3500B for sample extraction, EPA Method 3665A for extract cleanup, and EPA Method 8082 for determination of PCBs). The method was sophisticated for a field analysis protocol: surrogates were added to each sample to monitor extraction performance; analysis was carried out on a gas chromatograph using capillary columns and an electron capture detector (ECD); and quantitation was based on comparison to standards using daily 6--point calibration curves. Through the use of the gas chromatograph and ECD, the selectivity and sensitivity of the field method was equivalent to that of the fixed laboratory. The method was also similar to one previously demonstrated to be successful for PCBs by the EPA (USEPA, 1995).

1.1 Field Laboratory Sample Preparation and Extraction

For each sample, the field laboratory received a 9 oz. sample jar filled with soil that had been homogenized by the sample collectors. After processing the sample, as described below, field laboratory staff transferred soil from the original 9 oz. jar into a 4 oz. jar which was shipped to the fixed laboratory for confirmatory analysis. The field laboratory retained the balance of sample in the 9 oz. jar.

In the field laboratory, approximately 4 grams of each sample were weighed into a 20 mL scintillation vial. Approximately 10 grams of sodium sulfate were added to the vial and mixed with the soil until the mixture was free flowing. Surrogate solution containing decachlorobiphenyl [DCBP] and tetrachlorometaxylene [TCMX] was added, followed by addition of 8 mLs of solvent (80:20, isooctane:acetone). The container was then sealed and shaken for 3 thirty-second intervals. If the extract exhibited color following the shaking step, it was treated with sulfuric acid to remove interferants.

Otherwise, the extract was decanted into injection vials and subsequently injected onto a gas chromatograph equipped with an electron capture detector.

1.2 Field Laboratory Analysis

Sample analysis was performed on an RTX-35, 30 m X 0.53mm ID X 0.5-micron film capillary column. Based on site history and prior analyses (and confirmed by this program), the PCBs were quantified as Aroclor 1260. Up to 9 Aroclor 1260 peaks were used to quantify the concentration of PCBs present, based on a 6-point calibration curve, which was generated each day. Continuing Calibration Verification (CCV) samples were also run regularly. Allowable surrogate recoveries were 60-140 % for both DCPB and TCMX. The nominal reporting limit was approximately 0.100 mg/kg, well below the target action level of 1.0 mg/kg.

1.3 Field Laboratory QA/QC

The QA/QC parameters of the field methodology are described in the field laboratory reports (Appendix 2). The field laboratory consistently met its QA/QC criteria, ensuring that the analytical system was under control with regard to calibrations, matrix spikes, matrix spike duplicates, laboratory control samples, and blanks. Sample surrogate recoveries were calculated on a real-time basis and re-extractions and re-analyses were performed on the infrequent occasions that allowable recoveries were not achieved.

2 Fixed Laboratory Method Procedures

The confirmatory laboratory, Paradigm, used approved EPA methods, including EPA Method 3545 for extraction, EPA Method 3665A for cleanup of the extract, and EPA Method 8082 for analysis of the extract for PCBs.

During initial deployment of the field sampling team (November 2001 – February 2002), as field results were compared to fixed laboratory results, it became apparent that there was a consistent divergence in the results of the two methods. The divergence appeared to be related to the amount of moisture in the sample. Upon discovery of this issue, during a hiatus in the field program, corrective action was taken (see Section 2.2), after which (May 2002-November 2002) the comparability of the field results and the fixed laboratory results were excellent as will be discussed below. Even in early part of the program, however, the field results and the fixed laboratory results were highly correlated and agreed well in the most critical samples – those that were indicative of the boundaries of the contamination. Thus, decisions based on the field results were sound and conservative throughout the program.

2.2 Fixed Laboratory Sample Preparation and Extraction

EPA Method 3545, Accelerated Solvent Extraction (or, Pressurized Solvent Extraction), was used to extract PCBs from the split samples sent to the fixed laboratory. Approximately 10 grams of soil were mixed and dried with approximately 10 (early phase) to 20 (later phase) grams of drying agent (in the early phase diatomaceous earth or Ottawa sand was used, in the later phase sodium sulfate was used), then extracted in a pressurized, heated extraction device. Initially a single extraction cycle was used, in the later phase two extraction cycles were used. The modifications described here resolved the comparability issues.

2.3 Fixed Laboratory Analysis

The fixed laboratory used EPA Method 8082 for the analysis of samples (USEPA, 1997). The method was virtually the same as that of the field laboratory with regard to equipment and methodology.

2.4 Fixed Laboratory QA/QC

With one or two exceptions, the fixed laboratory consistently met its QA/QC criteria, ensuring that the analytical system was under control with regard to calibrations, surrogate recoveries, matrix spikes, matrix spike duplicates, laboratory control samples, and blanks (See Appendix 3).

3 Comparison of Field Laboratory and Fixed Laboratory Results

3.1 Split Samples

The PCB (Aroclor 1260) data for all split samples are presented in Table 1. Other information regarding these samples, such as collection dates, depth of sample, *etc.*, are presented in Appendix 2. In comparing the results of split samples (a split sample is one that has been mixed in a container the field, then sent to two different laboratories for analysis), it is appropriate to evaluate the results from the early phase (November 2001-February 2002) separately from those of the later deployment of field personnel (May 2002-November 2002) because of the modifications made at the fixed laboratory during the interim. Throughout this document we use the field laboratory results directly (expressed on an as received, or wet weight basis) to compare with the fixed laboratory results. This comparison is most appropriate for evaluating the performance of the field laboratory because it coincides exactly with how the field results are used on a real-time basis and in generating a conceptual site model. Also, for calculations and plotting all nondetects were set to values equal to the reporting limit.

A comparison of the field and the fixed laboratory results for November 2001-February 2002 is illustrated in Figure 1. The regression line, its equation, and the coefficient of determination (R^2 , [Zar, 1984]) are also presented in the figure (and is presented in all similar figures in this report). The field results correlated strongly with the fixed laboratory results. The field results tended to be greater than the fixed laboratory results,

A comparison of the field results and the fixed laboratory results for the later phase of the program (May 9, 2002 through November 18, 2002) is illustrated in Figure 2. Again, the regression line, its equation, and the coefficient of determination (R^2) are also presented in the figure. Figure 2 shows that the agreement between the field laboratory and the fixed laboratory during this period was outstanding at all levels. With regard to the regression line describing the relationship between the field and fixed results, this program exhibited better agreement as indicated by the R^2 value (0.897 [the closer to 1.0 the better]), the slope (0.922 [the closer to 1.0 the better]), and the y-intercept (1.40 mg/kg (the closer to 0.0 the better) than the EPA program that developed the field PCB method that was mentioned earlier (USEPA, 1995). In that program, for 76 pairs of split samples, EPA achieved an R^2 of 0.86, a slope of 1.09, and a y-intercept of 3.57 mg/kg.

Figures 3 through 9 compare the field and fixed laboratory results for each month from May through November 2002, illustrating that the comparability was consistently superb throughout the program.

To evaluate precision and accuracy further, the *Relative Percent Difference (RPD; $RPD = ([field - fixed] / \{[field + fixed] / 2\} \times 100\%)$)* was calculated for each pair of split samples. For this data analysis, we evaluated the split sample data against an RPD criterion of 100%. This criterion was used by EPA at the Anniston, Alabama site (USEPA, 2000). Unfortunately, USEPA Region IV's data validation guidance does not specify a criterion for split sample precision, other than to note whether precision was acceptable, provisional, or unacceptable; based on our analysis the precision is acceptable (USEPA Region IV, 1999).

Figure 10 plots the RPD versus the fixed lab concentration (Paradigm). As expected, the magnitude of the RPDs tend to be greater and more variable as one approaches zero concentration simply because a given absolute difference in concentration constitutes a larger percentage difference. This trend is also revealed in Figure 11, which present the median RPD along with percentile information, for split samples organized into concentration ranges: ≤ 10 mg/kg; between 10 and ≤ 100 mg/kg; and > 100 mg/kg.

Overall the precision and accuracy of the field data as reflected in the RPD determinations were excellent. In only a few instances (10 out of 242, or 4.1%) did RPDs of split samples exceed 100% and these were for samples with low concentrations. Poor precision can be caused by a number of things, including poor instrument performance or inconsistent analysis methods, but, especially in the case of soils, a difficult, heterogeneous sample matrix is often the reason. Soil contamination is prone to heterogeneity for semivolatile organics like PCBs because PCBs adhere to soil particles and do not generally get mixed well in the environment. This trait of soil contamination is recognized by regulatory agencies and is reflected in the larger RPD tolerances for soil samples relative to aqueous samples (50% for soils, 30% for aqueous duplicate samples, USEPA Region I, 1996).

3.2 Duplicate Samples

Table 2 presents the data for the duplicate samples pairs that were analyzed by both the field laboratory and the fixed laboratory. Field and fixed duplicate pair results were evaluated for precision using criteria presented for non-aqueous matrices in USEPA's Region I data validation guidelines (USEPA Region I, 1996). Region I's RPD criterion is 50% for non-aqueous duplicate results that are greater than 2 times the quantitation limit. For results less than 2 times the quantitation limit, if the difference between the results was less than the quantitation limit, the results were deemed to have acceptable precision. This allows for evaluation of the results, taking into consideration the increased variability of data near the sample quantitation limit (USEPA Region I, 1996). For the field laboratory all but 11 of their 163 pairs of duplicate analyses met the RPD criterion.

A comparison of the sample and its duplicate for the early phase of the program (October 2001-February 2002) is presented in Figure 12 (field laboratory) and Figure 13 (fixed laboratory). Note that the precision achieved by the field laboratory was superior to that of the fixed laboratory (as seen by a higher R^2 , smaller y-intercept, and a slope closer to 1.0), although both laboratories performed well in this regard.

Figure 14 compares the sample result with its duplicate for the field laboratory for the later field deployment (May 2002-November 2002). Figure 15 does likewise for the fixed laboratory. Based on these figures and the regressions therein, it is clear that the precision of the field laboratory compares favorably with that of the fixed laboratory.

Figure 16 presents the RPD of the field duplicate analyses *versus* the average concentration for the pair (May 2002-November 2002). As expected, the magnitude of the RPD tends to increase at low concentrations. Figure 17 presents the equivalent information for the fixed laboratory.

In the figures above RPDs were allowed to be either positive or negative in order to evaluate data trends (e.g., if either the bonafide sample or its duplicate were consistently higher or lower). They were positive when the field sample result was greater than the duplicate result and negative when the field sample result was less than the duplicate result. For Figure 16, however, we present the mean of the absolute value of the RPDs (e.g., an RPD of -18% becomes 18%) for the duplicate analyses for both the

field laboratory and the fixed laboratory. Figure 18 again demonstrates that the precision of the field laboratory compares favorably with that of the fixed laboratory.

For the field laboratory, only a few pairs of duplicate samples exceeded the allowable RPD goal of 50%, and these exceedances were likely to be caused by sample heterogeneity. Likewise, for the fixed laboratory, only a few duplicate pairs exhibited RPDs greater than 50%.

3.3 Action Level Decisions

An important aspect of field chemistry programs relates to the reliability of real-time decisions based on field results. The performance of the field chemistry program with respect to the action level of 1.0 mg/kg was excellent in this regard. The fixed laboratory confirmed the field finding of < 1.0 mg/kg 198 times out of 201 (98.5%).

In the early phase of the program, the field results tended to be higher than the fixed laboratory results, especially for samples that had low percent solids. At the action level of 1.0 mg/kg, however, the accuracy of the field laboratory as determined by comparison to the fixed laboratory was excellent. There were no false negatives, *i.e.*, an incorrect determination of the absence of significant PCBs, from November 2001 through February 2002.

During the May 2002-November 2002 field deployment, for determinations near the action level of 1.0 mg/kg, the field laboratory again demonstrated excellent accuracy and performance. The 3 samples that were not confirmed to be less than 1 mg/kg by the fixed laboratory were found to have concentrations very close to 1.0 mg/kg (see Table 4). Moreover, the RPDs of these samples were well within RPD limits for split samples for these types of measurements.

3.4 Summary

Overall, the agreement between the results of the field laboratory and the fixed laboratory was excellent. This conclusion is based on the high correlations achieved in the regressions of field results *versus* fixed laboratory results; the near 100% accuracy in determining PCBs near the action level of 1.0 mg/kg; the high precision attained by the field laboratory; and the virtual absence of significant QA/QC issues in the field laboratory throughout the program.

4 References

- CHMM. 2000. Split Sampling Guideline for the Anniston PCB Site. Anniston, Calhoun County, Alabama. Prepared for USEPA Region IV. April 21.
- NHSRC. 1998. Northeast Hazardous Substance Research Center. Field-Based Site Characterization Technologies Short Course. Presented by USEPA Technology Innovation Office. On-Site Insights Workshop, Westborough, MA, March 30.
- U.S. Environmental Protection Agency (USEPA). 1995. "Field Analytical Screening Program: PCB Method." EPA/540/R-95/521. National Risk Management Research Laboratory (Cincinnati) and National Exposure Research Laboratory (Las Vegas), Office of Research and Development, USEPA. 37 p.
- USEPA. 1996. "Initiatives to Promote Innovative Technology in Waste Management Programs." OSWER Directive 9380.0-25. April 29.
- USEPA. 1997. SW 846.
- USEPA Region I. 1996. Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses. July, Revised December.
- USEPA Region IV. 1999. Data Validation Standard Operating Procedures for Contract Laboratory Program Routine Analytical Services. Revision 2.1. July.
- USEPA Region IV. 2000. Quality Assurance Project Plan for the Anniston PCB Site, Calhoun County, Aniston, Alabama. Region IV. January.
- Zar, J.H. 1984. *Biostatistical Analysis*. Prentice-Hall, Inc. Englewood Cliffs, NJ. 718pp.

Table 1
Comparison of All Field and Fixed Laboratory PCB (Aroclor 1260)
Results

Sample Name	Mobile #	Field Result (mg/kg) ^e	Paradigm Result (mg/kg) ^f	Relative % Difference
LPP-GP1-001	2584	105	58	57.7
LPP-GP5-003	2592	0.10	0.16	-46.2
LPP-GP9-001	2605	5.9	4.5	26.9
LPP-GP10-002	2609	0.10	0.18 U	-57.1
LPP-GP15-003	2624	1.6	0.32	133.3
OHP-GP1-001	2625	0.32	0.16 U	66.7
RFP-GP4-001	2645	0.10 U	0.17 U	-51.9
RFP-GP9-001	2661	0.10 U	0.23 U	-78.8
RFP-GP11-001	2667	37	4.7	154.9
RFP-GP15-001	2680	15	1.9	155.0
LLP-GP4-001	2692	60	7.5	155.6
LLP-GP5-001	2695	0.10 U	0.20 U	-66.7
RFP-GP23-001	2705	0.76	0.19 U	120.0
RFP-GP16-001	2712	51	5.4	161.7
RFP-GP19-001	2721	14	2.6	137.3
RFP-GP26-001	2736	14	0.48	186.7
RFP-GP28-001	2742	38	3.5	166.3
RFP-GP32-001	2754	52	6.1	158.0
RFP-GP35-001	2763	19	5	116.7
RFP-GP36-001	2766	11	6	58.8
LPP-GP20-002	2776	44	4	166.7
LPP-GP23-001	2778	1.0	0.61	48.4
HGP-GP3-001	2786	3.6	2.2	48.3
HGP-GP9-002	2795	0.10 U	0.21 U	-71.0
HGP-GP10-003	2798	0.10 U	0.20 U	-66.7
CSP-GP3-001	2811	0.71	0.21	108.7
CSP-GP3-003	2813	0.10 U	0.20 U	-66.7
CSP-GP9-003	2825	0.10 U	0.18 U	-57.1
CSP-GP10-001	2833	0.28	0.19 U	38.3
LPP-GP12-001	2840	3.5	0.49	150.9
BSP-GP4-001	2850	0.10 U	0.19 U	-62.1
RFP-GP18-004	2856	0.41	0.21 U	64.5
RFP-GP25-004	2860	2	0.26 U	154.0
RWP-GP2-001	2865	0.10 U	0.18 U	-57.1
RWP-GP3-001	2869	0.13	0.18 U	-32.3
RWP-GP4-001	2872	0.10 U	0.21 U	-71.0
CSP-GP12-001	2879	48	37	25.9
CSP-GP14-001	2884	32	22	37.0
LPP-GP20-004	2892	0.57	0.32 U	56.2
HGP-GP2-002	2893	4.6	39	-157.8
HGP-GP3-003	2894	0.67	0.29	79.2
OHP-GP4-004	2937	14	7.8	56.9
LPP-GP24-001	2939	110	74	39.1
LPP-GP25-001	2943	72	63	13.3
LPP-GP27-002	2950	3.3	1	107.0
LPP-GP30-002	2959	0.10 U	0.17 U	-51.9

