NORTH DRAINAGE CHANNEL SITE CHARACTERIZATION REPORT

APPENDIX 3 Fixed-Base Laboratory Data Sheets

Volume III

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APPENDIX 4

Kuhlman Electric Corporation Crystal Springs, Mississippi

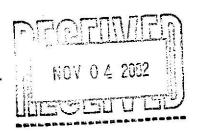
Prepared for

BorgWarner Inc.

January 2003

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

October 30, 2002



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

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,

Paradigna Analytical Laboratories, Inc.

Laboratory Director
J. Patrick Weaver

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

Matrix: Soil

%SOLIDS: 80.9

Date Collected: 10/10/02

Date Received: 10/15/02 Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/21/02

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

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: 10/13/02 Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/21/02

	Quantitation	Result
Compound	Limit (ug/KG)	(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	Spike	Percent
	Added	Result	Recovered
TCMX	100	123	123

Comments:

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

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

110 110 110 110 110		BQL BQL BQL BQL BQL
Spike Added	Spike Result	Percent Recovered
	110 110 110 110 Spike	110 110 110 110 Spike Spike Added Result

Comments:

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

Reviewed By:

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

Surrogate Spike Recoveries

TCMX

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

Result

123

Recovered

123

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110 1	Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
	Spike Spil	

Added

100

Comments:

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

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

Matrix: Soil

Surrogate Spike Recoveries

TCMX

%SOLIDS: 83.7

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

Result

98

Recovered

98

	Quantitation		Result
Compound	Limit (ug/KG)		(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
ii.			
	Spike	Spike	Percent

Added

100

Comments:

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

Reviewed By:

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

Matrix: Soil

%SOLIDS: 79.1

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

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

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

Quantitation		Result
Limit (ug/KG)		(ug/KG)
110		BQL
Spike	Spike	Percent
Added	Result	Recovered
100	101	101
	Limit (ug/KG) 110 110 110 110 110 110 110 1	Limit (ug/KG) 110 110 110 110 110 110 110 1

Comments:

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

Reviewed By:

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/24/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID:

S-MS.MSD-17

Dilution:

1.0

Lab Project ID:

Matrix:

Soil

Sample	MS	%Rec	MSD	%Rec	RPD

Aroclor-1260

Compound

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

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:

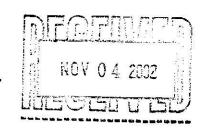
1.0

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

'ARADIGM ANK-YTICAL LABORATORIES, INC. 3627 Northchase Parkway SE, Wilmington, NC 28405 hone: (910)-350-1903 FAX: (910)-350-1557	TICAL LABORATOR way SE, Wilmington, NC FAX: (910)-350-1557	ORAT C ington, 1-350-15:	RIES, INC. VC 28405 57		Chain-c	of Custody	Record & A	Chain-of Custody Record & Analytical Request	t COC# 30234	
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2627 Northchase Parkway S.E. Wilmington, North Carolina 28405 (910) 350-1903 Fax (910) 350-1557

October 30, 2002



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

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

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

Matrix: Soil

%SOLIDS: 88.1

Date Collected: 10/8/02

Date Received: 10/15/02 Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/20/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110 110	8	Result (ug/KG) BQL
Surrogate Spike Recoveries TCMX	Spike Added 100	Spike Result 78	Percent Recovered

Comments:

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

Reviewed By:

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

Matrix: Soil

%SOLIDS: 79.0

Date Collected: 10/8/02

Date Received: 10/15/02 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	120	BQL
Aroclor-1221	120	BQL
Aroclor-1232	120	BQL
Aroclor-1242	120	BQL
Arocior-1248	120	BQL
Aroclor-1254	120	BQL
Aroclor-1260	120	BQL
Aroclor-1262	120	BQL

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

Comments:

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

Reviewed By:

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

Matrix: Soil

%SOLIDS: 80.2

Date Collected: 10/9/02

Date Received: 10/15/02 Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/20/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 120 120 120 120 120 120 120 120 120		Result (ug/KG) BQL
Surrogate Spike Recoveries TCMX	Spike	Spike	Percent
	Added	Result	Recovered
	100	105	105

Comments:

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

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

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

Matrix: Soil

%SOLIDS: 79.5

Date Collected: 10/9/02

Date Received: 10/15/02 Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/20/02

	Quantitation		Result
Compound	Limit (ug/KG)		(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
a .			
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	105	105

Comments:

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

Reviewed By:

.

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

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

Matrix: Soil

%SOLIDS: 83.5

Date Collected: 10/10/02

Date Received: 10/15/02 Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1

100

100

Date Extracted: 10/21/02

Quantitation Limit (ug/KG)		Result (ug/KG)
120		BQL
120		1600
120		BQL
Spike	Spike	Percent Recovered
	Limit (ug/KG) 120 120 120 120 120 120 120 120 120	120 120 120 120 120 120 120 120 120 120

100

Comments:

TCMX

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

Reviewed By:

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110 110	F	Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	97	97

Comments:

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/24/02

Client Project ID:

Analyzed By:

Lab Sample ID:

CLP

Lab Project ID:

Matrix:

Soil

Dilution: 1.0

Compound	
	40

S-MS.MSD-17

Aroclo	r_1260

Sample BQL

MS 1053

105%

%Rec

1197

MSD

120%

%Rec

12.8

RPD

Comments:

BQL = Below Quantitation Limit

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:

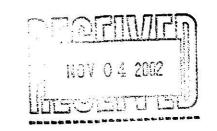
1.0

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

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

October 30, 2002



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

Report Number: G442-150

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

Results for PCBs by EPA 8082

Client Sample ID: HPGP8002 Client Project ID: Kuhlman Electric

Lab Sample ID: 54642 Lab Project ID: G442-150

Matrix: Soil

%SOLIDS: 82.8

Date Collected: 10/10/02

Date Received: 10/15/02 Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/21/02

	Quantitation	Result
Compound	Limit (ug/KG)	(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	Spike	Percent
	Added	Result	Recovered
TCMX	100	90	90

Comments:

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

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

Matrix: Soil

%SOLIDS: 83.1

Date Collected: 10/10/02

Date Received: 10/15/02 Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1

91

91

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
Aroclar-1260	120		BQL
Aroclor-1262	120		BQL
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered

100

Comments:

TCMX

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

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

	Quantitation	34	Result
Compound	Limit (ug/KG)		(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
Araclar-1262	110		BQL
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	101	101

Comments:

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

Reviewed By:

0000

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/24/02

Client Project ID:

Analyzed By:

10/24/02 CLP

Lab Sample ID:

S-MS.MSD-17 Dilution:

1.0

Lab Project ID:

Matrix:

Soil

Sample	2M	%Pac	 9/ Ban	-

Aroclor-1260

Compound

BQL

1053

105%

1197

120%

12.8

Comments:

BQL = Below Quantitation Limit

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

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:

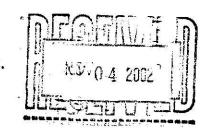
1.0

Compound	Spiked	Result	Limits	3
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	413	188	438

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

October 30, 2002



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

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

Results for PCBs by EPA 8082

Client Sample ID: WRPGP4-004

Client Project ID: Kuhlman Electric

Lab Sample ID: 54644 Lab Project ID: G442-151

Matrix: Soil

%SOLIDS: 81.4

Date Collected: 10/10/02

Date Received: 10/15/02

Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1
Date Extracted: 10/21/02

	Quantitation						
Compound	Limit (ug/KG)	(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	Spike	Percent
	Added	Result	Recovered
тсмх	100	101	101

Comments:

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

Reviewed By:

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

Matrix: Soil

%SOLIDS: 81.6

Date Collected: 10/12/02

Date Received: 10/15/02 Date Analyzed: 10/25/02

Analyzed By: CLP

Dilution: 20

Date Extracted: 10/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 2400 2400 2400 2400 2400 2400 2400 240		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

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

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

	Quantitation		Result
Compound	Limit (ug/KG)		(ug/KG)
Aroclor-1016	110	ē.	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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	101	101

Comments:

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

S-MS.MSD-17

Date Analyzed: 10/24/02

1.0

Client Project ID:

Analyzed By:

Dilution:

Lab Sample ID:

CLP

Lab Project ID:

Matrix:

Soil

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

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:

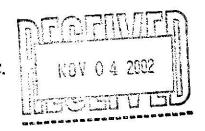
1:0

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

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

October 30, 2002



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

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.

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

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

Matrix: Soil

%SOLIDS: 84.0

Date Collected: 10/9/02

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	Spike	Percent
	Added	Result	Recovered
TCMX	100	105	105

Comments:

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

Reviewed By:

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

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

Comments:

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

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:

Date Analyzed: 10/24/02

Analyzed By:

CLP

Dilution:

1.0

Compound

Soil

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 $_{\rm N.C.}$ Certification #481 $\,$ S.C. Certification #99029

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:

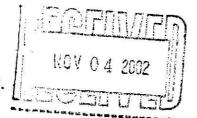
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Compound	Spiked	Result	Limits	
~ ~	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	413	188	438

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

October 30, 2002



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

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.

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

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

Matrix: Soil

%SOLIDS: 71.7

Date Collected: 10/12/02

Date Received: 10/15/02 Date Analyzed: 10/24/02

Analyzed By: CLP

Dilution: 1

96

Date Extracted: 10/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242	Quantitation Limit (ug/KG) 140 140 140	e	Result (ug/KG) BQL BQL BQL BQL
Aroclor-1248	140		BQL
Aroclor-1254	140		BQL
Aroclor-1260	140		BQL
Aroclor-1262	140		BQL
Surrogate Spike Recoveries	Spike	Spike	Percent
	Added	Result	Recovered

100

Comments:

TCMX

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

Reviewed By

96

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

	Quantitation		Result
Compound	Limit (ug/KG)		(ug/KG)
Aroclor-1016	110	**	BQL
Aroclor-1221	110	N	BQL
Aroclor-1232	110		BQL
Aroclor-1242	110		BQL
Aroclor-1248	110	10	BQL
Aroclor-1254	110		BQL
Aroclor-1260	110		BQL
Aroclor-1262	110		BQL
F			
8	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	101	101

Comments:

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/24/02

Client Project ID:

Analyzed By: CLP

Lab Sample ID: Lab Project ID:

S-MS.MSD-17

Dilution:

1.0

Matrix:

Soil

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 $_{\rm N.C.}$ 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	Result	Limits	\$
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	413	188	438

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

October 30, 2002



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

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

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

Matrix: Soil

%SOLIDS: 86.9

Date Collected: 10/12/02

Date Received: 10/15/02 Date Analyzed: 10/25/02

Analyzed By: CLP

Dilution: 10

Date Extracted: 10/21/02

NA

NA

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 1100 1100 1100 1100 1100 1100 1100 11		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries	Spike	Spike	Percent
	Added	Result	Recovered

100

Comments:

TCMX

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: \(\frac{\lambda}{\lambda}\tau^{\lambda}

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

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

Comments:

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/24/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID:

S-MS.MSD-17 Dilution: 1.0

Lab Project ID:

Matrix:

Soil

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 arrounts in #481 S.C. Certification #99029

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:

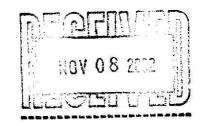
1.0

Compound	Spiked	Result	Limits	3
88	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	413	188	438

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

November 5, 2002



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

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.