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Sample Name	Mobile #	Field Result (mg/kg) ^e	Paradigm Result (mg/kg) ^f	Relative % Difference
LPP-GP32-001	2965	0.24	0.21 U	13.3
LPP-GP33-001	2968	5.7	1.2	130.4
HGP-GP14-001	2976	0.15	0.19 U	-23.5
HGP-GP17-001	2981	870	290	100.0
HGP-GP19-001	2986	0.15	0.18 U	-18.2
HGP-GP20-001	2989	0.14	0.24 U	-52.6
CSP-GP17-001	2997	0.33	0.19 U	53.8
FWP-GP1-002	3007	6.7	3.2	70.7
FWP-GP1-003	3008	0.93	0.47	65.7
LPP-GP29-004	3010	0.99	0.23 U	124.6
OHP-GP4-005	3012	0.10 U	0.26 U	-88.9
FWP-GP2-002	3015	0.48	0.18 U	90.9
FWP-GP4-003	3022	0.70	0.18 U	118.2
FWP-GP5-002	3024	6.4	2.2	97.7
FWP-GP7-002	3031	0.84	0.36	80.0
FWP-GP9-002	3037	0.49	0.19 U	88.2
FWP-GP12-001	3046	8.2	1.3	145.3
FWP-GP14-003	3053	1.3	0.59	75.1
FWP-GP15-002	3055	1.5	0.26	140.9
FWP-GP20-003	3066	0.33	0.19 U	53.8
FWP-GP22-002	3077	0.10 U	0.19 U	-62.1
FWP-GP24-001	3081	0.65	0.20 U	105.9
FWP-GP27-002	3090	0.10 U	0.21 U	-71.0
FWP-GP28-002	3093	4	0.20 U	181.0
FWP-GP30-002	3100	0.10 U	0.19 U	-62.1
FWP-GP32-002	3106	0.10 U	0.18 U	-57.1
FWP-GP37-001	3118	46	22	70.6
FWP-GP37-003	3120	3.4	0.71	130.9
FWP-GP14-004	3122	4.5	2.4	60.9
FWP-GP15-004	3123	6.6	0.98	148.3
HGP-GP22-001	3128	0.10 U	0.19 U	-62.1
HGP-GP24-001	3132	0.10 U	0.17 U	-51.9
HGP-GP28-001	3141	0.21	0.22 U	-4.7
HGP-GP35-001	3153	0.10 U	0.17 U	-51.9
HGP-GP36-001	3156	0.22	0.18 U	20.0
HGP-GP39-001	3162	0.10 U	0.18 U	-57.1
HGP-GP42-001	3170	0.10 U	0.18 U	-57.1
FWP-GP14-005	3173	0.10 U	0.28 U	-94.7
LPP-GP28-006	3177	0.10 U	0.17 U	-51.9
FWP-GP29-004	3181	0.56	0.31 U	57.5
FWP-GP35-002	3183	0.13	0.20 U	-42.4
FWP-GP35-003	3184	0.26	0.20 U	26.1
PWP-GP4-001	3197	3.2	0.18 U	178.7
PWP-GP6-003	3201	0.10 U	0.30 U	-100.0

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Results

Sample Name	Mobile #	Field Result (mg/kg) ^e	Paradigm Result (mg/kg) ^f	Relative % Difference
PWP-GP10-001	3208	0.10 U	0.21 U	-71.0
PWP-GP12-001	3212	0.10 U	0.41 U	-121.6
PWP-GP14-001	3215	0.11	0.2 U	-58.1
PWP-GP18-001	3220	0.10 U	0.21 U	-71.0
PWP-GP20-001	3226	3.2	0.68	129.9
PWP-GP24-001	3235	3.3	0.67	132.5
PWP-GP29-001	3242	0.11	0.21 U	-62.5
PWP-GP29-002	3243	0.10 U	0.19 U	-62.1
PWP-GP32-001	3248	0.10 U	0.4 U	-120.0
AWP-GP2-001	3257	0.16	0.19 U	-17.1
HP-GP2-001	3260	0.10 U	0.18 U	-57.1
HP-GP6-001	3269	0.10 U	0.19 U	-62.1
HP-GP8-001	3273	1.2	0.31	117.9
HP-GP12-001	3279	0.39	0.18 U	73.7
AWP-GP3-002	3283	0.10 U	0.18 U	-57.1
AWP-GP4-001	3286	2.3	0.24	162.2
KTP-GP1-001	3289	0.62	0.18 U	110.0
LPP-GP28-003	3294	0.10 U	0.19 U	-62.1
LPP-GP29-001	3295	0.20	0.19 U	5.1
LPP-GP31-003	3304	0.4	0.39	2.5
LPP-GP34-003	3313	0.10 U	0.23 U	-78.8
LPP-GP33-003	3310	0.25	0.18 U	32.6
LPP-GP36-001	3317	20	2.2	160.4
LPP-GP37-002	3322	2.4	1.1	74.3
LPP-GP38-003	3326	0.56	0.20 U	94.7
LPP-GP41-002	3335	3.6	0.56	146.2
LPP-GP43-002	3341	0.43	0.28	42.3
LPP-GP45-001	3346	15	6.4	80.4
LPP-GP46-002	3351	0.10 U	0.20 U	-66.7
LPP-GP50-001	3362	2.8	0.6	129.4
LPP-GP53-001	3371	0.54	0.24	76.9
LPP-GP54-002	3375	0.10 U	0.20 U	-66.7
LPP-GP57-001	3382	1.00	0.40	85.7
LPP-GP57-002	3383	0.10 U	0.17 U	-51.9
LPP-GP60-001	3392	0.76	0.22	110.2
LPP-GP62-002	3399	0.10 U	0.19 U	-62.1
LPP-GP37-004	3400	1.6	0.34	129.9
LPP-GP63-001	3403	0.99	0.29	109.4
LPP-GP64-002	3406	0.10 U	0.18 U	-57.1
LPP-GP67-001	3414	5.2	4.9	5.9
LPP-GP73-001	3429	24	35	-37.3
LPP-GP76-001	3436	2.9	2.0	36.7
LPP-GP78-001	3442	300	360	-18.2
LPP-GP83-001	3456	7.4	5.4	31.3
LPP-GP85-001	3462	1.8	1.6	11.8
FWP-GP40-001	3474	0.10 U	0.11 U	-9.5

Table 1
Comparison of All Field and Fixed Laboratory PCB (Aroclor 1260)
Results

Sample Name	Mobile #	Field Result (mg/kg) ^e	Paradigm Result (mg/kg) ^f	Relative % Difference
FWP-GP42-001	3480	0.51	0.65	-24.1
FWP-GP46-001	3493	42	78	-60.0
FWP-GP47-002	3497	0.10 U	0.092 U	8.3
SMP-GP2-001	3502	0.48	0.27	56.0
SMP-GP6-002	3516	7.6	4.5	51.2
SMP-GP6-003	3522	0.12	0.06 U	66.7
SMP-GP11-002	3530	0.29	0.21 U	32.0
SMP-GP12-001	3532	0.64	0.089	151.2
SMP-GP18-001	3551	0.38	0.057 U	147.8
SMP-GP19-001	3554	0.28	0.083 U	108.5
SMP-GP21-001	3560	1.4	0.47	99.5
SMP-GP23-002 ^b	3567	5.2	2.4	73.7
SMP-GP27-003 ^b	3579	74	43	53.0
WRP-GP1-001	3580	11	5.8	61.9
SMP-GP28-001	3583	0.58	0.22	90.0
WRP-GP3-001	3591	0.1 U	0.059 U	51.6
CSP-GP20-003	3600	0.1 U	0.067 U	39.5
CSP-GP22-002 ^c	3608	4.3	2.5	52.9
WRP-GP5-003	3613	0.15	0.1	40.0
RWP-GP6-001	3614	0.28	0.08 U	114.6
RDW-GP2-001	3621	0.1 U	0.07 U	35.3
SMP-GP30-001	3624	0.45	0.37	19.5
SMP-GP31-001	3628	0.11	0.076 U	36.6
BSP-GP5-002	3635	0.18	0.098	59.0
CSP-GP25-001	3640	0.1 U	0.082 U	19.8
CSP-GP26-001	3643	1.7	0.83	68.8
LPP-GP88-001	3653	2.6	0.83	103.2
LPP-GP89-001	3656	0.1 U	0.078 U	24.7
LPP-GP92-002	3667	0.1 U	0.066 U	41.0
LPP-GP94-001	3672A	6.9	3.4	68.0
LPP-GP96-002	3679	0.10 U	0.09 U	10.5
CSP-GP28-001	3681	24	9.6	85.7
CSP-GP29-001 ^c	3684	10	11	-9.5
WRP-GP7-002	3695	0.10 U	0.074 U	29.9
WRP-GP10-001	3704	0.10 U	0.075 U	28.6
WRP-GP13-002	3714	0.10 U	0.075 U	28.6
SMP-GP33-001	3719	0.10 U	0.078 U	24.7
PWP-GP37-001	3729	8.9	4.7	61.8
PWP-GP39-001	3734	8.3	4.9	51.5
PWP-GP43-001	3744	0.10 U	0.18 U	-57.1
WRP-GP16-001	3745	2.4	2	18.2
RDW-GP05-001	3758	0.10 U	0.11 U	-9.5
PWP-GP44-002	3762	0.1 U	0.13 U	-26.1
MSL-GP03-002	3772	7.4	11	-39.1
MSL-GP04-002	3775	0.10 U	0.10 U	0.0

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Sample Name	Mobile #	Field Result (mg/kg) ^e	Paradigm Result (mg/kg) ^f	Relative % Difference
MSL-GP05-002	3778	20	12	50.0
MSL-GP06-002	3781	0.10 U	0.11 U	-9.5
MSL-GP08-002	3786	0.77	0.38	67.8
MSL-GP15-001	3807	2.5	3.4	-30.5
MSL-GP19-001	3820	68	74	-8.5
MSL-GP21-002	3827	3.4	1.9	56.6
MSL-GP24-001	3835	3.8	1.5	86.8
MSL-GP29-001	3850	53	37	35.6
MSL-GP30-002	3854	49	21	80.0
MSL-GP31-001	3859	0.36	0.10 U	113.0
MSL-GP11-005 ^c	3863	170	98	53.7
MSL-GP10-005 ^c	3866	160	190	-17.1
MSL-GP12-006 ^c	3871	200	110	58.1
CNP-GP1-001	3875	1.7	1.0	51.9
MSL-GP16-006 ^c	3885	0.2	0.24	-18.2
MSL-GP19-006	3892	26	21	21.3
CNP-GP3-001	3896	18	19	-5.4
CNP-GP7-002	3910	24	22	8.7
CNP-GP12-001	3923	8.6	10	-15.1
CNP-GP13-001	3926	2.2	1.8	20.0
CNP-GP15-001	3936	9.6	9.7	-1.0
MSL-GP19-008	3973	0.10 U	0.10 U	0.0
CNP-GP18-001	3991	14	7.5	60.5
CNP-GP19-001	3993	16	8.6	60.2
CNP-GP21-002	4001	1.3	0.66	65.3
CNP-GP25-001	4013	8.7	9.1	-4.5
CNP-GP26-002	4017	0.24	0.33	-31.6
CNP-GP30-001	4027	5.8	3.6	46.8
CNP-GP33-002	4037	0.1 U	0.11 U	-9.5
CNP-GP35-002	4042	0.1	0.41	-121.6
CNP-GP39-003	4055	0.1 U	0.11 U	-9.5
CNP-GP42-002	4064	4.3	3.1	32.4
CNP-GP44-001	4069	2.9	2.4	18.9
CNP-GP49-001	4085	5.4	4	29.8
CNP-GP52-001	4094	3.9	3.4	13.7
CNP-GP54-001	4098	6.2	3.8	48.0
CNP-GP55-001	4100	35	33	5.9
CNP-GP60-001	4119	0.1 U	0.1 U	0.0
CNP-GP63-001	4129	16	9.5	51.0
CNP-GP66-001	4138	31.00	33.00	-6.3
CNP-GP73-001	4157	49	66	-29.6
CNP-GP75-003	4165	4.6	2.5	59.2
CNP-GP78-001	4173	18.0	18.0	0.0
CNP-GP81-001	4182	86	110	-24.5
CNP-GP86-002	4191	0.20	0.23	-14.0

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Comparison of All Field and Fixed Laboratory PCB (Aroclor 1260)
Results

Sample Name	Mobile #	Field Result (mg/kg) ^e	Paradigm Result (mg/kg) ^f	Relative % Difference
CNP-GP88-001	4195	2	1.4	35.3
CNP-GP88-002	4196	0.1 U	0.13 U	-26.1
CNP-GP92-003	4210	0.1 U	0.12 U	-18.2
CNP-GP95-001	4218	8.5	5.8	37.8
CNP-GP96-002	4222	0.10 U	0.12 U	-18.2
CNP-GP98-001	4228	4.8	2.5	63.0
CNP-GP103-001	4242	6.6	3	75.0
CNP-GP105-002	4250	5.4	2.8	63.4
CNP-GP108-003	4261	0.10 U	0.12 U	-18.2
CNP-GP114-001	4277	0.89	0.3	99.2
CNP-GP115-001	4278	0.88	0.46	62.7
CNP-GP119-003	4293	0.19	0.17	11.1
CNP-GP122-001	4300	0.29	0.26	10.9
CNP-GP78-004	4304	0.35	0.28	22.2
CNP-GP19-004	4312	0.10 U	0.12 U	-18.2
CNP-GP124-001	4326	2.6	3.5	-29.5
CNP-GP125-001	4330	31.0	31.0	0.0
CNP-GP129-001	4341	4.6	4.8	-4.3
CNP-GP130-002	4345	2.7	3.6	-28.6
CNP-GP135-001	4360	2.2	2	9.5
CNP-GP135-002	4361	4.4	3.4	25.6
CNP-GP139-001	4372	2.1	2.1	0.0
CNP-GP141-001	4379	3.2	2.9	9.8
CNP-GP143-001	4385	2	1.5	28.6
CNP-GP145-001	4391	1.2	1.6	-28.6
CNP-GP149-001	4404	0.71	0.66	7.3
CNP-GP151-001	4410	2.3	2.9	-23.1
CNP-GP154-001	4420	58	66	-12.9
CNP-GP156-001	4426	1.1	1.6	-37.0
CNP-GP157-001	4431	0.89	1.3	-37.4
CNP-GP161-002	4443	0.82	0.7	15.8
CNP-GP163-001	4448	0.69	1.1	-45.8
CNP-GP161-004	4461	0.10 U	0.12	-18.2
RFP-GP38-001	4462	0.10 U	0.10	0.0
CNP-GP167-002	4470	0.10 U	0.13 U	-26.1
CNP-GP168-002	4474	2.2	2.1	4.7
CNP-GP171-001	4482	4.8	3.8	23.3
CNP-GP176-001	4497	13	11	16.7
CNP-GP177-001	4500	3.2	2.5	24.6
CNP-GP179-001	4506	9.1	5.3	52.8
CNP-GP183-001	4518	3.8	2.4	45.2
CNP-GP185-001	4525	0.10 U	0.10 U	0.0
CNP-GP188-001	4534	0.10 U	0.10 U	0.0
CNP-GP191-001	4544	16	13	20.7
CNP-GP198-001	4555	4.2	4.3	-2.4
CNP-GP199-001	4558	3.2	2.9	9.8