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

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

Matrix: Soil

%SOLIDS: 76.3

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

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

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

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) 120		Result (ug/KG)
Aroclor-1016	No.		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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	99	99

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/29/02

Client Project ID: Lab Sample ID:

Analyzed By: CLP

Lab Project ID:

Matrix:

S-MS.MSD-18

Dilution:

1.0

Soil

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

PARADURINA NAUNTHAN CONTROL INC.

by GC 8082

Client Sample ID: Batch QC

Soil

Client Project ID: Lab Sample ID: SLCS 18

Lab Project ID:

Matrix:

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

Dilution:

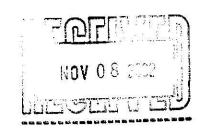
1.0

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

Please specify any special reporting State Certification Requested TERMS AND CONDITIONS SEE REVERSE FOR requirements Comments: SAME ジエよら 1 2 3 H 18th ,,7-0 #**303** Report To: __ _SC_ Invoice To: S Chain-of Custody Record & Analytical Request Temperature STA Analyses Time Job Number: Date: Contact: Ruferer antitud Turnaround: P.O. Number: 10/22/0 Date Project ID: Kuthenthe Elecation Pues × Received By Preservatives PARADIGM ANALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: _ Fax ŧ _< Time Phone: (910)-350-1903 FAX: (910)-350-1557 Time Matrix 5 Date Address: BLACK MOUNTAIN MC CNP-CP 255-001 15002 0915 Client: MARTIUF SCACE Date Relinquished By Sample ID Address: Quote #:

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

November 5, 2002



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

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.

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,

Raradigm Analytical Laboratories, Inc.

Laboratory Director
J. Patrick Weaver

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

Matrix: Soil

%SOLIDS: 83.6

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

Date Analyzed: 10/30/02 Analyzed By: CLP

Dilution: 20

Date Extracted: 10/23/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248	Quantitation Limit (ug/KG) 2100 2100 2100 2100 2100	**	Result (ug/KG) BQL BQL BQL BQL BQL
Aroclor-1254	2100		BQL
Aroclor-1260	2100		26000
Aroclor-1262	2100		BQL
Surrogate Spike Recoveries	Spike	Spike	Percent
	Add e d	Result	Recovered
TCMX	100	NA	NA

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

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

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

	Quantitation		Result
Compound	Limit (ug/KG)		(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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	99	99

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/29/02

Client Project ID:

Analyzed By: CLP

Lab Sample ID: Lab Project ID:

S-MS.MSD-18

Dilution:

1.0

Matrix:

Soil

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 100/4481 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:

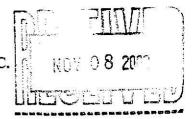
1.0

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

Please specify any special reporting requirements 160 State Certification Requested SEE REVERSE FOR TERMS AND CONDITIONS COC# 307.38 Comments: Page_/ Other SIMIC G442-162 Smark 75£h 1.4.4 Report To: _ Invoice To: SC 7-0 NC Chain-of Custody Record & Analytical Request Temperature 2.5.2 E Analyses 16:35 Time Date: P.O. Number: Turnaround: Job Number: 10/22/02 Date ETECHUC Contact: 128827 MINTELIN FEL X Received By Project ID: Kuftathe Preservatives PARADIGM ANALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: _ Fax: Ş X Phone: (910)-350-1903 FAX: (910)-350-1557 Time Time Marix 4 かん Date 150cm 1310 MACON I SURGE Address: BLACK MOLUTHIN Date Relinquished By KTP-CP2-co) Sample ID Address: Quote #: Client:

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

November 5, 2002



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

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.

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,

Raradigm Analytical Laboratories, Inc.

Laboratory Director J. Patrick Weaver

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

	Quantitation		Result
Compound	Llmit (ug/KG)		(ug/KG)
Aroclor-1016	100		BQL
Aroclor-1221	100		BQL
Arocior-1232	100		BQL
Aroclor-1242	100		BQL
Aroclor-1248	100		BQL
Aroclor-1254	100		BQL
Aroclor-1260	100		2000
Aroclor-1262	100		BQL
	Spike	Splke	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	69	69

Comments:

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

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation LimIt (ug/KG) 120 120 120 120 120 120 120 120 120	a	Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ		
Surrogate Spike Recoveries TCMX	Spike	Spike	Percent		
	Added	Result	Recovered		

Comments:

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/29/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID:

S-MS.MSD-18

Dilution:

1.0

Lab Project ID: Matrix:

Soil

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

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

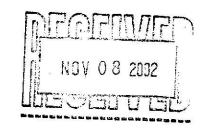
Please specify any special reporting به لې ا Page / of State Certification Requested SEE REVERSE FOR TERMS AND CONDITIONS coc# 30239 requirements Comments: Other CHARE syme # E.S. 81£h Report To: __ Invoice To:_ SC 1.7-0 S Chain-of Custody Record & Analytical Request Temperature G Attalyses 10:35 Time Date: Turnaround: Job Number: P.O. Number: Date 0/22/02 ODICINA ESE INTIC MARTIN Real × Received By Project ID: Kumman Contact: Rosepet Preservatives PARADIGM ANALYTICAL LABORATORIES, INC. Fax: _ 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: X Phone: (910)-350-1903 FAX: (910)-350-1557 Date Time 1400 Time Matrix Ž Client: MARTIN + CLACLE 150002 1455 Address: BLAC MON NITHIL Date Relinquished By FWP-691 Sample ID Address: Quote #:

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

November 5, 2002



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

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.

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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 Ahalytical Laboratories, Inc.

Laboratory Director
J. Patrick Weaver

Results for PCBs by EPA 8082

Client Sample ID: PWP-GP48-001 Date Collected: 10/15/02
Client Project ID: Kuhlman Electric Date Received: 10/22/02
Lab Sample ID: 55142 Date Analyzed: 10/30/02
Lab Project ID: G442-164 Analyzed By: CLP

Matrix: Soil %SOLIDS: 80.4 Dilution: 1

Date Extracted: 10/23/02

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

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 120 120 120 120 120 120 120 120 120		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQL BQL
Surrogate Spike Recoveries TCMX	Spike Added	Spike Result 99	Percent Recovered

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/29/02

Client Project ID:

Analyzed By:

Lab Sample ID:

Dilution: S-MS.MSD-18

CLP 1.0

Lab Project ID:

Matrix:

Soil

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

PARADIRINA PAINTINA COLABORATORIES, INC. by GC 8082

Client Sample ID: Batch QC

Client Project (D:

Lab Sample ID: SLCS 18

Lab Project ID:

Matrix:

Soil

Date Analyzed: 10/29/02

Analyzed By:

CLP

Dilution:

1.0

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

Please specify any special reporting حسر ركان 464045 State Certification Requested SEE REVERSE FOR TERMS AND CONDITIONS 78 requirements Other _ Comments: Page hoth STARE 草花井 Invoice To: Cotat 6442-164 #**303** Report To: _ ွင ---SC. Chain-of Custody Record & Analytical Request Temperature E Analyses Time Turnaround: Job Number: P.O. Number: Date: Date Project ID: Kuttenthal Elecatic VERFILE 77 × Received By Contact: Persent Preservatives PARADIGM ANALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SF, Wilmington, NC 28405 Phone: Fax: ž X 1/10/ Time Phone: (910)-350-1903 FAX: (910)-350-1557 Time Matrix J Date 15000 -107051 Client: Th HLT. Wr State LE Address: BLACK MOUNTAIN Date Relinquished By PWP-6748-00) Sample ID Address:_ Quote #:

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,

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,

Raradigm Analytical Laboratories, Inc.

Laboratory Director J. Patrick Weaver

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	2	BQL
Aroclor-1242	96		BQL
Aroclor-1248	96		BQL
Aroclor-1254	96		BQL
Aroclor-1260	96		760
Aroclor-1262	96	æ	BQL
	Spike	Spike	Percent
Surrogate Spike Recoveries	Addød	Result	Recovered
TCMX	100	82	82

Comments:

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

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

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

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/29/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID:

S-MS.MSD-18

Dilution:

1.0

Lab Project ID:

Matrix:

Soil

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 S.C. Certification #99029

by GC 8082

Client Sample ID: Batch QC

Client Project ID:

Lab Sample ID: SLCS 18

Lab Project ID:

Matrix:

Soil

Analyzed By: CLP

Dilution:

Date Analyzed: 10/29/02

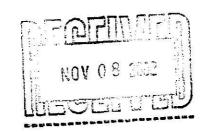
1.0

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

Vo tery Please specify any special reporting UFAI State Certification Requested SEE REVERSE FOR TERMS AND CONDITIONS requirements Comments: Other SAME SAME 474 121 127 *505 SC Invoice To: Report To: 1,7-0 S Chain-of Custody Record & Analytical Request Temperature STD Analyses Time Turnaround: Date: P.O. Number: Job Number: 1/22/ Date Project ID: Kuntman etterile Contact: 608527 MARTIN X Received By Preservatives PARADIGM ANALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: X る Time Phone: (910)-350-1903 FAX: (910)-350-1557 Time Matrix 4 Date 1615 Address: black Muntain MATWISTALL Kocoz Date Relinquished By 4P-CP13-001 Sample ID Address: Quote #: Jient:

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

November 5, 2002



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

Report Number: G442-160

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,

Raradigm Ahalytical Laboratories, Inc.

Laboratory Director

J. Patrick Weaver

PARADIGMANALATIGAL HABPSPATQRUSS, INC.

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	Result	Limits	
	(ug/KG)	(ug/KG)	Lower	Upper
Arocior 1260	313	258	188	438

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/29/02

Client Project ID:

Analyzed By:

10/29/02 CLP

Lab Sample ID:

S-MS.MSD-18

Dilution:

1.0

Lab Project ID:

Matrix:

Soil

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 10/4481 S.C. Certification #99029

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1260	Quantitation Limit (ug/KG) 120 120 120 120 120 120 120		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQL BQL
Aroclor-1262 Surrogate Spike Recoveries TCMX	Spike	Spike	Percent
	Added	Result	Recovered

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

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

Matrix: Soil

%SOLIDS: 95.9

Date Collected: 10/16/02 Date Received: 10/22/02

Date Analyzed: 10/30/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/23/02

Community	Quantitation		Result
Compound	Limit (ug/KG)		(ug/KG)
Aroclor-1016	98		BQL
Aroclor-1221	98		BQL
Aroclor-1232	98		BQL
Aroclor-1242	98		BQL
Aroclor-1248	98		BQL
Arocior-1254	98		BQL
Aroclor-1260	98		160
Aroclor-1262	98		BQL
	Spłke	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	77	7 7

Comments:

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

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

Please specify any special reporting requirements State Certification Requested SEE REVERSE FOR TERMS AND CONDITIONS r Sep. Comments: Other_ SHAVE SEC. A LANGE 6442-160 alsh #505 をおり SCI Report To:_ Invoice To: ニャン Š Chain-of Custody Record & Analytical Request Temperature から 5 Analyses 10/24/21/0-35 Time Turnaround: _ Job Number: P.O. Number: Date: Date Project ID: Kuman Ebryic Contact: Peter mitter Peri × Received By Preservatives PARADIGM ANALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: F 人 Time Phone: (910)-350-1903 FAX: (910)-350-1557 Time Matrix 3 Date 1745 Client: AMETIN & SLACIE Address: Futter was with it Date 73309 Relinquished By HGP-6P44-00) Sample ID Address: Quote #:

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

	Quantitation		Result
Compound	Limit (ug/KG)		(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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	77	77

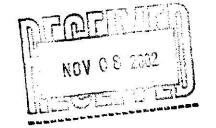
Comments:

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

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

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

November 5, 2002



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

12

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,

Raradigm Analytical Laboratories, Inc.

Laboratory Director J. Patrick Weaver

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

Matrix: Soil

%SOLIDS: 81.4

Date Collected: 10/16/02 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)
Arocior-1016	110		BQL
Araclor-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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	88	88

Comments:

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

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

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

oject ID. G442-157

Matrix: Soil

%SOLIDS: 79.9

Date Collected: 10/17/02 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	120		BQL
Aroclor-1221	120		BQL
Aroclor-1232	120		BQL
Araclor-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

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

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

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 Aroclor-1016	Quantitation Limit (ug/KG) 120		Result (ug/KG) 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.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/29/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID:

S-MS.MSD-18

Dilution:

1.0

Lab Project ID:

Matrix:

Soil

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

Comments:

BQL = Below Quantitation Limit

Reviewed By: 11/0

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:

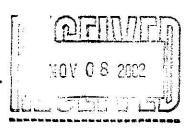
1.0

Compound	Spiked	Result	Limits	8
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	258	188	438

Please specify any special reporting ph State Certification Requested SEE REVERSE FOR TERMS AND CONDITIONS requirements Other Comments: SAME STAR 4114 Mar **是**名 * #**303** SCI 47-2 Report To: _ Invoice To: S. Chain-of Custody Record & Analytical Request Temperature STD Analyses Time Turnaround: P.O. Number: Job Number: Date: 1424/1 Date Project ID: Kuttinthe Elecylic Contact: Rebett MARTIN 20 × × Received By Preservatives PARADIGM ANALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: \$ × × Time Phone: (910)-350-1903 FAX: (910)-350-1557 OPUL HE Time Matrix Date ググ C735 16000 LOF30 Client: MARTIN + SLAGIC Address: WAKK MOKINTAIN Date 17cm Relinquished By SAP-CP34-001 SAP-CP41-cot Sample ID Address: Quote #:

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

November 5, 2002



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

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

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	N.	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

Comments:

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

Reviewed By:

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

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

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
Aroclar-1248	110		BQL
Aroclor-1254	110		BQL
Aroclor-1260	110		1400
Aroclor-1262	110		BQL
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	76	76

Comments:

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

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

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

	Quantitation		Result
Compound	Limit (ug/KG)		(ug/KG)
Aroclor-1016	120	830	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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	99	99

Comments:

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

Reviewed By:

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

MS/MSD Results for PCBs by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/29/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID:

S-MS.MSD-18

Dilution:

1.0

Lab Project ID:

Matrix:

Soil

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/4481 S.C. Certification #99029

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

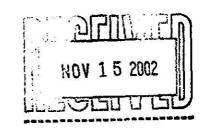
Compound	Spiked	Result	Limits	
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	258	188	438

(15)-117 Please specify any special reporting State Certification Requested SEE REVERSE FOR TERMS AND CONDITIONS 1 عام requirements _ Other_ Comments SAME なられて 3235 Sme 12% #**303** Invoice To: SC Report To: . 7-0 13-9 SC Chain-of Custody Record & Analytical Request Temperature 215 18:35 Analyses Time Turnaround: Date: P.O. Number: Job Number: 10123/12 Date 7/10.77 MARTIN Per × × Received By Project ID: Kustensto Contact: Außerr Preservatives PARADIGM ANALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: 支 × \searrow Time Phone: (910)-350-1903 FAX: (910)-350-1557 Time Marix 4 Date 1045 1000 MAKTIN'T CLATER Date Address: Kutte Men With W 20001 (Taket Relinquished By 100-1819-453 (58-6842-00) Sample ID Address: Jient: Quote #:

Washing .

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

November 12, 2002



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

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110 110		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
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: \frac{\frac{1}{\trace{1}{\trice{1}{\trace{1}{\trace{1}{\trace{1}{\trace{1}{\trace{1}{\trace{1

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

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

Matrix: Soil

%SOLIDS: 82.9

Date Collected: 10/24/02

Date Received: 10/26/02 Date Analyzed: 11/6/02

Analyzed By: CLP

Dilution: 10

Date Extracted: 10/29/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	Quantitation Limit (ug/KG) 1100 1100 1100 1100 1100 1100		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQL
Aroclor-1262	1100		BQL
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

Comments:

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

Reviewed By:

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

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

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

Matrix: Soil

%SOLIDS: 87.0

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

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

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

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

Results for PCBs by EPA 8082

Client Sample ID: Method Blank

Client Project 1D:

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248	Quantitation Limit (ug/KG) 100 100 100 100		Result (ug/KG) BQL BQL BQL BQL BQL
Aroclor-1254 Aroclor-1260 Aroclor-1262 Surrogate Spike Recoveries	100 100 100 Spike Added	Spike Result	BQL BQL BQL Percent Recovered
TCMX	100	93	93

Comments:

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Client Project ID:

Batch QC

Date Analyzed: 11/5/02

Analyzed By: CLP S-MS.MSD-19

Dilution:

1.0

Lab Sample ID: 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 S.C. Certification #99029

PARADICM 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

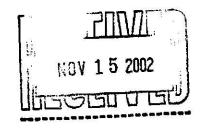
Dilution:

1.0

Compound	Spiked	Result	Limits	4000 VAC VA
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	355	219	406

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	PARADIGM ATTYCAL LABORATORIES, IN 2627 Northchase Parkway SE, Wilmington, NC 28405	Phone: (910)-350-1903 FAX: (910)-350-1557	Client: MAZTIN & SUACIE	\ddress:	Address: Bittle Mou NITEIN	Quote #:		Sample ID		Sinf-6941-002	Sint-6P37-03	5MP-6P47-001							Relinquished By	Church Purp	

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 Analytidal Laboratories, Inc.

Laboratory Director J. Patrick Weaver

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

Matrix: Soil

%SOLIDS: 88.7

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

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 99 99 99 99 99 99		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL
	Spike	Spike	BQL Percent
Surrogate Spike Recoveries TCMX	Added 100	Result 72	Recovered

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

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

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

Matrix: Soil

%SOLIDS: 87.7

Date Collected: 10/22/02

Date Received: 10/26/02 Date Analyzed: 11/5/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/29/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110 110		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQL
Arocior- (262	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.

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

Matrix: Soil

%SOLIDS: 83.5

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

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/29/02

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

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 100 100 100 100 100 100 100 100		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries TCMX	Spike	Spike	Percent
	Added	Result	Recovered

Comments:

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

Reviewed By:

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Client Project ID:

Lab Sample ID:

S-MS.MSD-19

Analyzed By:

Date Analyzed: 11/5/02

CLP

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 errounts in #911-#481 S.C. Certification #99029

PARADIGMOANALYTICAL HAB SPATORIES, INC.

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:

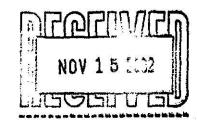
1.0

Compound	Spiked	Result	Limits	200-200-00
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	355	219	406

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PARADIGM A. TICAL LABORATORIES, INC. 1627 Northchase Parkway SE, Wilmington, NC 28405 Phone: (910)-350-1903 PAX: (910)-350-1557	XTIICA rkway SE 003 FAX	L LABC 3, Wilmir 3: (910)-3	ORATO 1gton, N 350-155	RIES, IN IC 28405	_ಲ	Chain-of	Custody R	ecord & A	Chain-of Custody Record & Analytical Request	अ	COC#	Jo J
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2627 Northchase Parkway S.E. Wilmington, North Carolina 28405 (910) 350-1903 Fax (910) 350-1557

November 12, 2002



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

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.

Laboratory Director
J. Patrick Weaver

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

Matrix: Soil

%\$OLIDS: 87.3

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

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

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

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

Matrix: Soil

%SOLIDS: 88.2

Date Collected: 10/22/02 Date Received: 10/26/02

Date Analyzed: 11/5/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 10/29/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 96 96 96 96 96 96 96		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	92	92

Comments:

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

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

Matrix: Soil

%SOLIDS: 89.4

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 Aroclor-1016 Aroclor-1221 Aroclor-1232	Quantitation Limit (ug/KG) 98 98 98		Result (ug/KG) BQL BQL BQL
Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	98 98 98 98 98		BQL BQL BQL BQL
Surrogate Spike Recoveries TCMX	Spike Added 100	Spike Result 84	Percent Recovered 84

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:

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

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

Matrix: Soil

%SOLIDS: 85.4

Date Collected: 10/24/02

Date Received: 10/26/02 Date Analyzed: 11/6/02

Analyzed By: CLP

Dilution: 10

Date Extracted: 10/29/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 1000 1000 1000 1000 1000 1000 1000	a de la companya de	Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

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

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

Matrix: Soil

%SOLIDS: 90.8

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

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 97 97 97 97 97 97 97 97		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
A100101-1202	31		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: 1

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

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

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 Aroclor-1016 Aroclor-1221	Quantitation Limit (ug/KG) 100 100		Result (ug/KG) BQL 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	Spike	Percent
	Added	Result	Recovered
TCMX	100	93	93

Comments:

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

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

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

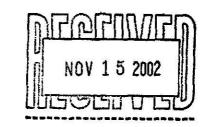
Please specify any special reporting 90 State Certification Requested **TERMS AND CONDITIONS** SEE REVERSE FOR requirements Comments: _ Other _ SAME SAME 49.25 4064 31-27/2 6034 hibh 7887 40616 SC Report To: Invoice To: Z Chain-of Custody Record & Analytical Request Temperature Date: 10/25/02 STS Analyses 10:25 Time Job Number: Turnaround: P.O. Number: 10.56.02 Date Project ID: Ku Hunth Elecozic Contact: ROSERT MOTENIN A. C. X × X × × Received By Preservatives 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: 47 X × Phone: (910)-350-1903 FAX: (910)-350-1557 Time Time Matrix アア Date Tient: MARTIU + SUAGLE BURIC MOUNTHU 2100012 Date 23062 2531.52 ZIECEL 24002 Relinquished By Sample ID Dypicte Dufucht Dupricitie Duplicate Defector \ddress: \ddress: **\u00e4**:

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PARADIGM ARMOVINCAL LABORATORIES, INC.