Table 1
Comparison of All Field and Fixed Laboratory PCB (Aroclor 1260)
Results

Sample Name	Mobile #	Field Result (mg/kg) ^e	Paradigm Result (mg/kg) ^f	Relative % Difference
CNP-GP202-001	4566	6.5	5.9	9.7
CNP-GP204-001	4572	8.8	11	-22.2
CNP-GP207-001	4582	6.3	4.2	40.0
CNP-GP208-001	4586	13	5.8	76.6
CNP-GP214-001	4602	0.10 U	0.12 U	-18.2
CNP-GP219-001	4616	2.9	1.4	69.8
CNP-GP221-002	4620	0.14	0.14 U	0.0
CNP-GP227-001	4634	3	1.1	92.7
CNP-GP229-001	4639	0.10 U	0.11 U	-9.5
CNP-GP230-001	4641	3.8	1.7	76.4
CNP-GP234-001	4648	8.5	6.7	23.7
CNP-GP237-001	4653	7.5	2.9	88.5
CNP-GP241-001	4666	5.4	3	57.1
CNP-GP242-001	4669	1.7	1.6	6.1
CNP-GP246-002	4677	2	1.6	22.2
CNP-GP251-001	4688	0.62	1.4	-77.2
CNP-GP252-001	4690	4.1	3.1	27.8
CNP-GP245-002	4699	0.10 U	0.13 U	-26.1
CNP-GP251-003	4706	0.10 U	0.11 U	-9.5
CNP-GP254-001	4711	0.10 U	0.16 U	-46.2
CNP-GP193-003	4722	0.59	0.64	-8.1
RFP-GP13-004	4728	0.10 U	0.12 U	-18.2
CNP-GP52-004	4733	0.10 U	0.10 U	0.0
RFP-GP33-003	4735	0.6	0.5	13.8
HP-GP8-002	4743	0.10 U	0.12 U	-18.2
CSP-GP19-002	4745	0.22	0.12 U	58.8
RFP-GP30-005	4746	1.8	1.6	11.8
WRP-GP4-004	4748	0.96	0.12 U	155.6
CSP-GP6-005	4752	0.10	0.10 U	0.0
HGP-GP16-013	4758	3.7	10	-92.0
CSP-GP32-003	4761	0.10 U	0.10 U	0.0
WRP-GP18-001	4763	27	36	-28.6
CSP-GP34-001	4775	0.21	0.16	27.0
PWP-GP47-001	4781	0.12	0.14 U	-15.4
PWP-GP48-001	4784	0.17	0.44	-88.5
CNP-GP255-001	4786	0.47	0.34	32.1
KTP-GP2-001	4792	22	26	-16.7
FWP-GP48-001	4798	3.1	2	43.1
HP-GP13-001	4799	0.19	0.76	-120.0
SMP-GP34-001	4802	0.58	0.41	34.3
CSP-GP36-001	4806	2.4	1.7	34.1
HGP-GP44-001	4810	0.16	0.16	0.0
SMP-GP41-001	4817	1.9	0.93	68.6
CSP-GP42-001	4829	2.1	1.4	40.0
LPP-GP98-001	4833	0.60	0.55	8.7
LPP-GP103-001	4848	0.25	0.21	17.4

Table 1
Comparison of All Field and Fixed Laboratory PCB (Aroclor 1260)
Results

Sample Name	Mobile #	Field Result (mg/kg) ^e	Paradigm Result (mg/kg) ^f	Relative % Difference
LPP-GP103-003	4850	0.10 U	0.13 U	-26.1
LPP-GP104-001	4851	0.59	0.55	7.0
CSP-GP12-002	4868	0.10 U	0.12 U	-18.2
LPP-GP73-003	4876	0.26	0.42	-47.1
LPP-GP107-001	4878	2.3	1.9	19.0
LPP-GP63-002	4884	0.48	0.27	56.0
LPP-GP39-004	4903	0.10 U	0.11 U	-9.5
SMP-GP41-002	4906	0.10 U	0.11 U	-9.5
CSP-GP42-002	4910	0.10 U	0.10 U	0.0
HGP-GP2-003	4911	0.10 U	0.10 U	0.0
SMP-GP37-003	4913	24	18	28.6
LPP-GP37-005	4919	2.3	1.6	35.9
SMP-GP47-001	4922	0.16	0.14	13.3
CSP-GP44-001	4927	0.90	0.60	40.0
SMP-GP47-002	4929	0.10 U	0.12 U	-18.2
CSP-GP46-001	4938	8.7	9.6	-9.8
SMP-GP53-001	4944	0.10 U	0.12 U	-18.2
SMP-GP56-001	4954	0.46	0.67	-37.2
SMP-GP58-001	4960	0.10 U	0.11 U	-9.5
LGP-GP2-001	4969	0.10 U	0.13 U	-26.1
LGP-GP4-003	4977	0.10 U	0.10 U	0.0
LGP-GP15-001	4991	0.10 U	0.11 U	-9.5
LGP-GP17-001	4993	0.91	0.49	60.0
LGP-GP20-001	4997	0.10 U	0.12 U	-18.2
LGP-GP29-001	5008	67	74	-9.9
CNP-GP257-001	5011	0.10 U	0.11 U	-9.5
AHP-GP1-001	5012	0.10 U	0.13 U	-26.1
LGP-GP32-001	5013	0.10 U	0.12 U	-18.2
LGP-GP49-001	5031	0.10 U	0.12 U	-18.2
LGP-GP27-003	5033	1.9	1.6	17.1
LGP-GP30-003	5040	4.1	4.1	0.0
LGP-GP30-007	5048	2.2	2.2	0.0
SMP-GP60-001	5050	0.17	0.12 U	34.5
CSP-GP50-001	5052	0.43	0.24	56.7
SMP-GP52-002	5053	2.8	1.8	43.5
CSP-GP47-002	5056	0.15	0.12 U	22.2
LPP-GP125-001	5057	0.77	0.55	33.3
CSP-GP46-003	5060	5.5	3.6	41.8
CNP-GP258-001	5061	0.48	0.32	40.0
WRP-GP3-002	5067	0.33	0.25	27.6
CSP-GP36-002	5070	0.10 U	0.12 U	-18.2
LPP-GP3-002	5074	0.10 U	0.11 U	-9.5
LPP-GP4-003	5078	1.3	0.86	40.7
WRP-GP4-005	5079	2.1	1.8	15.4
SMP-GP52-003	5081	1.4	0.86	47.8
RFP-GP30-006	5084	0.10 U	0.12 U	-18.2

Table 1 Comparison of All Field and Fixed Laboratory PCB (Aroclor 1260) Results				
Sample Name	Mobile #	Field Result (mg/kg)^e	Paradigm Result (mg/kg)^f	Relative % Difference
LGP-GP30-008	5085	0.10 U	0.01 U	163.6
SMP-GP63-001	5095	12	7.6	44.9
SMP-GP66-001	5103	2.4	1.7	34.1
SMP-GP68-002	5111	0.43	0.15	96.6
SMP-GP69-003	51117	1.2	0.72	50.0
SMP-GP69-004	5119	0.39	0.23	51.6
RS-RB20005-005	R63	9.7	5.4	57.0

NOTES:

U - Not detected at the reported quantitation limit.

In cases where nondetects were reported by the labs, the Relative Percent Difference (RPD) was calculated using the detection limits.

a) Sample Dup 7/1/02 analyzed in triplicate and demonstrated variability; results were 6.1, 30, and 39 ug/kg respectively. The highest value was reported by the field

b) These field samples appear to have been "switched"; SMP-GP23-002 was originally reported as 74 mg/kg, and SMP-GP27-003 was 5.2 mg/kg. The table reflects the correct results. According to Paradigm, the soil in jar SMP-GP27-003 looks quite similar to that of Dup 5/16/2002, and the soil in jar SMP-GP23-002 doesn't look like Dup 5/16/2002 or SMP-GP27-003. Therefore, it appears there may have been a switch in the field. The duplicate of SMP-GP23-002 is also assumed to be the duplicate of SMP-GP27-003 based on the analytical results. These records have been revised accordingly.

c) These samples were reanalyzed. The Paradigm result reported here is the reanalysis result. The reanalysis demonstrated much better precision.

d) This sample was reanalyzed. The reanalysis result was also nondetected. There is no explanation for the discrepancy.

e) Results expressed on an 'as received' basis.

f) Results expressed on a dry weight basis.

Table 2 Comparison of PCB (Aroclor 1260) Results between Sample and Duplicate Pair									
Sample Name	Field Duplicate	Mobile #	Duplicate Mobile #	Field Result (mg/kg) ^e	Duplicate Field Result (mg/kg) ^e	Relative % Difference, Field Results	Paradigm Result (mg/kg) ^f	Paradigm Result (mg/kg) ^f	Relative % Difference, Paradigm Results
LPP-GP1-001	Dup 11/18/2001	2584	2595	105.0	89.0	16.5	58	110	-61.9
LPP-GP10-002	Dup 11/19/2001	2609	2615	0.10	0.10 U	0.0	0.18 U	0.16 U	11.8
OHP-GP1-001	Dup 11/20/2001	2625	2631	0.32	0.4	-17.1	0.16 U	0.18 U	-11.8
RFP-GP4-001	Dup 11/30/2001	2645	2648	0.10 U	0.10 U	0.0	0.17 U	0.18 U	-5.7
RFP-GP9-001	Dup 12/01/2001	2661	2670	0.10 U	0.10 U	0.0	0.23 U	0.20 U	14.0
LLP-GP4-001	Dup 12/02/2001	2692	2704	60.0	55.0	8.7	7.5	5.7	27.3
RFP-GP26-001	Dup 12/05/2001	2736	2748	14.0	14.0	0.0	0.48	1.4	-97.9
RFP-GP32-001	Dup 12/06/2001	2754	2757	52.0	46.0	12.2	6.1	5.8	5.0
LPP-GP20-002	Dup 12/11/2001	2776	2802	44.0	35.0	22.8	4	2.00	66.7
LPP-GP23-001	Dup 12/12/2001	2778	2779	1.0	1.0	0.0	0.61	0.61	0.0
HGP-GP10-003	Dup 12/14/2001	2798	2799	0.10 U	0.10 U	0.0	0.2 U	0.18 U	10.5
CSP-GP3-003	Dup 12/15/2001	2813	2814	0.10 U	0.10 U	0.0	0.2 U	0.20 U	0.0
CSP-GP9-003	Dup 12/16/2001	2825	2829	0.10 U	0.10 U	0.0	0.18 U	0.20 U	-10.5
CSP-GP10-001	Dup 12/17/2001	2833	2836	0.28	0.32	-13.3	0.19 U	0.19 U	0.0
BSP-GP4-001	Dup 12/18/2001	2850	2853	0.10 U	0.10 U	0.0	0.19 U	0.18 U	5.4
RFP-GP18-004	Dup 12/19/2001	2856	2859	0.41	0.32	24.7	0.21 U	0.20 U	4.9
RWP-GP2-001	Dup 12/20/2001	2865	2868	0.10 U	0.12	-18.2	0.18 U	0.18 U	0.0
CSP-GP12-001	Dup 01/03/2002	2879	2889	48.0	49.0	-2.1	37	33	11.4
HGP-GP3-003	Dup 01/04/2002	2894	2895	0.67	1.0	-39.5	0.29	0.37	-24.2
OHP-GP4-004	Dup 01/07/2002	2937	2938	14.0	8.0	54.5	7.8	7.2	8.0
LPP-GP25-001	Dup 01/08/2002	2943	2945	72.0	78.0	-8.0	63	54	15.4
LPP-GP32-001	Dup 01/09/2002	2965	2964	0.24	0.18	28.6	0.21 U	0.24 U	-13.3
HGP-GP20-001	Dup 01/10/2002	2990	2985	0.14	0.10 U	33.3	0.24	0.20 U	18.2
FWP-GP1-003	Dup 01/11/2002	3008	3003	0.93	2.2	-81.2	0.47	1.4	-99.5
FWP-GP5-002	Dup 01/12/2002	3024	3026	6.4	6.6	-3.1	2.2	0.66	107.7
FWP-GP7-002	Dup 01/13/2002	3031	3039	0.84	1.3	-43.0	0.36	0.18 U	66.7
FWP-GP14-003	Dup 01/14/2002	3053	3060	1.3	1.4	-7.4	0.59	0.20 U	98.7
FWP-GP27-002	Dup 01/15/2002	3090	3098	0.10 U	0.10 U	0.0	0.21 U	0.29 U	-32.0
FWP-GP37-001	Dup 01/16/2002	3118	3121	46.0	51.0	-10.3	22	13	51.4
FWP-GP15-004	Dup 01/17/2002	3123	3127	6.6	5.6	16.4	0.98	1	-2.0
HGP-GP22-001	Dup 01/23/2002	3128	3134	0.10 U	0.10 U	0.0	0.19 U	0.18 U	5.4
HGP-GP35-001	Dup 01/24/2002	3153	3159	0.10 U	0.10 U	0.0	0.17 U	0.17 U	0.0

Table 2

Comparison of PCB (Aroclor 1260) Results between Sample and Duplicate Pair

Sample Name	Field Duplicate	Mobile #	Duplicate Mobile #	Field Result (mg/kg) ^e	Duplicate Field Result (mg/kg) ^e	Relative % Difference, Field Results	Paradigm Result (mg/kg) ^f	Relative % Difference, Paradigm Results
LPP-GP28-006	Dup 01/25/2002	3177	3178	0.10 U	0.10 U	0.0	0.17 U	0.0
FWP-GP35-002	Dup 01/26/2002	3183	3187	0.13	0.10 U	26.1	0.20 U	5.1
PWP-GP12-001	Dup 01/27/2002	3212	3213	0.10 U	0.10 U	0.0	0.41 U	10.3
PWP-GP14-001	Dup 01/28/2002	3215	3223	0.11	0.10 U	9.5	0.20 U	-22.2
PWP-GP32-001	Dup 01/29/2002	3248	3253	0.10 U	0.10 U	0.0	0.40 U	38.8
HP-GP6-001	Dup 01/30/2002	3269	3275	0.10 U	0.10 U	0.0	0.19 U	5.4
AWP-GP3-002	Dup 01/31/2002	3283	3285	0.10 U	0.10 U	0.0	0.18 U	-10.5
LPP-GP28-003	Dup 02/08/2002	3294	3298	0.10 U	0.10 U	0.0	0.19 U	5.4
LPP-GP34-003	Dup 02/09/2002	3313	3320	0.10 U	0.10 U	0.0	0.23 U	14.0
LPP-GP38-003	Dup 02/10/2002	3326	3333	0.56	1.3	-79.6	0.20 U	-9.5
LPP-GP43-002	Dup 02/11/2002	3341	3349	0.43	0.70	-47.8	0.28	15.4
LPP-GP54-002	Dup 02/12/2002	3375	3377	0.10 U	0.10 U	0.0	0.20 U	-9.5
LPP-GP57-002	Dup 02/13/2002	3383	3388	0.10 U	0.10 U	0.0	0.17 U	-64.0
LPP-GP63-001	Dup 02/14/2002	3403	3404	1.0	1.0	3.1	0.29	41.7
LPP-GP67-001	Dup 5/09/2002	3414	3423	5.2	5.6	-7.4	4.9	2.1
LPP-GP78-001	Dup 5/10/2002	3442	3452	300	320.0	-6.5	360	-13.0
FWP-GP42-001	Dup 5/11/2002	3480	3483	0.51	0.10 U	134.4	0.65	148.1
FWP-GP47-002	Dup 5/13/2002	3497	3498	0.10 U	0.10 U	0.00	0.092 U	9.1
SMP-GP2-001	Dup 5/14/2002	3502	3508	0.48	0.50	-4.08	0.27	29.8
SMP-GP12-001	Dup 5/15/2002	3532	3547	0.64	0.69	-7.5	0.089	-152.5
SMP-GP27-003 ^b	Dup 5/16/2002	3579	3572	74.0	56.0	27.7	43	45.7
WRP-GP1-001	Dup 5/17/02	3580	3586	11.0	16.0	-37.0	5.8	0.0
WRP-GP3-001	Dup 5/21/2002	3591	3592	0.10 U	0.10 U	0.00	0.059 U	-25.2
CSP-GP22-002 ^c	Dup 5/22/2002 ^c	3608	3610	4.3	3.9	9.8	2.5	-30.5
SMP-GP30-001	Dup 5/23/2002	3624	3627	0.45	0.10 U	127.3	0.37	-140.1
SMP-GP31-001	Dup 5/24/2002	3628	3633	0.11	0.10	9.5	0.076 U	-3.9
CSP-GP26-001	Dup 5/25/2002	3643	3646	1.7	1.9	-11.1	0.83	-18.6
LPP-GP89-001	Dup 5/27/2002	3656	3662	0.10 U	0.10 U	0.00	0.078 U	-1.3
LPP-GP92-002	Dup 5/28/2002	3667	3672	0.10 U	0.10 U	0.00	0.066 U	-4.4
CSP-GP29-001 ^c	Dup 5/29/2002 ^d	3684	3687	10.0	8.6	15.1	11	197.2
WRP-GP7-002	Dup 5/30/2002	3695	3703	0.10 U	0.10 U	0.00	0.074 U	8.5