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

November 12, 2002



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

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

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

Matrix: Soil

%SOLIDS: 92.9

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 100 100 100 100 100 100 100 100		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
A10C/01-1202	100 Spike	Cuika	BQL
Surrogate Spike Recoveries	Added	Spike Result	Percent Recovered
TCMX	100	66	66

Comments:

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

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

Matrix: Soil

%SOLIDS: 87.6

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

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

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

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)
Aroctor-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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	93	93

Comments:

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/5/02

1.0

Client Project ID:

Analyzed By: CLP

Lab Sample ID:

S-MS.MSD-19

Dilution:

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 answirts in the #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

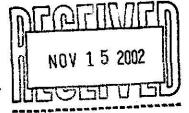
Compound	Spiked	Result	Limits				
	(ug/KG)	(ug/KG)	Lower	Upper			
Aroclor 1260	313	355	219	406			

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

November 12, 2002



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

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

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

Matrix: Soil

%SOLIDS: 92.7

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 100 100 100 100 100 100 100 100		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries TCMX	Spike Added 100	Spike Result	Percent Recovered

Comments:

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

Reviewed By: _

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

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

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
Arocior-1260	BQL	924	92%	1075	108%	15.1

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in un/1 #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

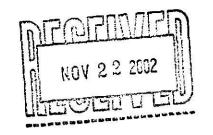
Dilution:

1.0

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

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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.

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

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

Matrix: Soil

%SOLIDS: 76.2

Date Collected: 10/29/02

Date Received: 11/5/02 Date Analyzed: 11/11/02

Analyzed By: CLP

Dilution: 5

Date Extracted: 11/06/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 640 640 640 640 640 640 640		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
A10Cl01-1202	040		DUL
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: MIC

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

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

	Quantitation		Result
Compound	Limit (ug/KG)		(ug/KG)
Aroclor-1016	130		BQL
Aroclor-1221	130		BQL
Aroclor-1232	130		BQL
Aroclor-1242	130		BQL
Aroclar-1248	130		BQL
Aroclor-1254	130		BQL
Aroclor-1260	130		BQL
Aroclor-1262	130		BQL
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	65	65

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MC

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/8/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID:

1.0

Lab Project ID:

Matrix:

Soil

Dilution: S-MS.MSD-20

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

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in: 19/14481 S.C. Certification #99029

Reviewed By: Mich

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:

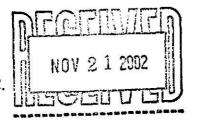
1.0

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

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

November 18, 2002



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

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.

Laboratory Director

J. Patrick Weaver

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

Matrix: Soil

%SOLIDS: 84.5

Date Collected: 10/29/02

Date Received: 11/5/02 Date Analyzed: 11/8/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/06/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 120 120 120 120 120 120 120		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
7100101-1202		6 "	
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: 1914

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

Matrix: Soil

%SOLIDS: 73.0

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

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 120 120 120 120 120 120 120 120 120		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries TCMX	Spike Added 100	Spike Result	Percent Recovered

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

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

Matrix: Soil

%SOLIDS: 70.6

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

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 140 140 140 140 140 140 140 140		Result (ug/KG) BQL
Surrogate Spike Recoveries TCMX	Spike Added	Spike Result 59	Percent Recovered

Comments:

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

Reviewed By: WC

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

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

Matrix: Soil

%SOLIDS: 83.9

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

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL
Aroclor-1262	110		BQL
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
тсмх	100	78	78

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MRC

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
Araclor-1248	130		BQL
Aroclor-1254	130		BQL
Aroclor-1260	130		BQL
Aroclor-1262	130		BQL
a a	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	65	65

Comments:

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

Reviewed By: Mic

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/8/02

Client Project ID:

Analyzed By:

CLP

1.0

Lab Sample ID: Lab Project ID:

S-MS.MSD-20

Dilution:

Matrix:

Soil

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

Comments:

BQL = Below Quantitation Limit

Reviewed By: Mt.C

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

by GC 8082

Client Sample ID: Batch QC

Client Project ID:

Date Analyzed: 11/8/02

Analyzed By:

CLP

Lab Sample ID:

SLCS 20

Dilution:

1.0

Lab Project ID:

Matrix:

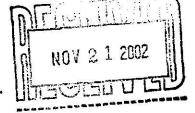
Soil

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

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

November 18, 2002



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

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.

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

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

Matrix: Soil

%SOLIDS: 78.9

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

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

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

Matrix: Soil

%SOLIDS: 86.5

Date Collected: 10/31/02

Date Received: 11/5/02 Date Analyzed: 11/8/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/06/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	Quantitation Limit (ug/KG) 100 100 100 100 100 100 100 1		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Aroclor-1262	100		BQL
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	63	63



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

Reviewed By: MLC

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

Matrix: Soil

%SOLIDS: 82.4

Date Collected: 10/31/02

Date Received: 11/5/02

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

Analyzed by. CL

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	110			
Aroclor-1262	110	110			
e .	Spike	Spike	Percent		
Surrogate Spike Recoveries	Added	Result	Recovered		
ТСМХ	100	63	63		



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

Reviewed By: MLC

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

Matrix: Soil

%SOLIDS: 76.6

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

Dilution: 1

Date Extracted: 11/06/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1260	Quantitation Limit (ug/KG) 130 130 130 130 130 130 130 13		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ	
Aroclor-1262	130 Spike	Spike	BQL Percent	
Surrogate Spike Recoveries TCMX	Added 100	Result 76	Recovered 76	
			, ,	

Comments:

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

Reviewed By: I'll

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

Results for PCBs by EPA 8082

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

Lab Project ID: 56020 Lab Project ID: G442-171

Matrix: Soil

%SOLIDS: 73.6

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

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	Quantitation Limit (ug/KG) 120 120 120 120 120 120 120		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL
Aroclor-1260	120	BQL	
Aroclor-1262	120	BQL	
Surrogate Spike Recoveries	Spike	Spike	Percent
	Added	Result	Recovered
TCMX	100	71	71

Comments:

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

Reviewed By: MRC

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

Matrix: Soil

%SOLIDS: 79.6

Date Collected: 11/1/02

Date Received: 11/5/02 Date Analyzed: 11/11/02

Analyzed By: CLP

Dilution: 50

Date Extracted: 11/06/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	Quantitation Limit (ug/KG) 5700 5700 5700 5700 5700 5700		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL
Aroclor-1260	5700	74000	
Aroclor-1262	5700	BQL	
Surrogate Spike Recoveries	Spike	Spike	Percent
	Added	Result	Recovered
TCMX	100	NA	NA

Comments:

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

Reviewed By: MYC

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

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

Matrix: Soil

%SOLIDS: 81.2

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

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

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

Matrix: Soil

%SOLIDS: 78.5

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

Compound Aroclor-1016 Aroclor-1221	Quantitation Limit (ug/KG) 120 120		Result (ug/KG) BQL BQL		
Aroclor-1232	120	8	BQL		
Aroclor-1242	120	120			
Aroclor-1248	120	BQL			
Aroclor-1254	120	BQL			
Aroclor-1260	120	120			
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: MLC

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	Quantitation Limit (ug/KG) 130 130 130 130 130 130 130 130	Limit (ug/KG) 130 130 130 130 130 130 130	
Aroclor-1262	130	130	
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: MCC

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

S-MS.MSD-20

Date Analyzed: 11/8/02

Client Project ID:

Analyzed By:

Lab Sample ID:

Dilution:

CLP 1.0

Lab Project ID:

Matrix:

Soil

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 ampuniscia HSN #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	Result	Limits	
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	248	219	406

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 and the second secon

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 19

Lab Project ID:

Matrix:

Soil

Date Analyzed: 11/5/02

Analyzed By:

CLP

Dilution:

1.0

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

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PARADIGM ANALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557	Jient: MAKTIN	Address: Butte)uote #:		Sample ID	16P-G21-001	-6P-G4-003	1.G2-6715-001 31002	LQ-G17-001	1.6P-6720-801	(6P-6721-10)	LG-Gय-का	167-G749-001 20002 1570			Relinquished By	Ch. Keft		

November 18, 2002

PARADIGM ANALYTICAL LABORATORIES, IN

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

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.

Laboratory Director J. Patrick Weaver

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

Matrix: Soil

%SOLIDS: 84.9

Date Collected: 10/29/02

Date Received: 11/5/02 Date Analyzed: 11/8/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/06/02

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

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

Matrix: Soil

%SOLIDS: 72.8

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

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
Aroctor-1262	130		BQL
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	72	72



BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: WLC

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

Matrix: Soil

%SOLIDS: 77.1

Date Collected: 10/31/02

Date Received: 11/5/02 Date Analyzed: 11/8/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/06/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	Quantitation Limit (ug/KG) 120 120 120 120 120 120 120 120		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQL
Aroclor-1262	120		BQL
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	69	69



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

Reviewed By: myc

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

Matrix: Soil

%SOLIDS: 73.6

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

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



BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MAC

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

Matrix: Soil

%SOLIDS: 79.7

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

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

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/8/02

Client Project ID:

EID:

CLP

Lab Sample ID:

S-MS.MSD-20 Analyzed By: Dilution:

1.0

Lab Project ID:

Matrix:

Soil

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

Comments:

BQL = Below Quantitation Limit

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

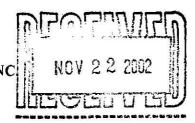
Dilution:

1.0

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

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- 1 b	PARADIGM ANNICYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557	Client: MARTI	Address: BUALIC MOUNTAIN	Quote #:		Sample ID		Duplicate	DIP HOATE	DOPLICATE	DUPLICATE	DUPLICATE						Relinquished By	The little	

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



November 20, 2002

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

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.

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

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

Matrix: Soil

%SOLIDS: 77.2

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

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	Quantitation Limit (ug/KG) 130 130 130 130 130 130 130 130		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Aroclor-1262	130		BQL
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	57	57



BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MLC

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 130 130 130 130 130 130 130 130 130	T.	Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
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: MC

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/8/02

Client Project ID:

S-MS.MSD-20

Analyzed By: CLP

Lab Sample ID:

Dilution:

1.0

Lab Project ID:

Matrix:

Soil

Compound		Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	22	BQL	930	93%	897	90%	3.6

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in 199/#481 S.C. Certification #99029

Reviewed By: MR()

PARADIANO NALYTIGA COLLABORAT (LESS), INC.

by GC 8082

Client Sample ID: Batch QC

Client Project ID:

Lab Sample ID: SLCS 20

Lab Project ID:

Matrix:

0_00_

Soil

Date Analyzed: 11/8/02

Analyzed By:

CLP

Dilution:

1.0

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

Reviewed By: _____

Please specify any special reporting requirements LABH 404 RHOP 74112 State Certification Requested SEE REVERSE FOR TERMS AND CONDITIONS NOT AUTINE TO107 #202 Mark の下れ Comments: Other_ Page ___ HOB(LE といろ 438 SC Report To: Invoice To: 1,9-0 S Chain-of Custody Record & Analytical Request **Temperature** Date: 4 100 02 Analyses 115/02 10:03 Time MAZIN Turnaround: Job Number: P.O. Number: Date IVINIDIO Project ID: KURLIAN ELEGRIC 3 丫 Received By Contact: ROGERT Preservatives YTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: 去 × Time Phone: (910)-350-1903 FAX: (910)-350-1557 140 Time Matrix S Address: BLACK HOUDTAN NC Date <u>5</u> Tient: MARTING SLAGUE Date ટ્રે Relinquished By AHP-GP1-001 PARADIGM A Sample ID \ddress: Juote #:

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

28405

November 20, 2002

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

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.