Table 2 Comparison of PCB (Aroclor 1260) Results between Sample and Duplicate Pair									
Sample Name	Field Duplicate	Mobile #	Duplicate Mobile #	Field Result (mg/kg) ^e	Duplicate Field Result (mg/kg) ^e	Relative % Difference, Field Results	Paradigm Result (mg/kg) ^f	Relative % Difference, Paradigm Results	
SMP-GP33-001	Dup 5/31/2002	3719	3722	0.10 U	0.10 U	0.0	0.078 U	0.077	
PWP-GP37-001	Dup 6/4/2002	3729	3733	8.9	8.6	3.4	4.7	3.8	
WRP-GP16-001	Dup 6/5/2002	3745	3751	2.4	2.1	13.3	2	1.4	
PWP-GP44-002	Dup 6/6/2002	3762	3766	0.10 U	0.10 U	0.0	0.13 U	0.13 U	
MSL-GP08-002	Dup 6/7/2002	3786	3791	0.77	0.10 U	154.0	0.38	0.1 U	
MSL-GP15-001	Dup 6/8/2002	3807	3816	2.5	3.1	-21.4	3.4	6.9	
MSL-GP24-001	Dup 6/9/2002	3835	3841	3.8	4.1	-7.6	1.5	2.2	
MSL-GP31-001	Dup 6/11/02	3859	3860	0.36	0.25	36.1	0.1 U	0.1 U	
MSL-GP11-005 ^c	Dup 6/13/02 ^c	3863	3868	170.0	170.0	0.0	98	120	
CNP-GP1-001	Dup 6/14/02	3875	3878	1.7	1.9	-11.1	1	1.2	
KEP-PEX-002	Dup 6/19/02	E2	E4	0.10 U	0.10 U	0.0	0.12 U	0.11 U	
KEP-PEX-005	Dup 6/20/02	E6	E8	0.47	0.41	13.6	0.39	0.37	
MSL-GP16-006 ^c	Dup 6/22/02 ^c	3885	3886	0.20	0.21	-4.9	0.24	0.23	
CNP-GP3-001	Dup 6/23/02	3896	3902	18.0	18.0	0.0	19	19	
CNP-GP13-001	Dup 6/24/02	3926	3932	2.2	2.1	4.7	1.8	1.9	
MSL-GP19-008	Dup 6/28/02	3973	3975	0.10 U	0.10 U	0.0	0.10 U	0.098 U	
KEP-BH1-002	Dup 7/1/02 ^a	E13	E17	3.2	39.0	-169.7	4.1	29	
KEP-PEX-010	Dup 7/2/02	E18	E20	0.10 U	0.10 U	0.0	0.12 U	0.12 U	
CNP-GP19-001	Dup 7/9/02	3993	3996	16.0	14.0	13.3	8.6	7.3	
CNP-GP21-002	Dup 7/11/02	4001	4009	1.3	1.1	16.7	0.66	1.2	
CNP-GP35-002	Dup 7/13/02	4042	4048	0.10	0.24	-82.4	0.41	0.22	
KEP-PEX-013	DUP 7/12/02	E22	E25	0.10 U	0.10 U	0.0	0.11	0.11 U	
CNP-GP44-001	Dup 7/14/02	4069	4075	2.9	2.9	0.0	2.4	2.9	
CNP-GP54-001	Dup 7/15/02	4098	4103	6.2	5.8	6.7	3.8	4.2	
CNP-GP60-001	Dup 7/23/02	4119	4122	0.10 U	0.10 U	0.0	0.10 U	0.10 U	
RS-RB20005-005	Dup 7/24/02	R63	R64A	9.7	5.8	50.3	5.4	6.1	
CNP-GP73-001	Dup 7/25/02	4157	4169	49.0	54.0	-9.7	66	97	
CNP-GP81-001	Dup 7/26/02	4182	4187	86.0	100.0	-15.1	110	130	
CNP-GP88-002	Dup 7/27/02	4196	4204	0.10 U	0.10 U	0.0	0.13 U	0.13 U	
CNP-GP92-003	Dup 7/29/02	4210	4214	0.10 U	0.10 U	0.0	0.12 U	0.13 U	
CNP-GP96-002	Dup 7/30/02	4222	4224	0.10 U	0.10 U	0.0	0.12 U	0.12 U	

Table 2 Comparison of PCB (Aroclor 1260) Results between Sample and Duplicate Pair									
Sample Name	Field Duplicate	Mobile #	Duplicate Mobile #	Field Result (mg/kg) ^e	Duplicate Field Result (mg/kg) ^e	Relative % Difference, Field Results	Paradigm Result (mg/kg) ^f	Paradigm Result (mg/kg) ^f	Relative % Difference, Paradigm Results
CNP-GP98-001	Dup 7/31/02	4228	4248	4.8	4.6	4.3	2.5	3.3	-27.6
CNP-GP105-002	Dup 8/1/02	4250	4258	5.4	6.2	-13.8	2.8	3	-6.9
CNP-GP108-003	Dup 8/2/02	4261	4267	0.10 U	0.10 U	0.0	0.12 U	0.11 U	8.7
CNP-GP115-001	Dup 8/6/02	4278	4284	0.9	1.0	-12.8	0.46	0.87	-61.7
CNP-GP78-004	Dup 8/7/02	4304	4307	0.35	0.24	37.3	0.28	0.21	28.6
CNP-GP19-004	Dup 8/8/02	4312	4314	0.10 U	0.10 U	0.0	0.12 U	0.12 U	0.0
CNP-GP124-001	Dup 8/9/02	4326	4329	2.6	3.2	-20.7	3.5	4.4	-22.8
CNP-GP129-001	Dup 8/10/02	4341	4353	4.6	3.8	19.0	4.8	4.5	6.5
CNP-GP135-001	Dup 8/12/02	4360	4368	2.2	2.3	-4.4	2	3.6	-57.1
CNP-GP139-001	Dup 8/13/02	4372	4378	2.1	1.8	15.4	2.1	1.9	10.0
CNP-GP143-001	Dup 8/14/02	4385	4394	2.0	1.8	10.5	1.5	3.3	-75.0
CNP-GP151-001	Dup 8/15/02	4410	4416	2.3	2.3	0.0	2.9	2.9	0.0
CNP-GP156-001	Dup 8/16/02	4426	4429	1.1	1.1	0.00	1.6	1.3	20.7
KEP-PEX-053	Dup 8/19/02	E89	E94	8.1	6.8	17.4	6.3	4.4	35.5
CNP-GP157-001	Dup 8/22/02	4431	4434	0.9	1.0	-11.6	1.3	0.91	35.3
CNP-GP163-001	Dup 8/23/02	4448	4457	0.69	0.60	14.0	1.1	0.87	23.4
CNP-GP167-002	Dup 9/4/02	4470	4472	0.10 U	0.10 U	0.0	0.13 U	0.14 U	-7.4
CNP-GP171-001	Dup 9/05/02	4482	4489	4.8	4.0	18.2	3.8	3.5	8.2
CNP-GP177-001	Dup 9/06/02	4500	4503	3.2	3.5	-9.0	2.5	3.2	-24.6
CNP-GP183-001	Dup 9/9/02	4518	4521	3.8	6.8	-56.6	2.4	2.5	-4.1
CNP-GP188-001	Dup 9/10/02	4534	4537	0.10 U	0.10 U	0.00	0.10 U	0.10 U	0.0
CNP-GP198-001	Dup 9/11/02	4555	4557	4.2	3.9	7.4	4.3	4.3	0.0
CNP-GP199-001	Dup 9/12/02	4558	4565	3.2	3.0	6.5	2.9	2.9	0.0
CNP-GP204-001	Dup 9/14/02	4572	4575	8.8	8.8	0.00	11	11	0.0
CNP-GP207-001	Dup 9/16/02	4582	4585	6.3	6.6	-4.7	4.2	4.1	2.4
CNP-GP214-001	Dup 9/17/02	4602	4605	0.10 U	0.10 U	0.0	0.12 U	0.11 U	8.7
CNP-GP221-002	Dup 9/18/02	4620	4626	0.14	0.12	15.4	0.14 U	0.13 U	7.4
CNP-GP230-001	Dup 9/19/02	4641	4642	3.8	3.5	8.2	1.7	2.1	-21.1
CNP-GP237-001	Dup 9/21/02	4653	4656	7.5	8.0	-6.5	2.9	2.4	18.9
CNP-GP242-001	Dup 9/23/02	4669	4671	1.7	1.6	6.1	1.6	1	46.2
CNP-GP246-002	Dup 9/24/02	4677	4680	2.0	1.8	10.5	1.6	1.8	-11.8
CNP-GP252-001	Dup 9/27/02	4690	4693	4.1	4.1	0.00	3.1	3.5	-12.1

Table 2 Comparison of PCB (Aroclor 1260) Results between Sample and Duplicate Pair									
Sample Name	Field Duplicate	Mobile #	Duplicate Mobile #	Field Result (mg/kg) ^e	Duplicate Field Result (mg/kg) ^e	Relative % Difference, Field Results	Paradigm Result (mg/kg) ^f	Paradigm Result (mg/kg) ^f	Relative % Difference, Paradigm Results
CNP-GP245-002	Dup 9/28/02	4699	4701	0.10 U	0.10 U	0.00	0.13 U	0.11 U	16.7
CNP-GP251-003	Dup 9/30/02	4706	4707	0.10 U	0.10 U	0.00	0.11 U	0.12 U	-8.7
CNP-GP254-001	Dup 10/01/02	4711	4716	0.10 U	0.10 U	0.00	0.16 U	0.14 U	13.3
CNP-GP193-003	Dup 10/2/02	4722	4723	0.59	0.53	10.7	0.64	0.56	13.3
RFP-GP13-004	Dup 10/08/02	4728	4729	0.10 U	0.10 U	0.0	0.12 U	0.11 U	8.7
RFP-GP33-003	Dup 10/09/02	4735	4736	0.62	0.9	-35.8	0.54	1.7	-103.6
HP-GP8-002	Dup 10/10/02	4743	4744	0.10 U	0.10 U	0.00	0.12 U	0.12 U	0.0
CSP-GP6-005	Dup 10/11/02	4752	4753	0.10	0.10 U	0.0	0.10 U	0.11 U	-9.5
CSP-GP32-003	Dup 10/12/02	4761	4762	0.10 U	0.10 U	0.00	0.10 U	0.12 U	-18.2
CNP-GP255-001	Dup 10/15/02	4786	4785	0.47	0.41	13.6	0.34	0.4	-16.2
SMP-GP34-001	Dup 10/16/02	4802	4805	0.58	0.50	14.8	0.41	0.44	-7.1
KEP-PEX-066	DupB 10/17/02	E117	E118	0.10 U	0.10 U	0.00	0.11 U	0.17	-42.9
SMP-GP41-001	DupA 10/17/02	4817	4821	1.9	1.9	0.00	0.93	0.95	-2.1
LPP-GP104-001	Dup 10/18/02	4851	4854	0.59	0.49	18.5	0.55	0.30	58.8
LPP-GP73-003	Dup 10/19/02	4876	4877	0.26	0.27	-3.8	0.42	0.29	36.6
LPP-GP63-002	Dup 10/21/02	4884	4885	0.48	0.43	11.0	0.27	0.26	3.8
LPP-GP39-004	Dup 10/22/02	4903	4904	0.10 U	0.10 U	0.00	0.11 U	0.096 U	13.6
SMP-GP41-002	Dup 10/23/02	4906	4909	0.10 U	0.10 U	0.0	0.11 U	0.098 U	11.5
SMP-GP37-003	Dup 10/24/02	4913	4914	24.0	26.0	-8.0	18	14	25.0
SMP-GP47-001	Dup 10/25/02	4922	4925	0.16	0.14	13.3	0.14	0.15	-6.9
SMP-GP47-002	Dup 10/29/02	4929	4931	0.10 U	0.10 U	0.00	0.12 U	0.12 U	0.0
SMP-GP53-001	Dup 10/30/02	4944	4947	0.10 U	0.10 U	0.00	0.12 U	0.13 U	-8.0
KEP-PEX-088	DupB 10/31/02	E142	E141	20.0	20.0	0.00	20	14	35.3
LGP-GP4-003	DupA 10/31/02	4977	4981	0.10 U	0.10 U	0.0	0.1 U	0.12 U	-18.2
KEP-PEX-096	DupB 11/01/02	E151	E150	0.25	0.10	85.7	0.12 U	0.11 U	8.7
LGP-GP20-001	DupA 11/01/02	4997	5000	0.10 U	0.10 U	0.0	0.12 U	0.14 U	-15.4
LGP-GP32-001	Dup 11/02/02	5013	5016	0.10 U	0.10 U	0.0	0.12 U	0.12 U	0.0

Table 2
Comparison of PCB (Aroclor 1260) Results between Sample and Duplicate Pair

Sample Name	Field Duplicate	Mobile #	Duplicate Mobile #	Field Result (mg/kg) ^e	Duplicate Field Result (mg/kg) ^e	Relative % Difference, Field Results	Paradigm Result (mg/kg) ^f	Paradigm Result (mg/kg) ^f	Relative % Difference, Paradigm Results
LGP-GP27-003	Dup 11/4/02	5033	5034	1.9	1.7	11.1	1.6	1.5	6.5
LGP-GP30-007	Dup 11/5/02	5048	5049	2.2	2.6	-16.7	2.2	2.5	-12.8
CSP-GP47-002	Dup 11/07/02	5056	5054	0.15	0.15	0.0	0.12 U	0.11 U	8.7
LPP-GP125-001	Dup 11/08/02	5057	5059	0.77	0.9	-16.7	0.55	0.64	-15.1
KEP-PEX-119	Dup 11/09/02	E243	E251	0.10 U	0.10 U	0.00	0.11 U	0.11 U	0.0
CNP-GP258-001	Dup 11/11/02	5061	5065	0.48	0.49	-2.1	0.32	0.29	9.8
WRP-GP3-002	Dup 11/12/02	5067	5068	0.33	0.36	-8.7	0.25	0.26	-3.9
SMP-GP52-003	Dup 11/13/02	5081	5082	1.4	1.5	-6.9	0.86	1	-15.1
SMP-GP63-001	Dup 11/14/02	5095	5096	12.0	12.0	0.0	7.6	5	41.3
SMP-GP69-004	Dup 11/15/02	5119	5120	0.39	0.30	26.1	0.23	0.33	-35.7

Notes:

U - Not detected at the reported quantitation limit.

In cases where nondetects were reported by the labs, the Relative Percent Difference (RPD) was calculated using the detection limits.

a) Sample Dup 7/1/02 analyzed in triplicate and demonstrated variability; results were 6.1, 30, and 39 ug/kg respectively. The highest value was reported by the field laboratory.

b) These field samples appear to have been "switched"; SMP-GP23-002 was originally reported as 74 mg/kg, and SMP-GP27-003 was 5.2 mg/kg. The table reflects the correct results. According to Paradigm, the soil in jar SMP-GP27-003 looks quite similar to that of Dup 5/16/2002, and the soil in jar SMP-GP23-002 doesn't look like Dup 5/16/2002 or SMP-GP27-003. Therefore, it appears there may have been a switch in the field. The duplicate of SMP-GP23-002 is also assumed to be the duplicate of SMP-GP27-003 based on the analytical results. These records have been revised accordingly.

c) These samples were reanalyzed. The Paradigm result reported here is the reanalysis result. The reanalysis demonstrated much better precision.

d) This sample was reanalyzed. The reanalysis result was also nondetected. There is no explanation for the discrepancy.

e) Results expressed on an 'as received' basis.

f) Results expressed on a dry weight basis.

Table 3 Comparison of Number of Samples Reported by Field and Confirmed by Paradigm for PCB (Aroclor 1260) Concentrations < 1 mg/kg and ≥1mg/kg		
PCB (Aroclor 1260) Field Result	# Reported by Field	# Confirmed By Paradigm
<1mg/kg	201	198
≥1 mg/kg	170	143

Table 4				
Samples Detected by Field < 1mg/kg and Paradigm ≥1mg/kg				
Sample Name	Mobile #	PCB (Aroclor 1260) Field Result (mg/kg) ^a	PCB (Aroclor 1260) Paradigm Result (mg/kg) ^b	Relative % Difference
CNP-GP157-001	4431	0.89	1.3	-37.4
CNP-GP163-001	4448	0.69	1.1	-45.8
CNP-GP251-001	4688	0.62	1.4	-77.2

Notes:

- a) Results expressed on an 'as received' basis.
- b) Results expressed on a dry weight basis.

Figure 1
Comparison of Paradigm and Field PCB (Aroclor 1260) Results (Nov. 2001 - Feb. 2002)

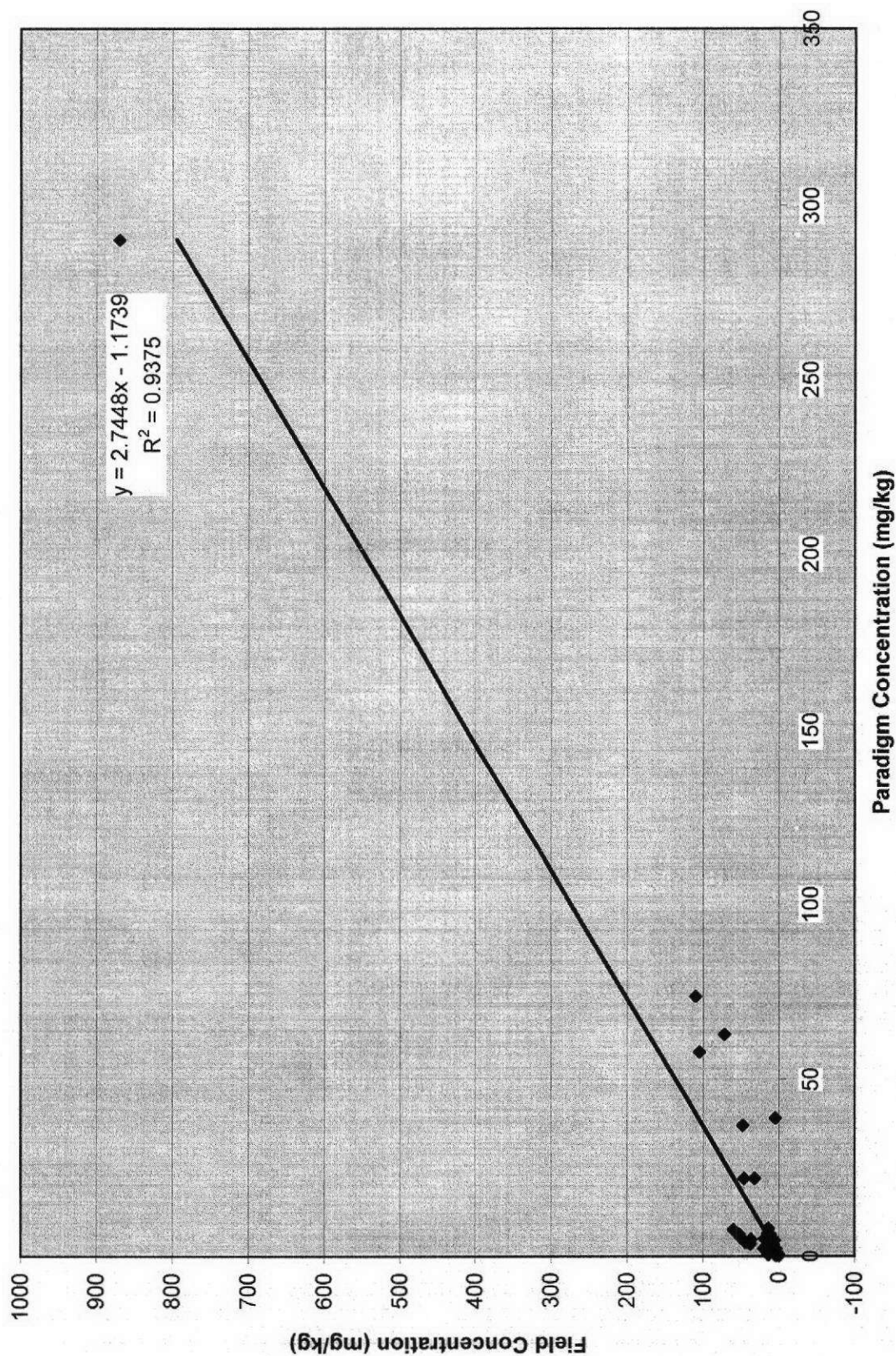


Figure 2
Comparison of Paradigm and Field PCB (Aroclor 1260) Results (May - Nov. 2002)

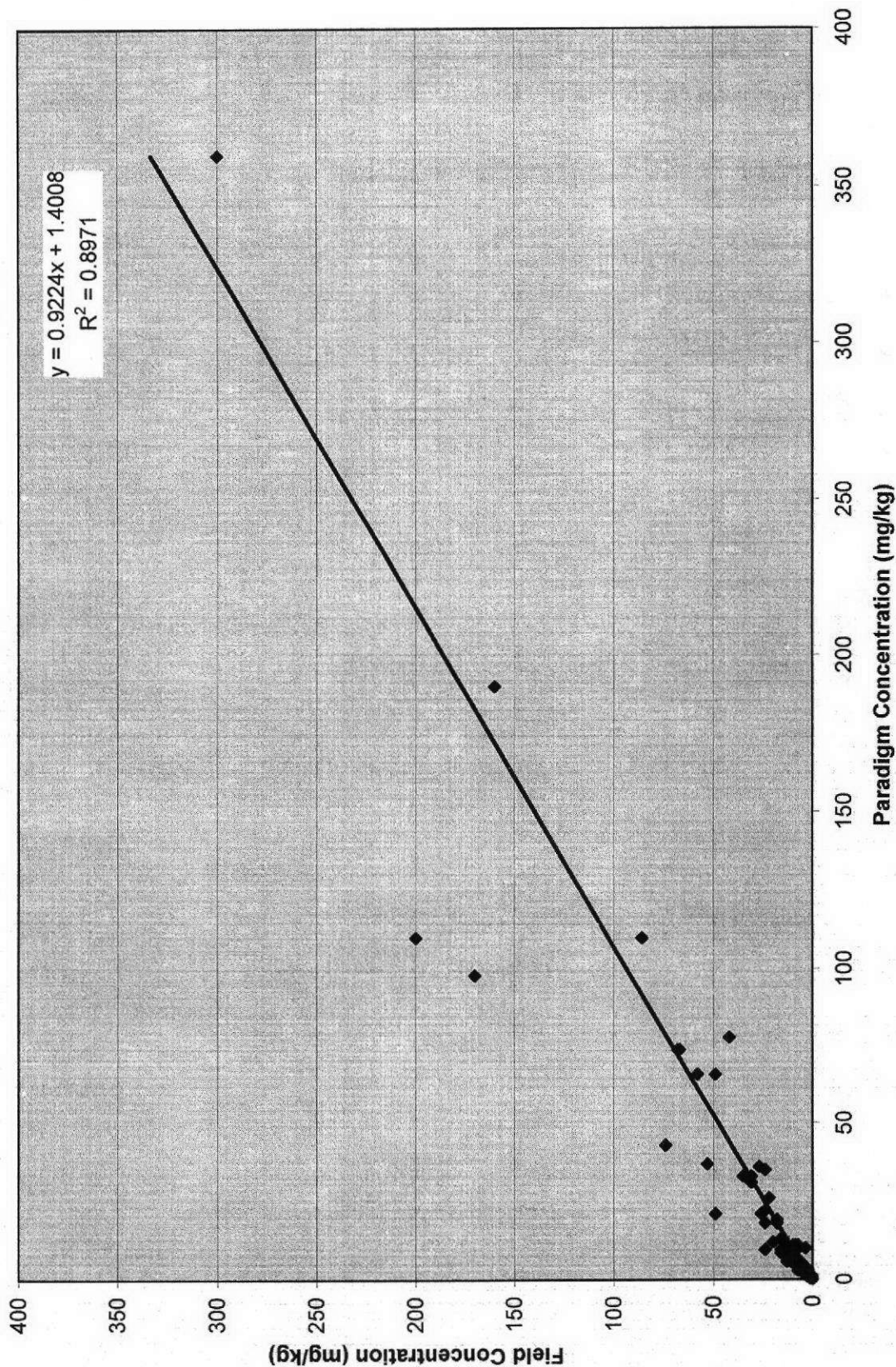


Figure 3
Comparison of Paradigm and Field PCB (Aroclor 1260) Results for May 2002

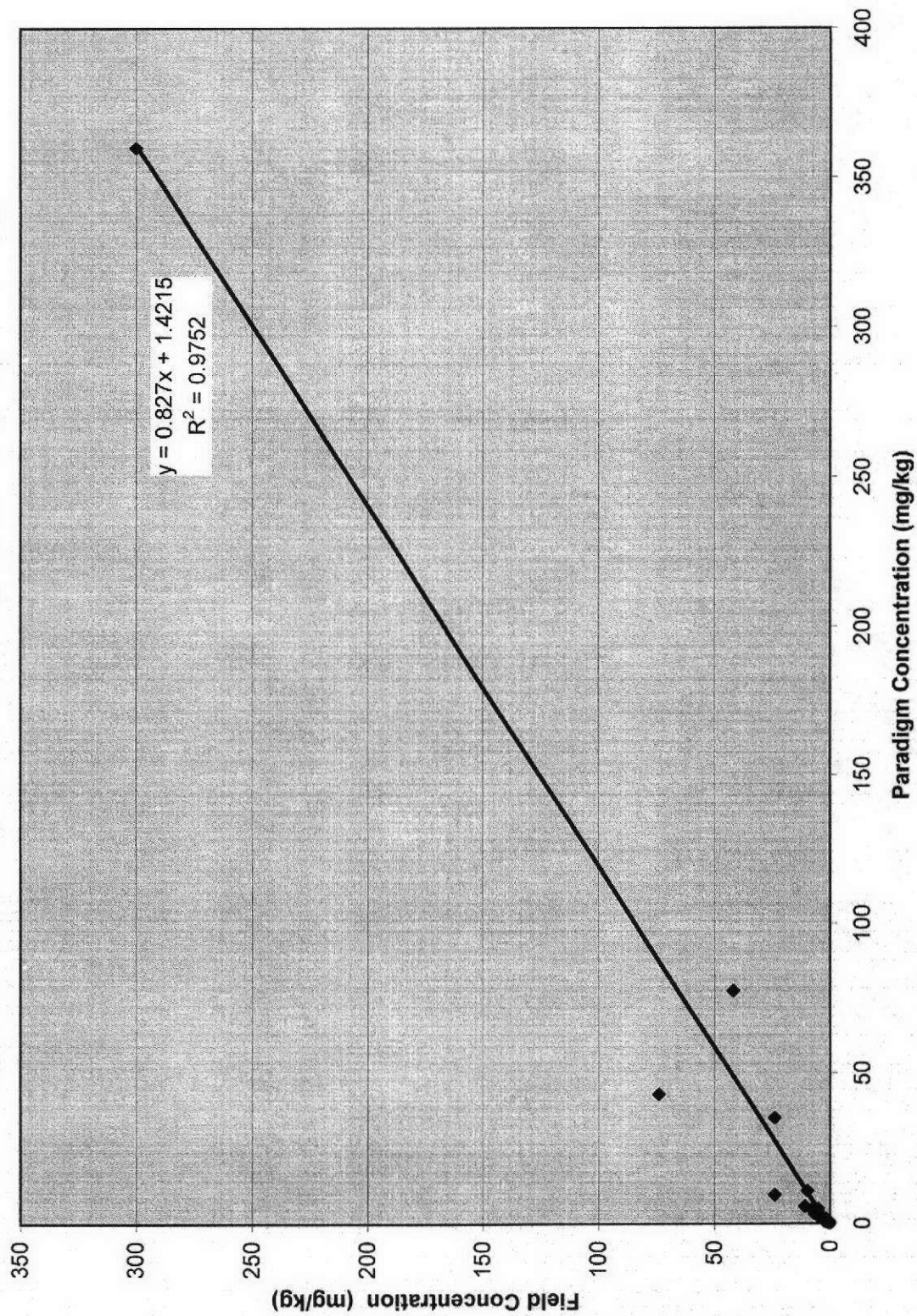


Figure 4
Comparison of Paradigm and Field PCB (Aroclor 1260) Results for June 2002

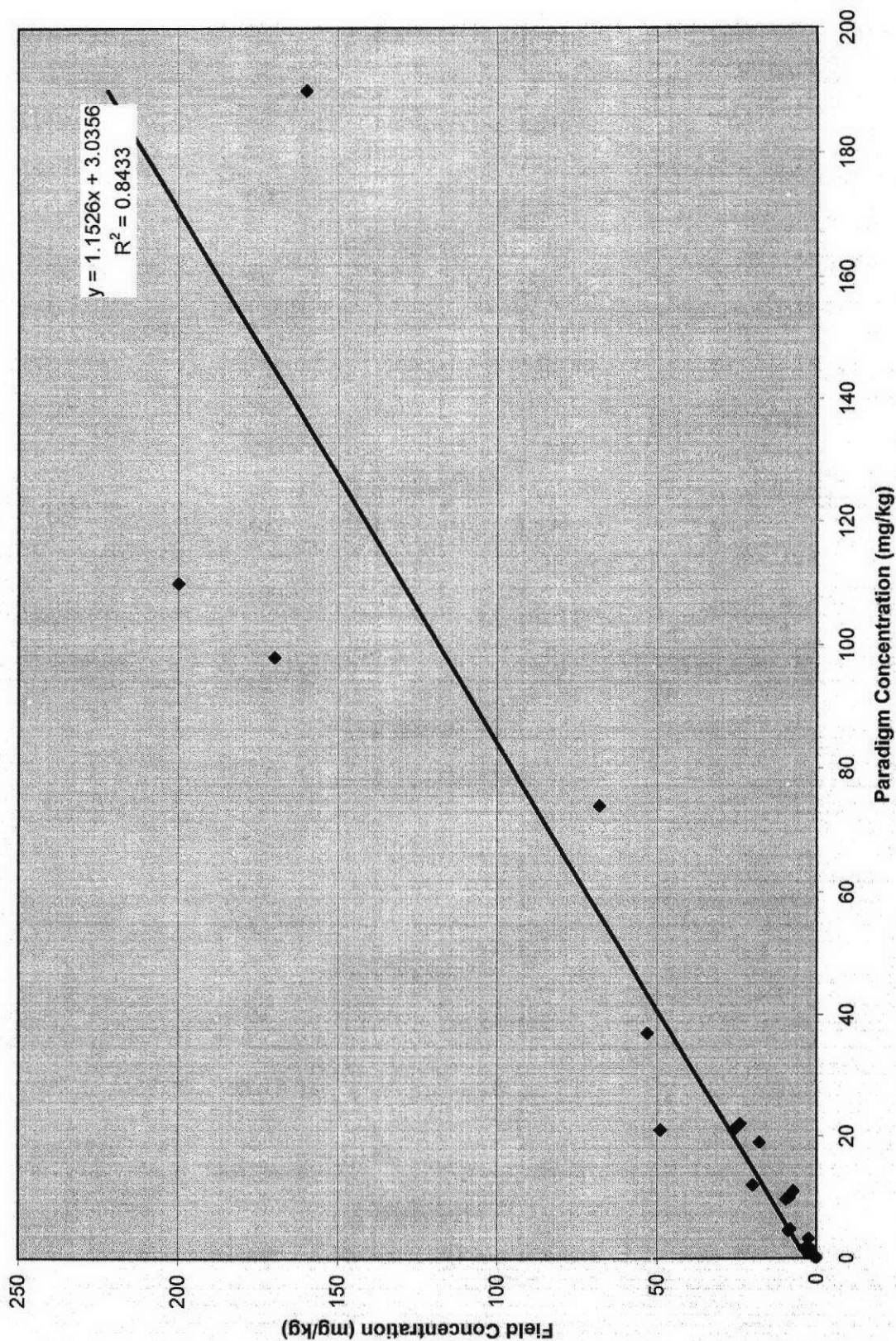


Figure 5
Comparison of Paradigm and Field PCB (Aroclor 1260) Results for July 2002