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

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

Matrix: Soil

%SOLIDS: 81.9

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

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1260	Quantitation Limit (ug/KG) 130 130 130 130 130 130 130		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Aroclor-1262	130 Spike	Spike	BQL Percent
Surrogate Spike Recoveries TCMX	Added	Result	Recovered
COMIX	100	65	65

Comments:

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

Reviewed By: nl

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/8/02

Client Project ID:

Analyzed By: CLP

Lab Sample ID:

S-MS.MSD-20

Dilution:

1.0

Lab Project ID: Matrix:

Soil

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

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:

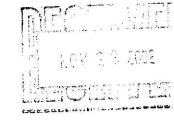
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Compound	Spiked	Result	Limits	
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	248	219	406

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	PARADIGM ANALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557	Vient: MACZIN & SLAGUE	Vidress: 12-14-CK PROUNTIE N. N.C. Juote #:		Sample ID	CHP-GPX9-001 11002								4)	Relinquished By	Charles feel		

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

November 20, 2002



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

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.

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

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

Matrix: Soil

%SOLIDS: 81.8

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

Compound	Quantitation Limit (ug/KG)	E	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

Comments:

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

Reviewed By: MC

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

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 Matrix: Soil

%SOLIDS: 81.3

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

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL 4100
Aroclor-1262	110		BQL
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	70	70

Comments:

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

Reviewed By: _____C__

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

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

Matrix: Soil

%SOLIDS: 86.4

Date Collected: 11/5/02

Date Received: 11/12/02 Date Analyzed: 11/15/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/14/02

Compound Aroclor-1016 Aroclor-1221	Quantitation Limit (ug/KG) 110		Result (ug/KG) BQL 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	Spike	Percent
	Added	Result	Recovered
TCMX	100	70	70

Comments:

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

Reviewed By:

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110 110		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQL BQL
Arodor-1202	110		DQL
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: MC

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/18/02

Reviewed By: MLC

Client Project ID:

Analyzed By:

CLP

Lab Sample ID: Lab Project ID:

S-MS.MSD-21

Dilution:

1.0

Matrix:

Soil

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

Comments:

BQL = Below Quantitation Limit

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

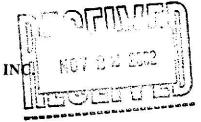
Dilution:

1.0

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

Please specify any special reporting State Certification Requested 12-43" 6910-50-33 72 W SEE REVERSE FOR TERMS AND CONDITIONS 733M (10H) 357411 53 1 CF D 14-SAME requirements Comments: SAAR Other. 840S Page __ 42-48" 5040 6442-178 #**303** 701-76 SCInvoice To: Report To: N N Chain-of Custody Record & Analytical Request **Temperature** 364 10:30 Analyses Time Turnaround: _ P.O. Number: Project ID: (LUNCTIND BLECTAIL Date: Job Number: 20/21/11 Date Contact: ROBBLT INHITIA × Received By Preservatives 'ARADIGM ANALYTICAL LABORATORIES, INC. :627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: 三 X メ Time 11/2/1400 Thorne: (910)-350-1903 FAX: (910)-350-1557 Time Matrix ddress: BCACL HOUNTAN, P.C. Date 09,10 Tient: MARZINISCHELE 162 Males 1410 450 X 100% Date Relinquished By -G-6P30-003 GP-6P17-403 LCB-6P30-007 Sample ID ddress: uote #:

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



November 20, 2002

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

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.

Laborator Director
J. Patrick Weaver

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

Matrix: Soil

%SOLIDS: 81.1

Date Collected: 11/5/02

Date Received: 11/12/02 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		240
Aroclor-1262	110		BQL
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	85	85

Comments:

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

Reviewed By: MKC

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

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

Matrix: Soil

%SOLIDS: 82.2

Date Collected: 11/7/02

Date Received: 11/12/02 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	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: WU

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

Matrix: Soil

%SOLIDS: 80.5

Date Collected: 11/8/02

Date Received: 11/12/02 Date Analyzed: 11/15/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/15/02

Compound	Quantitation		Result
Compound	Limit (ug/KG)		(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
Danogate opine necoveries	Audeu	Result	recovered
TCMX	100	79	79

Comments:

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

Reviewed By: ________

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

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	2	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
тсмх	100	89	89

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MIC

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: _______

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Client Project ID: Lab Sample ID:

S-MS.MSD-21

Date Analyzed: 11/18/02

Analyzed By:

Dilution:

CLP

1.0

Reviewed By: __julc_

Lab Project ID:

Matrix:

Soil

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

Comments:

BQL = Below Quantitation Limit

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

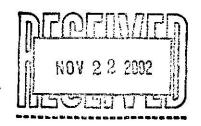
Dilution: 1.0

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

Please specify any special reporting requirements State Certification Requested TERMS AND CONDITIONS SEE REVERSE FOR Other Comments: 5056 2060 5052 SPACE \$ \$ 2 a 281-845 Report To: S Ance #**303** SC Invoice To: , 2h-oh ここと 27-9 S Chain-of Custody Record & Analytical Request Temperature 398 10:30 Analyses Time Date: Job Number: P.O. Number: Turnaround: 11/12/02 STATE STATE Date Recolu-MAKER 66 × × × Received By Project ID: Kufturithed Contact: PSETET Preservatives "ARADIGM ANARYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: 42 又 × X Time hone: (910)-350-1903 FAX: (910)-350-1557 1/20 Time Matrix 4 Date الح 1135 1430 osver 1620 MARTIN + SLACLE iddress: Butch mounthin ロチがいし CP NORZ Date Relinquished By 38-6847-002 Sp.6050-001 38-1941-003 Sample ID Address: Juole #: lient:

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

November 20, 2002



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

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

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

Matrix: Soil

%SOLIDS: 80.0

Date Collected: 11/5/02

Date Received: 11/12/02 Date Analyzed: 11/15/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/14/02

Compound Aroclor-1016	Quantitation Limit (ug/KG) 120		Result (ug/KG) 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: Info

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

Matrix: Soil

%SOLIDS: 83.0

Date Collected: 11/7/02

Date Received: 11/12/02 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	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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	77	77

Comments:

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

Reviewed By: MC

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110 110		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Arocior-1262	HU		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: MIC

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/18/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID: Lab Project ID:

Matrix:

S-MS.MSD-21 Dilution: 1.0

Soil

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

Comments:

BQL = Below Quantitation Limit

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

Reviewed By: MC

Please specify any special reporting 0/ لان ع State Certification Requested SEE REVERSE FOR TERMS AND CONDITIONS 23.5.14 requirements Comments: Other_ 2050 Simile Strae 5053 781-thh.D #202 SC_ Report To: _ Invoice To: * 42-02 .1-0 NC. Chain-of Custody Record & Analytical Request Temperature 3,9% 10:30 Analyses Time Turnaround: Job Number: P.O. Number: 20/21/11 Date Project ID: Kuthutto Gueralic-分析でしる FER × X Received By Contact: Ackerer Preservatives PARADIGM ANALYTICAL LABORATORIES, INC. 3627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: \$ X X Time hone: (910)-350-1903 FAX: (910)-350-1557 Time Matrix 5 Date الح IIIS 207/ lient: MARTINE SCHELL Iddress: ELACK MOLINTAIN SIMP-CP52-002 OFWICE OSWear Date Relinquished By SMP-6P60-001 Sample ID \ddress: \u00e4uote #:

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



November 20, 2002

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

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 Analytica/Laboratories, Inc.

Laboratory Director
J. Patrick Weaver

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

Matrix: Soil

%SOLIDS: 82.1

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

Compound Aroclor-1016 Aroclor-1221	Quantitation Limit (ug/KG) 110 110		Result (ug/KG) BQL 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	Spike	Percent
	Added	Result	Recovered
TCMX	100	72	72

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: いんと

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

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

Matrix: Soil

%SOLIDS: 87.3

Date Collected: 11/5/02 Date Received: 11/12/02

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		2500
Aroclor-1262	110		BQL
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	75	75

Comments:

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

Reviewed By: MRU

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

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

Matrix: Soil

%SOLIDS: 83.2

Date Collected: 11/7/02

Date Received: 11/12/02 Date Analyzed: 11/15/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/14/02

Compound Aroclor-1016 Aroclor-1221	Quantitation Limit (ug/KG) 110 110		Result (ug/KG) BQL BQL
Aroclor-1232 Aroclor-1242	110 110 110		BQL BQL
Aroclor-1248	110		BQL
Aroclor-1254	110		BQL
Aroclor-1260	110		BQL
Aroclor-1262	110		BQL
Surrogate Spike Recoveries	Spike	Spike	Percent
	Added	Result	Recovered
TCMX	100	83	83

Comments:

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

Reviewed By: MAL

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

Matrix: Soil

%SOLIDS: 84.6

Date Collected: 11/8/02 Date Received: 11/12/02

Date Received: 11/12/02 Date Analyzed: 11/15/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/14/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110 110		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
ATOCIOI-1202	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: MRC

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

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 Aroclor-1016	Quantitation Limit (ug/KG) 110		Result (ug/KG) 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
4	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	89	89

Comments:

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

Reviewed By: MHC

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Client Project ID:

Lab Sample ID:

S-MS.MSD-21

Date Analyzed: 11/18/02

Analyzed By: CLP

Dilution:

1.0

Lab Project ID: Matrix:

Soil

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

Comments:

BQL = Below Quantitation Limit

Reviewed By: Mcc

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: 0

CLP

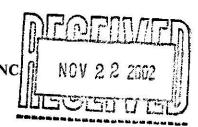
Dilution:

1.0

Compound	Spiked	Result	Limits	
1007	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	233	219	406

PARADIGM A. R. TYTICAL LABORATO 1627 Northchase Parkway SE, Wilmington, N. 1907 1910-350-1903 FAX: (910)-350-155 1916 III. HARQI V L.
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CYTICAI rkway SE, 003 FAX; OFFIOL OFFIOL OFFIOL By

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



November 20, 2002

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

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

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

Matrix: Soil

%SOLIDS: 84.6

Date Collected: 11/8/02

Date Received: 11/12/02 Date Analyzed: 11/15/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/14/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110	9 - 2	Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL S550
Aroclor-1262	110		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: MLC

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

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

MS/MSD Results for PCBs

by GC 8082

MS

2635

Client Sample ID:

Batch QC

Soil

Date Analyzed: 11/18/02

Client Project ID:

Analyzed By: CLP

Lab Sample ID: Lab Project ID:

Matrix:

S-MS.MSD-21

Dilution:

1.0

Compound

Sample

%Rec MSD %Rec **RPD**

Aroclor-1260

1401

123%

2817

13.7

142%

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amount satisfall 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 21

Lab Project ID:

Matrix:

Soil

Date Analyzed: 11/15/02

Analyzed By:

CLP

Dilution:

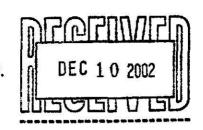
1.0

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

Please specify any special reporting 中外 State Certification Requested TERMS AND CONDITIONS coc# 23556 DI 14.16 SEE REVERSE FOR requirements Comments: Other_ SAME 5057 STATE なるだったれ SC Report To:_ Invoice To: " 70 NC Chain-of Custody Record & Analytical Request Temperature STATE STO Analyses 10:30 Time Date: _ Turnaround: Job Number: P.O. Number: 11/1402 Date בהנמור Contact: Referen MATIN Secs × Received By Project ID: Kuthant Preservatives PARADIGM ANTIVIICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: Z × Time 1/11/02 140 Phone: (910)-350-1903 FAX: (910)-350-1557 Time Matrix 7 Date 360 Tient: MAKTIN+ SUMELE Iddress: BLACK MOU UTAIN DEMET Date Relinquished By 100-52117-117 Sample ID \ddress: \u00e4uote #:

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

December 6, 2002



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

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.