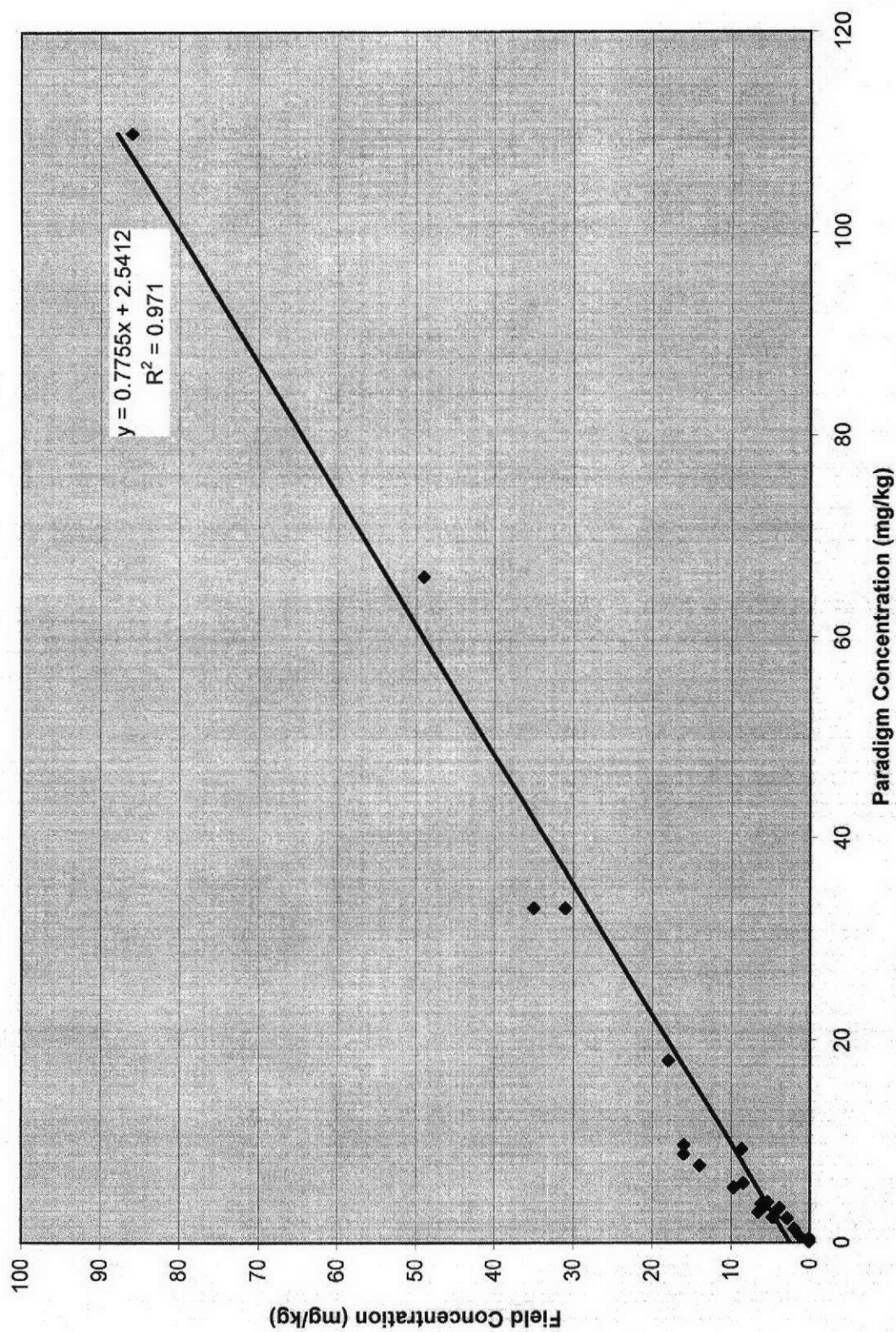


Figure 6
Comparison of Paradigm and Field PCB (Aroclor 1260) Results for August 2002

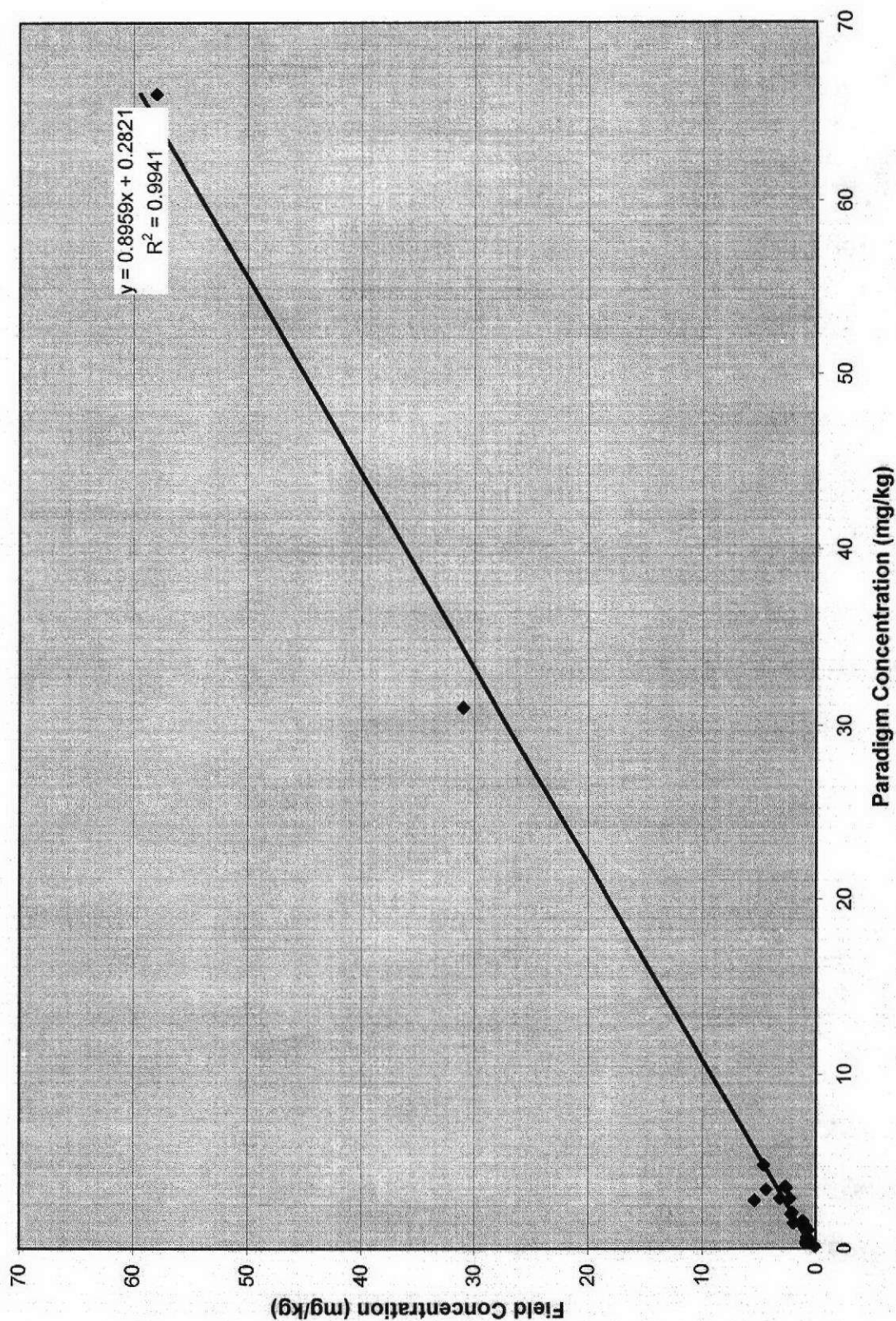


Figure 7
Comparison of Paradigm and Field PCB (Aroclor 1260) Results for September 2002

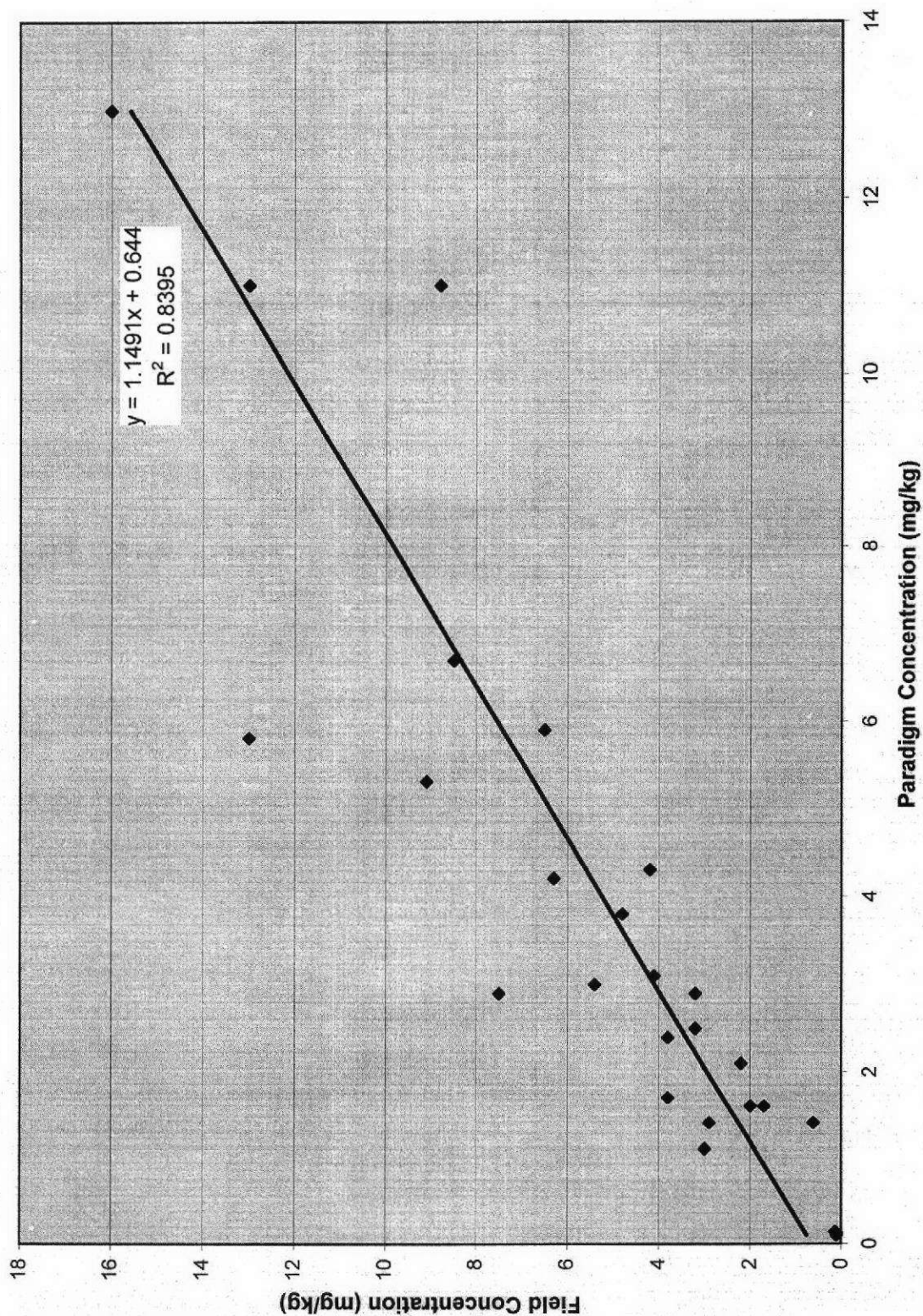


Figure 8
Comparison of Paradigm and Field PCB (Aroclor 1260) Results for October 2002

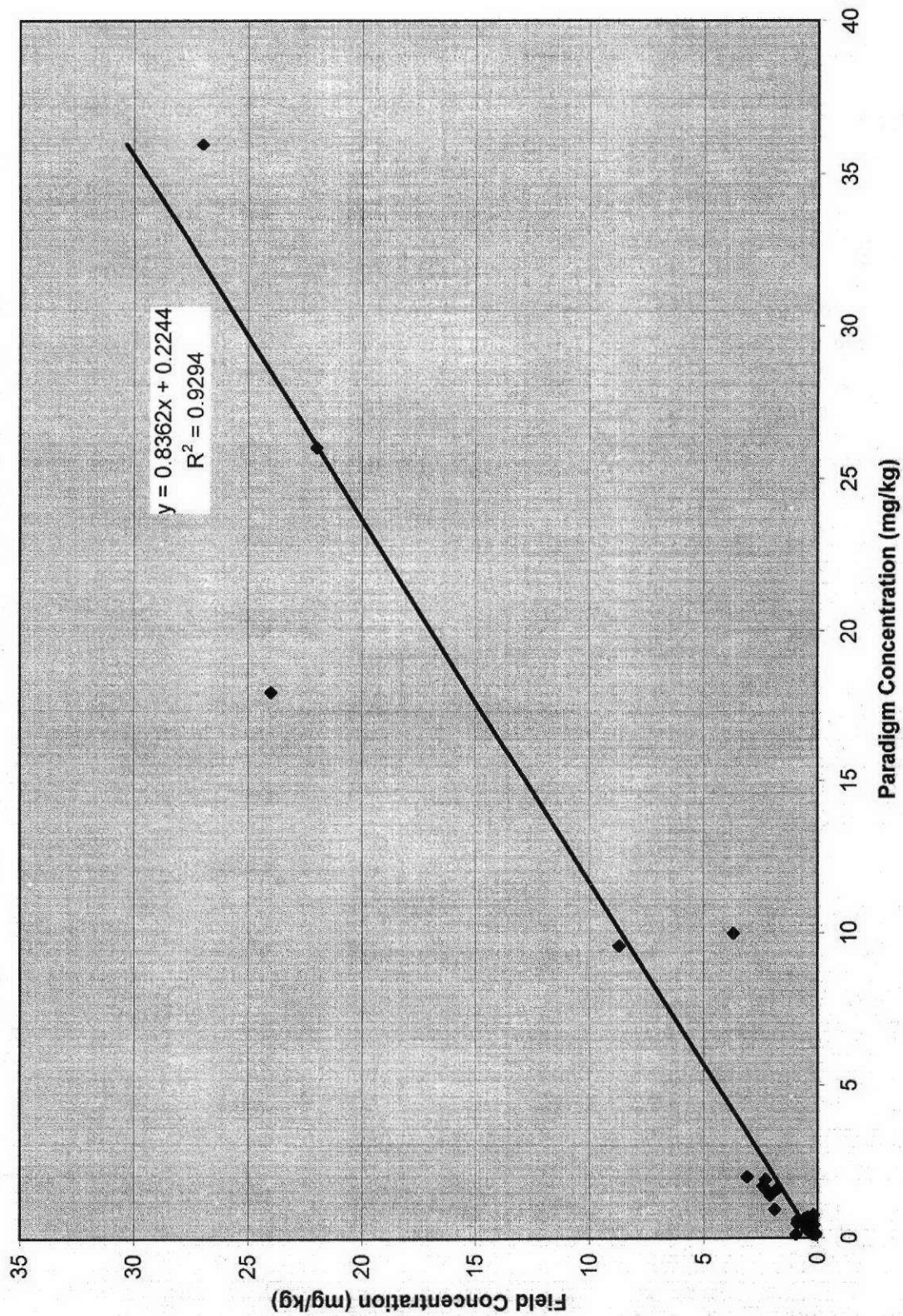


Figure 9
Comparison of Paradigm and Field PCB (Aroclor 1260) Results for November 2002

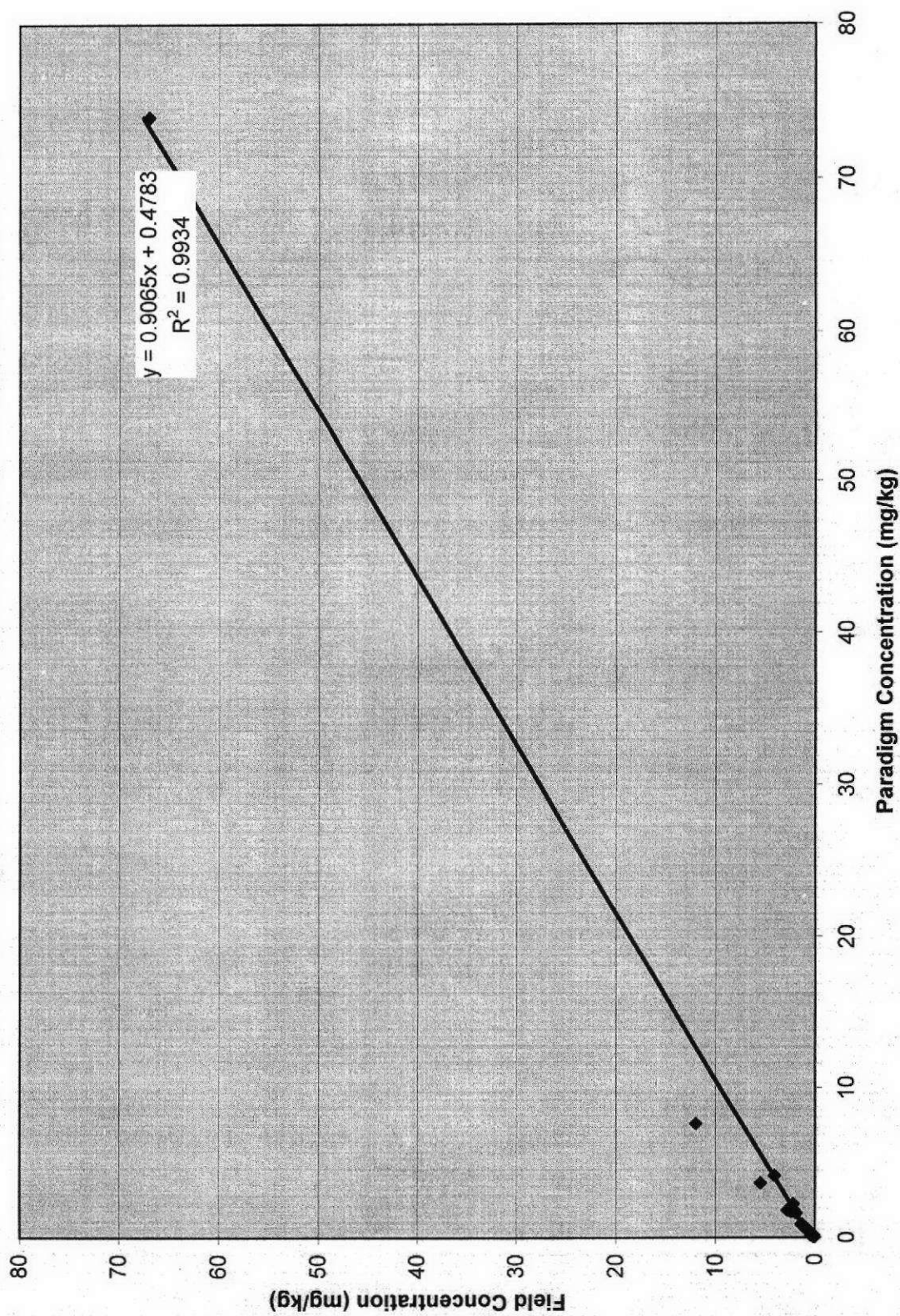


Figure 10
Comparison of Relative % Difference and Paradigm PCB (Aroclor 1260) Concentration (May - Nov. 2002)