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

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

Matrix: Soil

%SOLIDS: 82.5

Date Collected: 11/11/02

Date Received: 11/16/02 Date Analyzed: 11/26/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 120 120 120 120 120 120 120 120 120		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries TCMX	Spike Added	Spike Result 85	Percent Recovered 85

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MC

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 100 100 100 100 100 100 100 100		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL
Surrogate Spike Recoveries	100 Spike Added	Spike Result	Percent
TCMX	100	93	Recovered 93

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: wilc

MS/MSD Results for PCBs by GC 8082

Client Sample ID:

Batch QC

S-MS.MSD-22

Date Analyzed: 11/29/02

Client Project ID:

Analyzed By:

11/29/02 CLP

Lab Sample ID:

Dilution:

1.0

Lab Project ID:

Matrix:

Soil

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 S.C. Certification #99029

Reviewed By: MIC

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:

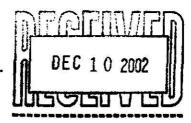
1.0

Compound	Spiked	Result	Limits	333453
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	347	219	406

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

December 6, 2002



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

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.

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

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

Matrix: Soil

%SOLIDS: 82.5

Date Collected: 11/12/02

Date Received: 11/16/02 Date Analyzed: 11/26/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 120 120 120 120 120 120 120 120 120		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Arocior-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: __m&C_

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248	Quantitation Limit (ug/KG) 100 100 100 100 100		Result (ug/KG) BQL BQL BQL BQL BQL
Aroclor-1254	100		BQL
Aroclor-1260	100		BQL
Aroclor-1262	100		BQL
Surrogate Spike Recoveries	Spike	Spike	Percent
	Added	Result	Recovered
TCMX	100	93	93

Comments:

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

Reviewed By: MCC

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/29/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID:

S-MS.MSD-22

Lab Project ID:

Matrix:

Dilution: 1.0

Soil

Compound		Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	88	214	1163	95%	1514	130%	31.2

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in: 10/4481 S.C. Certification #99029

Reviewed By: MCC

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:

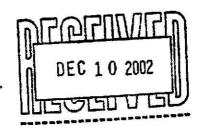
1.0

Compound	Spiked	Result	Limits	
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	347	219	406

Date | Time | Temperature | State Certification Requested Please specify any special reporting SEE REVERSE FOR TERMS AND CONDITIONS Page _____of 29562 * * * * * * * * requirements * Comments: Other_ SAME SAME 5030 MISIL ダーで #**50**5 Invoice To: SC Report To: _ 24.30 S S Chain-of Custody Record & Analytical Request Analyses 1116/02 11:30 P.O. Number: _ Job Number: Turnaround: **BECRIC** Received By ... Contact: PLABERT MATETIN Z र्थ Project ID: Kuthath Preservatives PARADIGM ANALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Fax: Phone: <u>\$</u> × Phone: (910)-350-1903 FAX: (910)-350-1557 Date Time 14:0 Z CSP-6/36-002 12Mor 1120 MARTIN + SUACIE Address: better mouuthin .. Date Relinquished By 大学 Sample ID Address: Quote #: Client:

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

December 6, 2002



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

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.

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

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

Matrix: Soil

%SOLIDS: 83.6

Date Collected: 11/13/02
Date Received: 11/16/02

Date Received: 11/16/02 Date Analyzed: 11/26/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 120 120 120 120 120 120 120 120 120		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries TCMX	Spike	Spike	Percent
	Added	Result	Recovered

Comments:

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

Reviewed By: __mt__

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/29/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID:

S-MS.MSD-22

Dilution:

1.0

Lab Project ID: Matrix:

Soil

Compound		Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	ļi.	214	1163	95%	1514	130%	31.2

PARADIGM ANALYTICA CHARPSATORES, INC.

by GC 8082

Client Sample ID: Batch QC

Client Project ID:

Lab Sample ID:

Lab Project ID:

Matrix:

SLCS 22

Date Analyzed: 11/29/02 Analyzed By: CLP

Dilution:

1.0

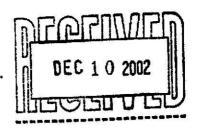
Soil

Compound	Spiked	Result	Limits	
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	347	219	406

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

December 6, 2002



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

Report Number: G442-192

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

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

Matrix: Soil

%SOLIDS: 83.6

Date Collected: 11/13/02
Date Received: 11/16/02

Date Analyzed: 11/16/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

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

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/29/02

Client Project ID:

Analyzed By:

CLP

Lab Sample ID: Lab Project ID:

S-MS.MSD-22

Dilution:

1.0

Matrix:

Soil

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 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 22

Lab Project ID:

Matrix:

Soil

Date Analyzed: 11/29/02

Analyzed By:

CLP

Dilution:

1.0

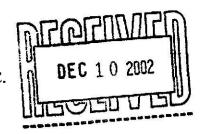
Compound	Spiked	Result	Limits	
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	347	219	406

Reviewed By: MLC

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

December 6, 2002



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

Report Number: G442-187

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

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

Matrix: Soil

%SOLIDS: 81.7

Date Collected: 11/12/02

Date Received: 11/16/02 Date Analyzed: 11/26/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

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

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

Matrix: Soil

%SOLIDS: 84.3

Date Collected: 11/13/02 Date Received: 11/16/02

Date Received: 11/16/02 Date Analyzed: 11/26/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242	Quantitation Limit (ug/KG) 99 99 99		Result (ug/KG) BQL BQL BQL BQL
Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	99 99 99		BQL BQL 860 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: MLC

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

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)	51	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
Arocior-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: MIC

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/29/02

Client Project ID: Lab Sample ID:

Analyzed By: CLP

Lab Project ID:

S-MS.MSD-22

Dilution:

1.0

Matrix:

Soil

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	214	1163	95%	1514	130%	31.2

Comments:

BQL = Below Quantitation Limit

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:

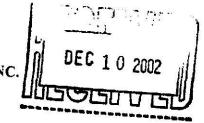
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Compound	Spiked	Result	Limits	
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	347	219	406

Please specify any special reporting State Certification Requested TIONS 29563 SEE REVERST TOR requirements Comments: SAME Other_ Page __ STAR MISIL Soft TERMS AND CO. htes #**303** Report To: _ Invoice To: SC " 8h-hh " et-4z S. Chain-of Custody Record & Analytical Request Date | Time | Temperature Analyses 11/16/02 11:30 Date: Turnaround: Job Number: P.O. Number: Project ID: Kuthath Election Contact: (ABCPCT MIHATIN Received By RK X X Preservatives 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: Ž X × Phone: (910)-350-1903 FAX: (910)-350-1557 Date | Time 1/2 1460 5 5 Address: BLACK MOUNTHIN SIC 1352 54.01 全野にひゃ かっれいが 1212012 13 NIOZ 以近に存得 Relinquished By LPP-CP3-602 189-674-003 Address: Quote #: Client:

PARADIGM AMINTICAL LABORATORIES, INC.

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



December 6, 2002

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

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.

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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,

Paradign Analytical Laboratories, Inc.

Laboratory Director
J. Patrick Weaver

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

Matrix: Soil

%SOLIDS: 81.3

Date Collected: 11/12/02

Date Received: 11/16/02 Date Analyzed: 11/26/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

	Quantitation		Result
Compound	Limit (ug/KG)		(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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	43	43

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MAC

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

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

Matrix: Soil

%SOLIDS: 82.3

Date Collected: 11/13/02

Date Received: 11/16/02 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	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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	73	73

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: __m4C___

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

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

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/29/02

Client Project ID:

Analyzed By:

Dilution:

CLP

Lab Sample ID:

S-MS.MSD-22

1.0

Lab Project ID: Matrix:

Soil

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	214	1163	95%	1514	130%	21.2

Comments:

BQL = Below Quantitation Limit

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

Reviewed By: MLC

by GC 8082

Client Sample ID: Batch QC

Client Project ID:

Lab Sample ID:

Lab Project ID:

Matrix:

SLCS 22

Soil

Date Analyzed: 11/29/02

Analyzed By:

CLP

Dilution:

1.0

Compound	Spiked	Result	Limits	
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	347	219	406

Reviewed By: MRC

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PARADIGM ANALYTICAL LABORATORIES, INC.

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

December 6, 2002

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

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

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

Matrix: Soil

%SOLIDS: 84.1

Date Collected: 11/13/02

Date Received: 11/16/02 Date Analyzed: 11/25/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 110 110 110 110 110 110 110 110	-	Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries TCMX	Spike Added 100	Spike Result	Percent Recovered

Comments:

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

Reviewed By: MAC

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

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

Matrix: Soil

%SOLIDS: 81.6

Date Collected: 11/14/02

Date Received: 11/16/02 Date Analyzed: 11/29/02

Analyzed By: CLP

Dilution: 5

Date Extracted: 11/21/02

Compound	Quantitation Limit (ug/KG)	120	Result (ug/KG)
Alocioi- to to	450		BQL
Arocior-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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	75	75

Comments:

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

Reviewed By: MC

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

Results for PCBs by EPA 8082

Client Sample ID: SMP-GP66-001 Date Collected: 11/14/02
Client Project ID: Kuhlman Electric Date Received: 11/16/02
Lab Sample ID: 57122 Date Analyzed: 11/25/02
Lab Project ID: G442-185 Analyzed By: CLP

Matrix: Soil %SOLIDS: 82.3 Dilution: 1
Date Extracted: 11/21/02

Compound	Quantitation	8	Result
Compound	Limit (ug/KG)		(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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
ТСМХ	100	71	71

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MAC

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

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

Matrix: Soil

%SOLIDS: 88.1

Date Collected: 11/14/02

Date Received: 11/16/02 Date Analyzed: 11/25/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 100 100 100 100 100 100 100 100		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	79	79

Comments:

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

Reviewed By: nLC

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

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

Matrix: Soil

%SOLIDS: 89.5

Date Collected: 11/14/02 Date Received: 11/16/02

Date Received: 11/16/02 Date Analyzed: 11/25/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248	Quantitation Limit (ug/KG) 99 99 99 99		Result (ug/KG) BQL BQL BQL BQL BQL
Aroclor-1254 Aroclor-1260	99 99		BQL 720
Aroclor-1262	99		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: MLL

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

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

Comments:

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

Reviewed By: _____

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 100 100 100 100 100 100 100 100		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQL BQL
Surrogate Spike Recoveries TCMX	Spike	Spike	Percent
	Added	Result	Recovered

Comments:

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

Reviewed By: The

MS/MSD Results for PCBs by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 11/29/02

Client Project ID:

Analyzed By:

Reviewed By: __ML(__

Lab Sample ID:

S-MS.MSD-22

CLP

Lab Project ID:

Dilution: 1.0

Matrix:

Soil

Compound		Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	49	214	1163	95%	1514	130%	31.2

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	Result (ug/KG)	Limits		
	(ug/KG)		Lower	Upper	
Aroclor 1260	313	347	219	406	

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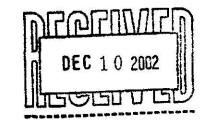
Chain-of Custody Record & Analytical Request

PARADIGMA, ALYTICAL LABORATORIES, INC.

2627 Northchase Parkway SE, Wilmington, NC 28405

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

December 6, 2002



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

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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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

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

Matrix: Soil

%SOLIDS: 81.0

Date Collected: 11/11/02

Date Received: 11/16/02 Date Analyzed: 11/25/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232	Quantitation Limit (ug/KG) 120 120 120		Result (ug/KG) BQL BQL BQL
Aroclor-1248 Aroclor-1254 Aroclor-1260	120 120 120 120		BQL BQL BQL 290
Aroclor-1262	120 Spike	Spike	BQL Percent
Surrogate Spike Recoveries TCMX	Added 100	Result 76	Recovered 76

Comments:

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

Reviewed By: __MC__

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

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

Matrix: Soil

%SOLIDS: 82.2

Date Collected: 11/12/02

Date Received: 11/16/02 Date Analyzed: 11/26/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

	Quantitation		Result
Compound	Limit (ug/KG)		(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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	76	76

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: ml

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

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

Matrix: Soil

%SOLIDS: 83.5

Date Collected: 11/13/02 Date Received: 11/16/02

Date Received: 11/16/02 Date Analyzed: 11/26/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	Quantitation Limit (ug/KG) 120 120 120 120 120 120		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Aroclor-1260	120		1000
Aroclor-1262	120		BQL
Surrogate Spike Recoveries	Spike	Spike	Percent
	Added	Result	Recovered
TCMX	100	79	79

Comments:

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

Reviewed By: MM

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

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

Matrix: Soil

%SOLIDS: 74.9

Date Collected: 11/14/02

Date Received: 11/16/02 Date Analyzed: 11/29/02

Analyzed By: CLP

Dilution: 5

Date Extracted: 11/21/02

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 550 550 550 550 550 550 550 550 550	Limit (ug/KG) 550 550 550 550 550 550 550 550	
Surrogate Spike Recoveries TCMX	Spike Added	Spike Result 45	BQL Percent Recovered 45

Comments:

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

Reviewed By: MCC

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

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

Matrix: Soil

%SOLIDS: 60.2

Date Collected: 11/15/02

Date Received: 11/16/02 Date Analyzed: 11/26/02

Analyzed By: CLP

Dilution: 1

Date Extracted: 11/21/02

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

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

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: ML

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Client Project ID:

Batch QC

S-MS.MSD-22

Date Analyzed: 11/29/02

Analyzed By:

CLP

130%

31.2

Lab Sample ID: Lab Project ID:

Matrix:

Aroclor-1260

Soil

Dilution: 1.0

Compound

Sample MS %Rec MSD %Rec **RPD** 214 1163 95% 1514

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

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:

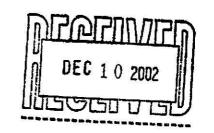
1.0

Compound	Spiked	Result	Limits	
	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	347	219	406

Please specify any special reporting State Certification Requested **TERMS AND CONDITIONS** 25560 SEE REVERSE FOR requirements Stric Comments: Page ____ Other Same 981-Chh9 #**30**3 Invoice To:_ Report To: SC_ 2902 11816 148 5065 3705 7605 215 S. Chain-of Custody Record & Analytical Request Temperature 7.27 Time 11:30 Analyses P.O. Number: _ Date: Job Number: Turnaround: 11/10/05 Date PRINCIPLE Project ID: Kulhand Electric Contact: Kokert MAKTIN Received By RES × X × × Preservatives LALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Fax Phone: 芝 X メ × × X Phone: (910)-350-1903 FAX: (910)-350-1557 Time The same 140 Time Marit 5 11/1/11 Date MARCHIN + SLARIE Address: BLACK MOKNIMIL 15 Men とうかい Date Lognil LADOR 13 1002 Relinquished By -35... -47. PI PLICATE Duffication ひょうこのたか Duplic ATE JUPICHTZ PARADIGM Address: Client: Quote #:

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

December 6, 2002



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

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

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

Comments:

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

Reviewed By: Mile C

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: _^\\^___

Results for PCBs by EPA 8082

Client Sample ID: Method Blank

Client Project ID:

Lab Sample ID: Blk 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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/L) 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result (ug/L) BQL BQL BQL BQL BQL BQL BQL BQL
Surrogate Spike Recoveries TCMX	1.0 Spike Added	Spike Result 65	Percent Recovered

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: MAC

MS/MSD Results for PCBs

by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 10/30/02

Client Project ID:

Analyzed By:

10/30/0

Lab Sample ID:

Dilution:

CLP

Lab Project ID:

S-MS.MSD-210

n:

1.0

Matrix:

Water

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 S.C. Certification #99029

Reviewed By: ML

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

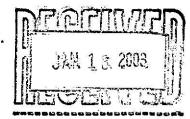
Dilution:

Compound	Spiked	Result	Limits	
_ 04	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	300	219	406

Please specify any special reporting State Certification Requested **TERMS AND CONDITIONS** SEE REVERSE FOR requirements 1 Comments: Other_ SAME STATE Page_ #**303** SC_ Report To: Invoice To: 058 M A180A 475W Z Chain-of Custody Record & Analytical Request Temperature SIN Analyses Time Turnaround: Date: Job Number: P.O. Number: 102 Date Project ID: Kuthenthad Elesconen Contact: Rebert MARTIN A.B. × × Received By Preservatives YFICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Phone: Fax: \$ × × Time Phone: (910)-350-1903 FAX: (910)-350-1557 341 Time Matrix 3 3 Date 7 1001 1211 Tient: AMPLTINE SUAGE Iddress: Bitch mountain Date RENOUS 16Nocz Relinquished By 11WZ-6w001 PARADIGMA Sample ID MW3-61000 \ddress: \u00e4uote #:

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

January 10, 2003



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

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

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

v	Quantitation		Result
Compound	Limit (ug/L)		(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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered
TCMX	100	72	72

Comments:

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

Reviewed By: MAC

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 Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/L) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	a a	Result (ug/L) BQL BQL BQL BQL BQL BQL BQL
Arocior-1262			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

MS/MSD Results for PCBs by GC 8082

Client Sample ID:

Batch QC

Date Analyzed: 12/17/02

Client Project ID:

Analyzed By: CLP

Lab Sample ID:

W-MS.MSD-259

Dilution:

1.0

Lab Project ID: Matrix:

Water

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	985	99%	776	78%	23.7

Comments:

Reviewed By: __mcc

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

Client Sample ID: Batch QC

Client Project ID:

WLCS 259

Lab Sample ID: Lab Project ID:

Matrix:

Water

Date Analyzed:

12/17/02

Analyzed By:

CLP

Dilution:

1.0

Compound	Spiked	Result	Limits		
	(ug/L)	(ug/L)	Lower	Upper	
Aroclor 1260	313	259	219	406	

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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.

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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 (R², [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 (R²) 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 R² 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 R² 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} X 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: $\leq 10 \text{ mg/kg}$; between $10 \text{ and } \leq 100 \text{ mg/kg}$; and $\geq 100 \text{ mg/kg}$.

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 R², 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

7

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.

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-	7591 75 - 91 - 11	Results		
		Field	Paradigm	
	1	Result	Result	
		(mg/kg) ^c	(mg/kg) ^f	Relative '
Sample Name	Mobile #		5559 (51-16)	Difference
LPP-GP1-001	2584	105	58	57
LPP-GP5-003	2592	0.10	0.16	-46
LPP-GP9-001	2605	5.9	4.5	26
LPP-GP10-002	2609	0.10	0.18 U	-57
LPP-GP15-003	2624	1.6	0.32	133
OHP-GP1-001	2625	0.32	0.16 U	66
RFP-GP4-001	2645	0.10 U	0.17 U	-51
RFP-GP9-001	2661	0.10 U	0.23 U	-78
RFP-GP11-001	2667	37	4.7	154
RFP-GP15-001	2680	15	1.9	155
LLP-GP4-001	2692	60	7.5	155
LLP-GP5-001	2695	0.10 U	0.20 U	-66
RFP-GP23-001	2705	0.76	0.19 U	120
RFP-GP16-001	2712	51	5.4	161
RFP-GP19-001	2721	14	2.6	137
RFP-GP26-001	2736	14	0.48	186
RFP-GP28-001	2742	38	3.5	166
RFP-GP32-001	2754	52	6.1	158
RFP-GP35-001	2763	19	5	116
RFP-GP36-001	2766	11	6	58
LPP-GP20-002	2776	44	4	166
LPP-GP23-001	2778	1.0	0.61	48
HGP-GP3-001	2786	3.6	2.2	48
HGP-GP9-002	2795	0.10 U	0.21 U	-71
HGP-GP10-003	2798	0.10 U	0.20 U	-66
CSP-GP3-001	2811	0.71	0.21	108
CSP-GP3-003	2813	0.10 U	0.20 U	-66
CSP-GP9-003	2825	0.10 U	0.18 U	-57
CSP-GP10-001	2833	0.10 0	0.18 U	38
PP-GP12-001	2840	3.5	0.19 0	150
3SP-GP4-001	2850	0.10 U	0.19 U	-62
RFP-GP18-004	2856	0.41	0.19 U	64.
RFP-GP25-004	2860	2	0.21 U	154.
RWP-GP2-001	2865	0.10 U	0.18 U	-57
RWP-GP3-001	2869	0.13	0.18 U	-32.
RWP-GP4-001	2872	0.10 U	0.18 U	-32. -71.
CSP-GP12-001	2879	48	37	25.
CSP-GP14-001	2884	32	22	37.
PP-GP20-004	2892	0.57	0.32 U	56.
HGP-GP2-002	2893	4.6	39	-157.
IGP-GP3-003	2894	0.67	0,29	79.
OHP-GP4-004	2937	14	7.8	56.
PP-GP24-001	2939	110	74	39.
PP-GP25-001	2943	72	63	13.
PP-GP27-002	2950	3.3	1	107.
PP-GP30-002	2959	0.10 U	0.17 U	-51.