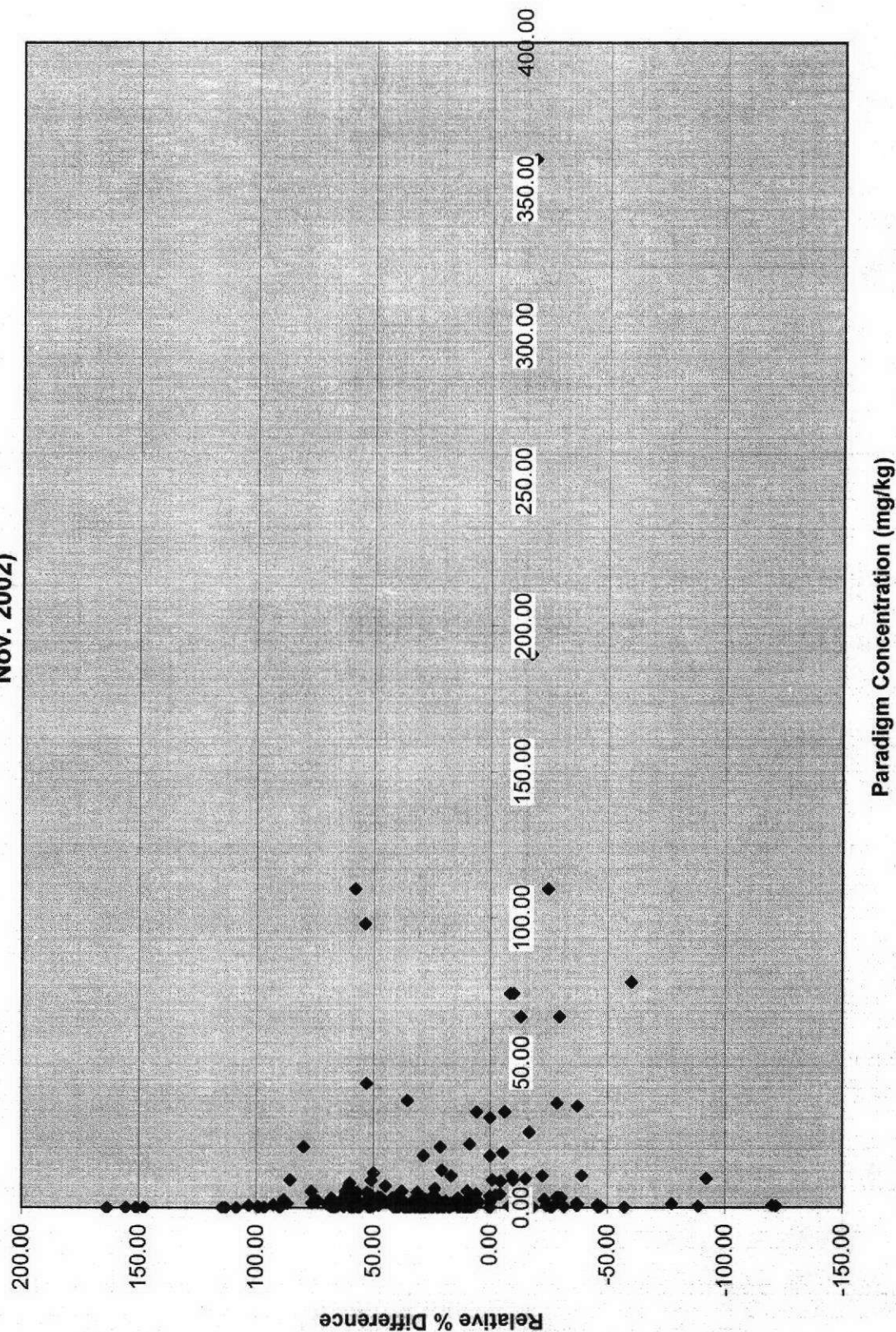


Figure 11
Comparison of Median Absolute Value of Relative % Difference by PCB (Aroclor 1260)
Concentration Ranges (May - Nov 2002)

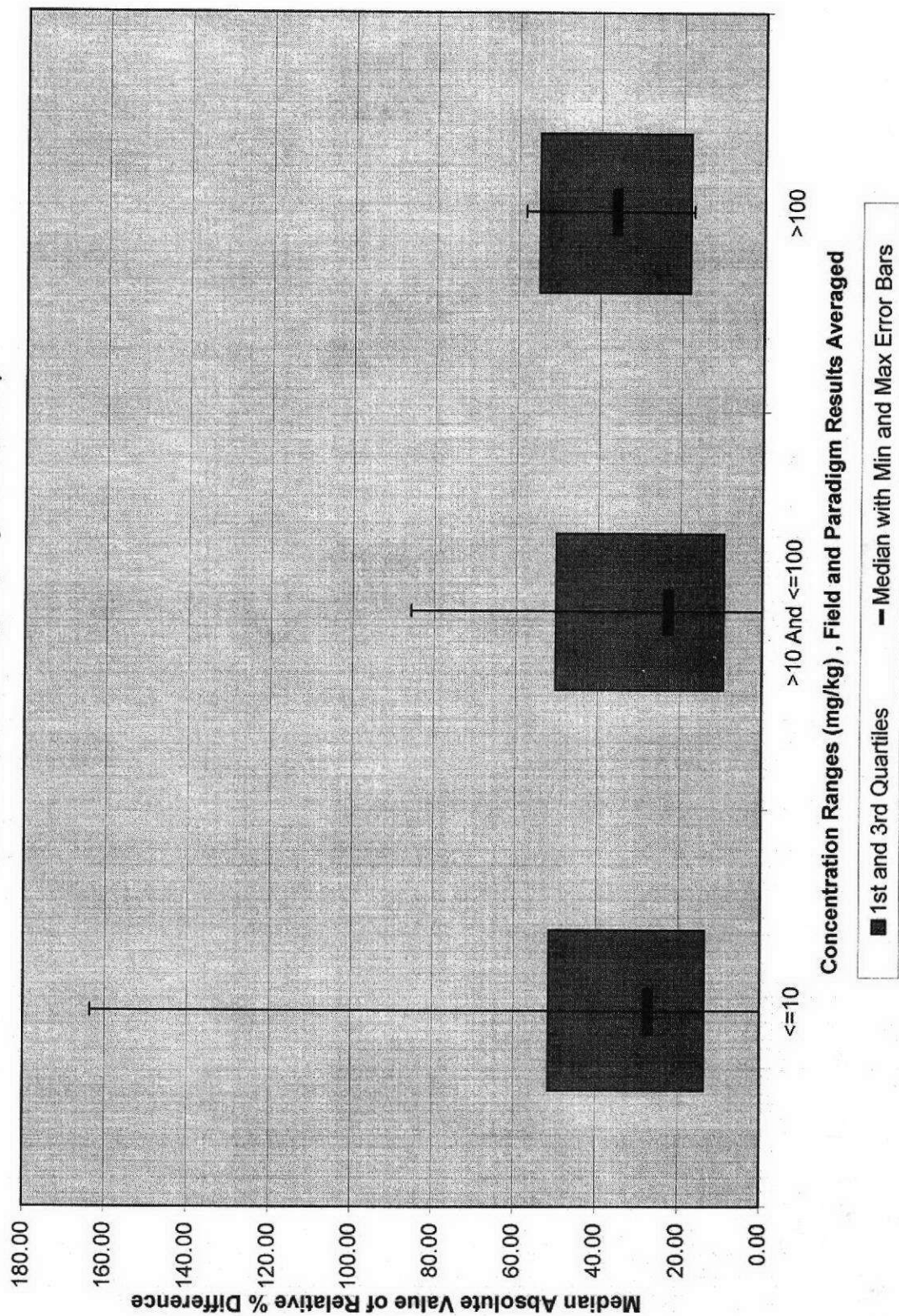


Figure 12
Comparison of Sample and Duplicate Pair PCB (Aroclor 1260) Results, Field Lab
(Nov. 2001 - Feb. 2002)

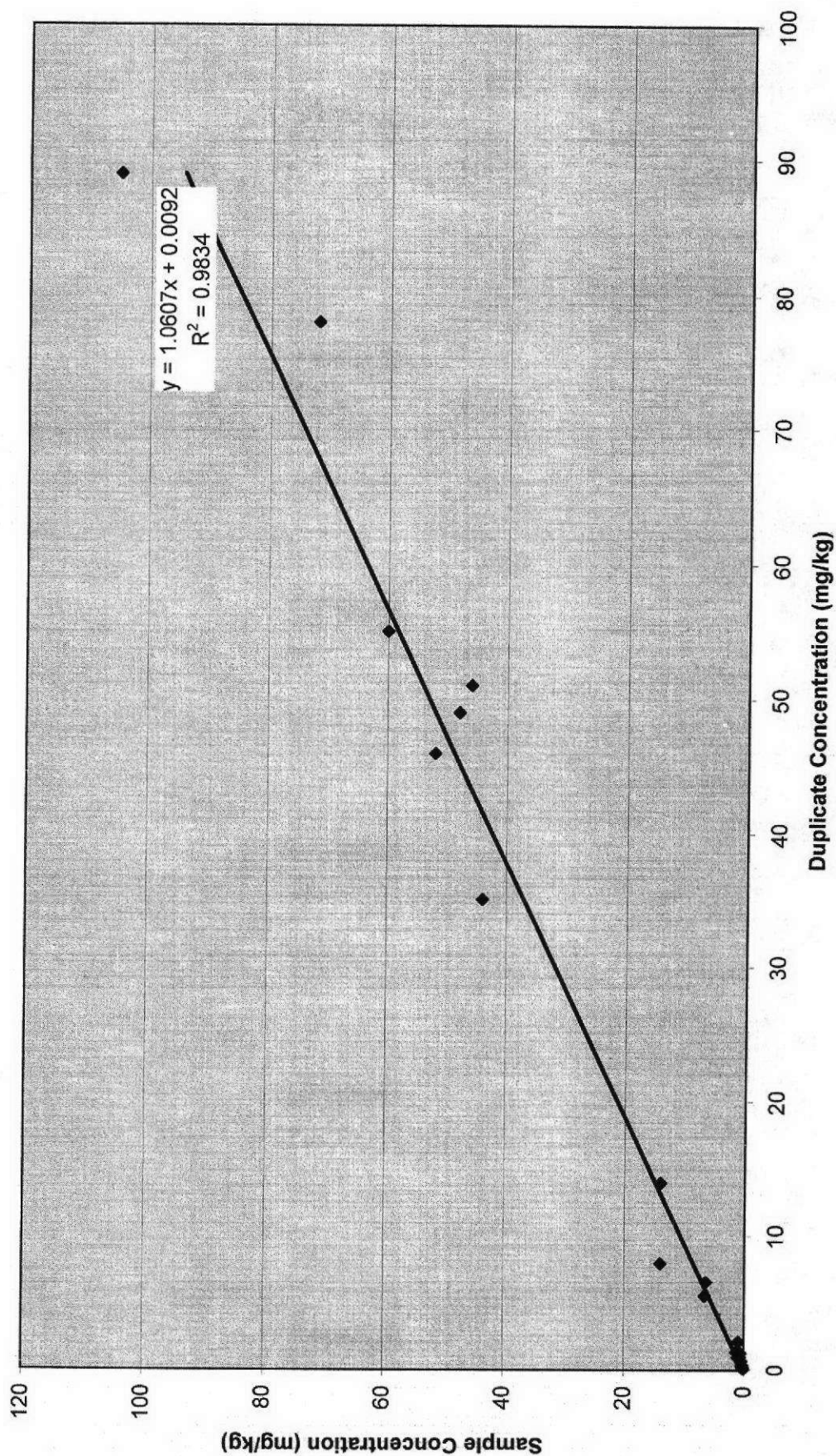


Figure 13
Comparison of Sample and Duplicate Pair PCB (Aroclor 1260) Results, Paradigm Results
(Nov. 2001 - Feb. 2002)

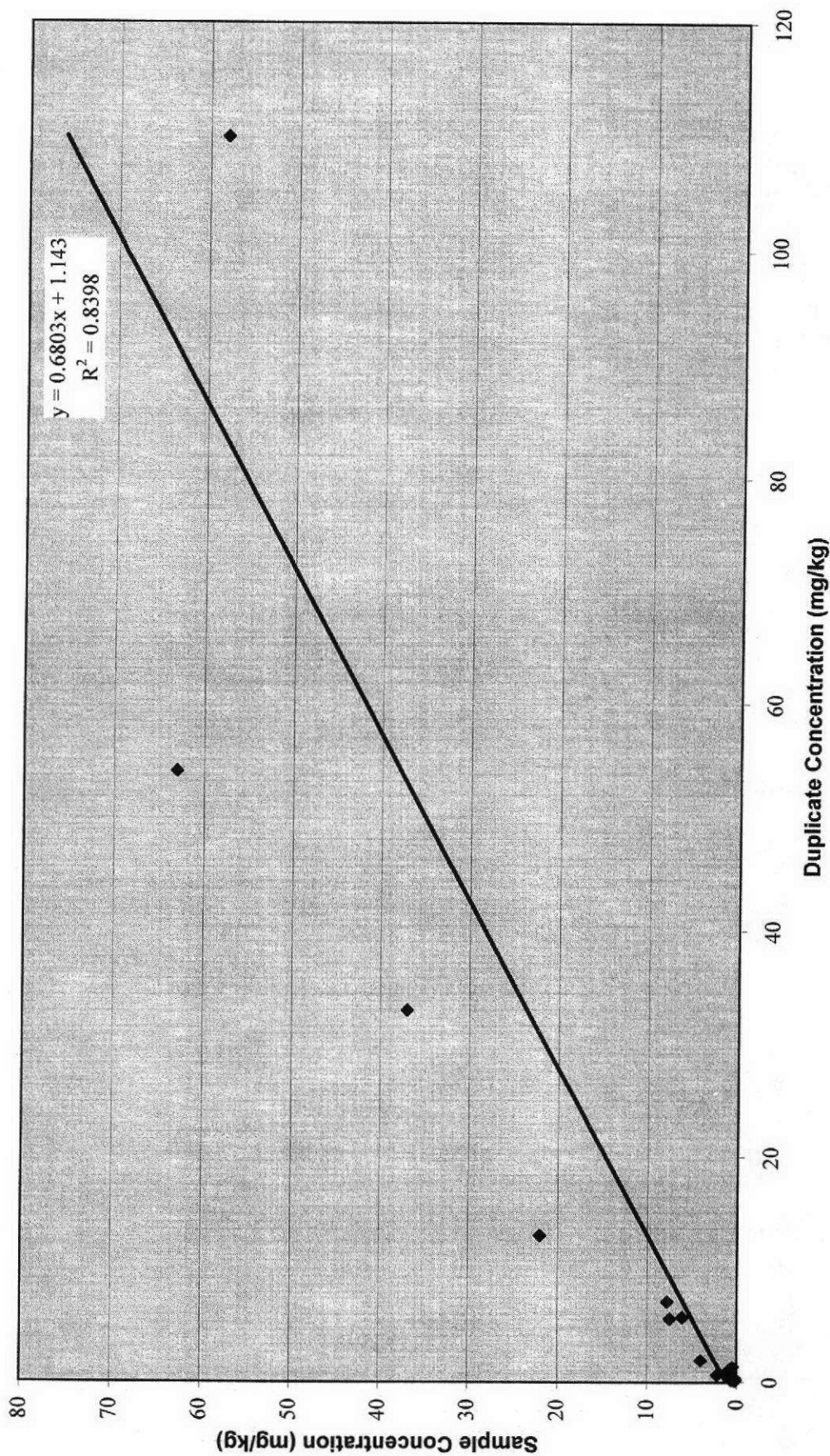


Figure 14
Comparison of Sample and Duplicate Pair PCB (Aroclor 1260) Concentrations, Field Lab
(May - Nov. 2002)

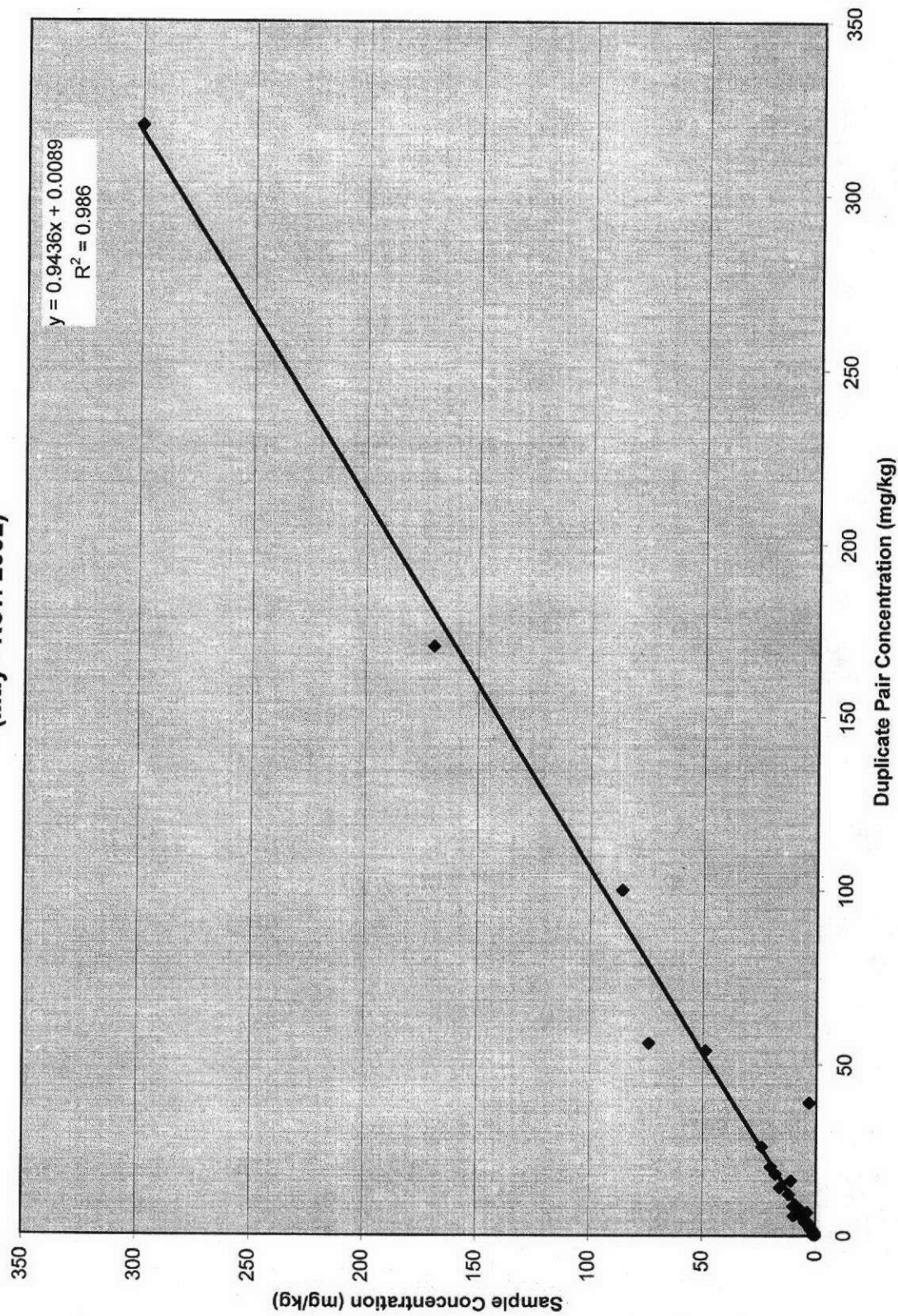


Figure 15
Comparison of Sample and Duplicate Pair PCB (Aroclor 1260) Concentrations, Paradigm
Results (May - Nov. 2002)

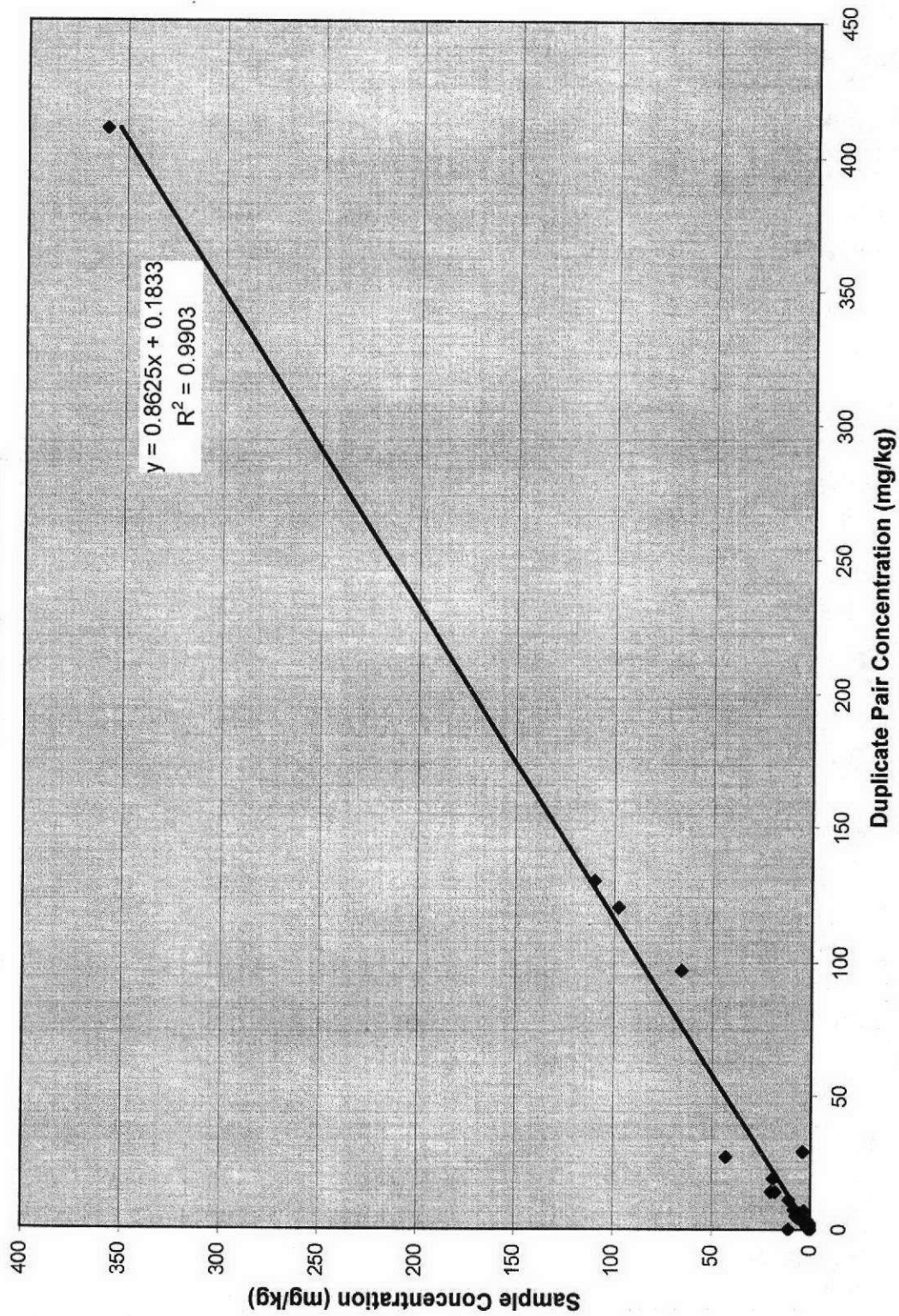


Figure 16
Comparison of Relative % Difference and Average PCB (Aroclor 1260) Concentration
for Field Duplicate Pairs (May - Nov. 2002)

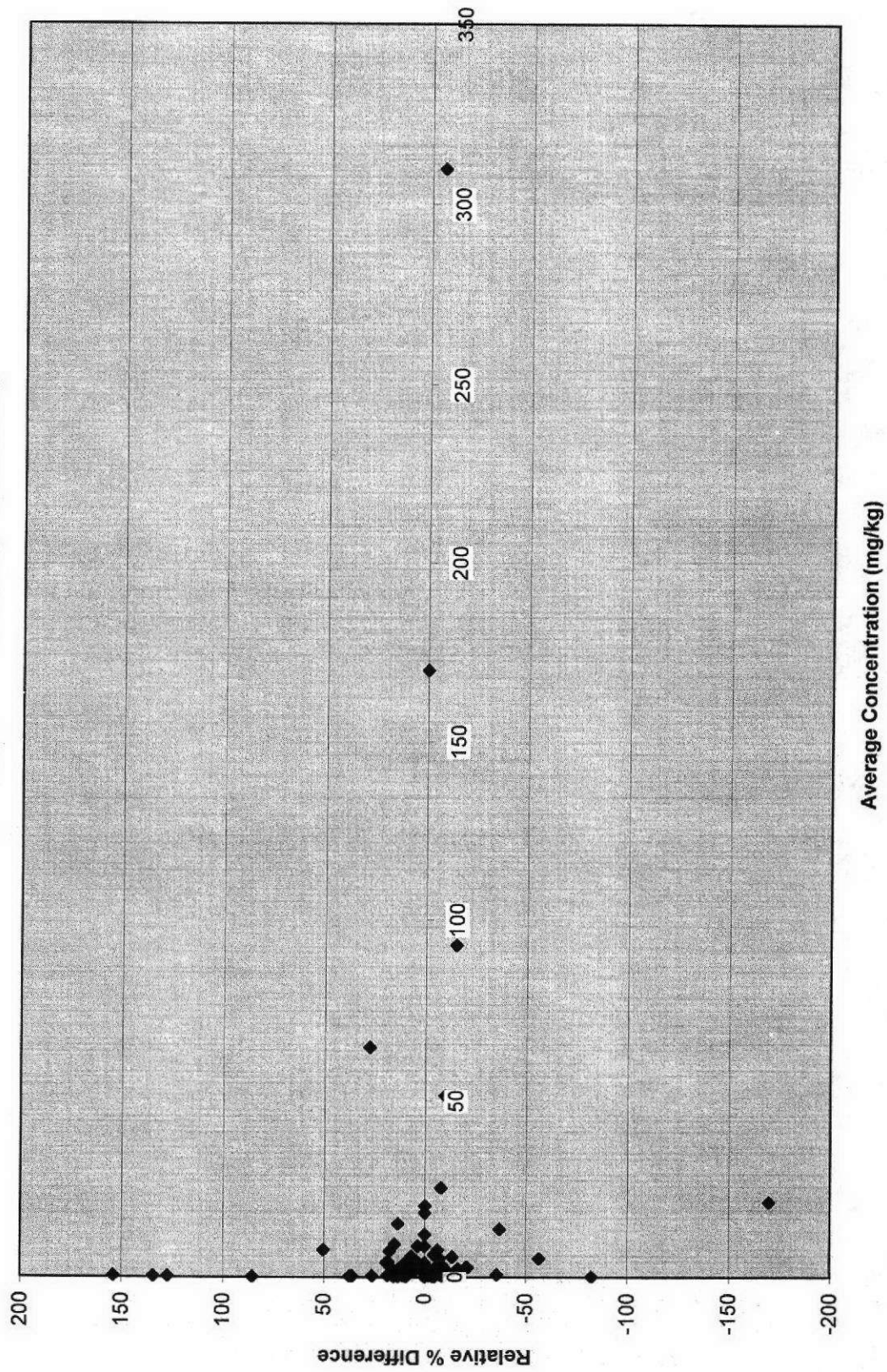


Figure 17
Comparison of Relative % Difference and Average PCB (Aroclor 1260) Concentration
for Paradigm Duplicate Pairs (May - Nov. 2002)

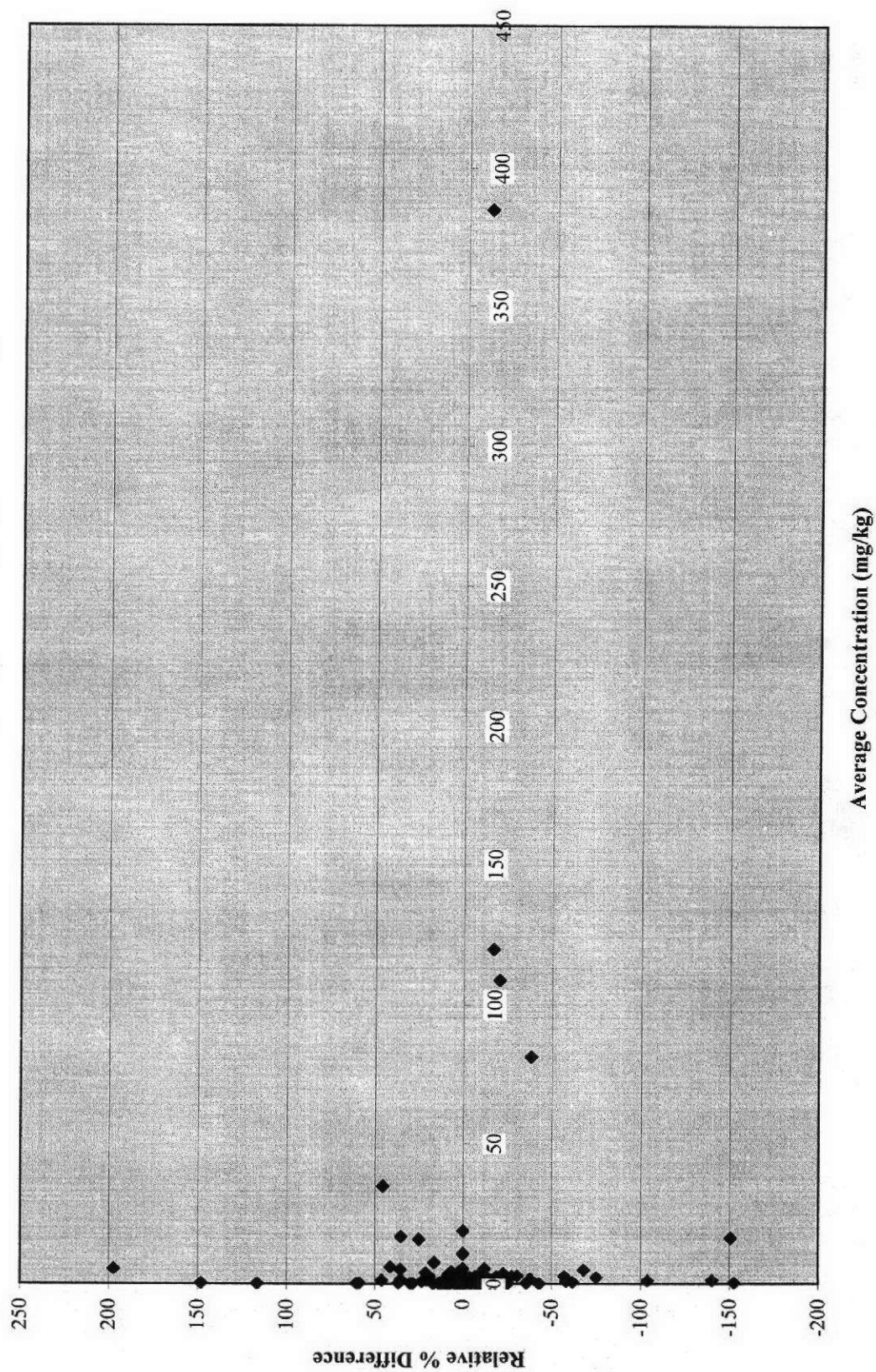


Figure 18
Comparison of Mean Absolute Value of Relative % Difference of Samples and Duplicate Pairs for PCBs
(Aroclor 1260) for May - Nov. 2002