	Table 1	
Comparison of All I	ield and Fixed Labor	atory PCB (Aroclor 1260)
	Results	
	Field.	Davadian

		Results		<u> </u>
		Field	Paradigm	
		Result	Result	
	1	(mg/kg) ^e	(mg/kg) ^f	Relative %
Sample Name	Mobile#	, , ,		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		145.3
FWP-GP14-003	3053	1.3	1,3 0,59	75.1
FWP-GP15-002	3055	1.5	0.39	
FWP-GP13-002		0.33		140.9
FWP-GP20-003	3066 3077	0.33 0.10 U	0.19 U 0.19 U	53.8 -62.1
FWP-GP24-001	3081	0.10 0	0.19 U	105.9
FWP-GP27-002	3090	0.10 U	0.20 U	-71.0
FWP-GP28-002	3093	4	0.20 U	181.0
FWP-GP30-002	3100	0.10 U	0.20 U	-62.1
FWP-GP32-002	3106	0.10 U	0.19 U	-57.1
FWP-GP37-001	3118	46	22	
FWP-GP37-003	3120	3.4	0.71	70.6
FWP-GP14004				130.9
	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

	Table 1
Comparison of All Field and	l Fixed Laboratory PCB (Aroclor 1260)
	Regulte

		Results		26
		Field	Paradigm	
		Result	Result	
İ	Ī	(mg/kg) ^e	(mg/kg) ^f	Relative %
Sample Name	Mobile#			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	Ì
Comparison of All Field and Fixed Laboratory PCB (Aroclor 1260)	Į
Results	l

		Results		
		Field	Paradigm	
ł	1	Result	Result	ł
		(mg/kg) ^e	(mg/kg) ^f	Relative %
Sample Name	Mobile #	200400		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°	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°	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

2		Table	e 1		
Comparison	of All Field and	Fixed	Laboratory	PCB (Aroclor	1260)
		Resu	its		-

		Results	2 CO 02 CO 02 CO	
		Field	Paradigm	
		Result	Result	
		(mg/kg) ^e	(mg/kg) ^f	Relative %
Sample Name	Mobile #	3 35 35		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	7 4	-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°	3863	170	98	53.7
MSL-GP10-005°	3866	160	190	-17.1
MSL-GP12-006°	3871	200	110	58.1
CNP-GP1-001	3875	1.7	1.0	51.9
MSL-GP16-006°	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

		Table 1		
Comparison of Al			ory PCB (Are	oclor 1260
	T	Results Field	Paradigm	1
		Result	Result	* *
8		(mg/kg) ^e	(mg/kg) ^f	Relative %
Sample Name	Mobile #	SG: 608	203 -21	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

Comparison of Al		Table 1 Fixed Laborat	ory PCB (Arc	oclor 1260
		Results		
		Field Result	Paradigm Result	
		(mg/kg) ^e	(mg/kg) ^f	Relative %
Sample Name	Mobile #			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	0.14	-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	20	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	0.10	68.6
CSP-GP42-001	4829	2.1	1.4	40.0
LPP-GP98-001	4829	0.60	0.55	8.7
LPP-GP103-001	4833	0.25	0.33	17.4

		Table 1		
Comparison of All			ory PCB (Arc	oclor 1260)
		Results		
		Field	Paradigm	ľ
		Result	Result	
	}	(mg/kg) ^e	(mg/kg) ^f	Relative %
Sample Name	Mobile #			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 ป	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	U 01.0	U 11.0	-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

Comparison of Al	l Field and F	Table 1 Fixed Laborat Results	ory PCB (Are	oclor 1260)
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 beter 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.

Sample Name Field Duplicate Mobile 4 Field Result Duplicate (mg/kg)* Field Result Field Duplicate (mg/kg)* Field Result Field Duplicate (mg/kg)* Field Result Field Pulloge Pulloge Field Result Field Pulloge	8 8	Com	parison o	f PCB (An	1a octor 1260) Res	Table 2 Results between S	amnle and	Dunlicate Pair	- Committee of the Comm	
Pield Duplicate Mobile # Mobile # Field Result Results (mg/kg)* Results (mg/kg)* Results (mg/kg)* Results (mg/kg)* Into	×				Field Result	Duplicate	Relative %	Paradism	Paradigm Result	Relative %
Dup 11/18/2001 2584 2595 105.0 89.0 165 58 Dup 11/18/2001 2690 2615 0.10 0.10 0.6 0.18 0 Dup 11/19/2001 2690 2615 0.10 0.10 0.10 0.11 0.16 0 0.11 0.16 0 0.11 0.16 0 0.11 0.16 0 0.11 0.16 0 0.11 0.16 0 0.11 0.16 0 0.11 0 0.11 0 0.11 0.16 0 0.11 0 0.12 0 0.12 0 0.12 0 0.12 0 0.12 0 0.12 0 0.12 0 0.12 0 0.12 0 0.12 0 0.12 0 0 0 0 0.13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <t< th=""><th>Sample Name</th><th>Field Duplicate</th><th>C)</th><th>Duplicate Mobile#</th><th>(mg/kg)*</th><th>Field Result</th><th>Field</th><th>Result</th><th>(mg/kg)^f</th><th>Paradigm</th></t<>	Sample Name	Field Duplicate	C)	Duplicate Mobile#	(mg/kg)*	Field Result	Field	Result	(mg/kg) ^f	Paradigm
Dup 1/19/2001 2609 2615 0.10 U 0.10 U 0.06 0.18 U 0.16 U Dup 1/10/2001 2625 2631 0.32 0.44 -17.1 0.16 U 0.18 U	LPP-GP1-001	Dup 11/18/2001	2584	2595	105.0	89.0	16.5	(S.,,S.,,)	110	Nesults
Dup 11/20/2001 2645 2641 0.32 0.44 -17.1 0.16 U 0.18 U Dup 11/20/2001 2645 2648 0.10 U 0.10 U 0.0 0.17 U 0.18 Dup 12/02/2001 2645 2648 0.10 U 0.10 U 0.0 0.17 U 0.18 Dup 12/02/2001 2652 2704 60.0 55.0 8.7 7.5 5.7 Dup 12/02/2001 2775 2748 14.0 14.0 0.0 0.48 1.4 Dup 12/02/2001 2776 2792 44.0 55.0 6.1 2.2 6.1 2.0 0.18 1.4 0.0 0.0 0.18 1.4 0.0 </td <td>LPP-GP10-002</td> <td>Dup 11/19/2001</td> <td>2609</td> <td>2615</td> <td>0.10</td> <td>0.10 U</td> <td></td> <td>0.18 U</td> <td></td> <td>11.8</td>	LPP-GP10-002	Dup 11/19/2001	2609	2615	0.10	0.10 U		0.18 U		11.8
Dup 1/30/2001 2645 2648 0.10 U 0.10 U 0.10 U 0.10 U 0.11 U 0.10 U 0.11 U 0.11 U 0.11 U 0.10 U 0.23 U 0.20 U 0.20 U 0.23 U 0.20	OHP-GP1-001	Dup 11/20/2001	2625	2631	0.32	0.4		0.16 U		0.11 0.11
Dup 12/01/2001 2661 2670 0.10 U 0.10 U 0.00 0.23 U 0.20 Dup 12/01/2001 2763 2764 6.0 55.0 8.7 7.5 5.7 Dup 12/02/2001 2763 2748 14.0 6.0 0.48 1.4 Dup 12/02/2001 2775 274 46.0 35.0 6.0 0.48 1.4 Dup 12/11/2001 2776 2802 44.0 35.0 22.8 4 2.0 Dup 12/11/2001 2778 2779 1.0 0.10 U 0.10 U 0.0 0.1 0.0	RFP-GP4-001	Dup 11/30/2001	2645	2648	0.10 U	0.10 U	0.0	0.17 U	59 55	7.5.7
Dup 12/02/2001 2692 2794 60.0 55.0 8.7 7.5 5.7 Dup 12/02/2001 2736 2748 14.0 14.0 0.0 0.48 1.4 Dup 12/05/2001 2734 2754 45.0 12.2 6.1 5.8 Dup 12/05/2001 2778 2797 1.0 1.0 0.0 0.6 0.61 0.61 0.61 0.0	RFP-GP9-001	Dup 12/01/2001	2661	2670	0.10 U	0.10 U	0.0	0.23 U		14.0
Dup 12/05/2001 2736 2748 14.0 14.0 16.0 0.48 Dup 12/06/2001 2734 2877 52.0 46.0 12.2 6.1 Dup 12/16/2001 2776 2802 44.0 33.0 22.8 4 Dup 12/16/2001 2778 2779 0.10 U 0.10 U 0.0 0.2 U Dup 12/16/2001 2813 2814 0.10 U 0.10 U 0.0 0.2 U Dup 12/16/2001 2825 2829 0.10 U 0.10 U 0.0 0.2 U Dup 12/16/2001 2835 2836 0.10 U 0.10 U 0.0 0.19 U Dup 12/16/2001 2853 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U Dup 12/16/2001 2863 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U Dup 12/16/2002 2884 48.0 0.10 U 0.10 U 0.10 U 0.10 U Dup 01/04/2002 2894 2885 0.67 1.0 -2.1 37	LLP-GP4-001	Dup 12/02/2001	2692	2704	0.09	55.0	8.7	7.5		277
Dup 12/06/2001 2754 2757 52.0 46.0 12.2 6.1 Dup 12/10/201 2776 2802 44.0 35.0 22.8 4 Dup 12/12/2001 2778 2779 1.0 0.10 U 0.0 0.2 U Dup 12/12/2001 2813 2894 0.10 U 0.10 U 0.0 0.2 U Dup 12/16/2001 2813 2829 0.10 U 0.10 U 0.0 0.2 U Dup 12/16/2001 2833 2836 0.28 0.10 U 0.10 U 0.0 0.19 U Dup 12/16/2001 2833 2836 0.10 U 0.10 U 0.10 U 0.19 U Dup 12/16/2001 2855 2859 0.41 U 0.10 U 0.12 U Dup 12/19/2001 2865 2869 0.10 U 0.12 U 0.18 U Dup 12/19/2001 2864 2895 0.67 1.0 -39.5 0.29 Dup 01/42/2002 2894 2895 0.67 1.0 -39.5 0.29 Dup	RFP-GP26-001	Dup 12/05/2001	2736	2748	14.0	14.0	0.0	0.48	4.	0.72
Dup 12/11/2001 2776 2802 44.0 35.0 22.8 4 Dup 12/12/2001 2778 2779 1.0 1.0 0.0 0.61 Dup 12/12/2001 2778 2779 0.10 U 0.10 U 0.0 0.2 U Dup 12/16/2001 2813 2814 0.10 U 0.10 U 0.0 0.10 U Dup 12/16/2001 2853 2859 0.10 U 0.10 U 0.0 0.18 U Dup 12/16/2001 2850 2853 0.10 U 0.10 U 0.0 0.19 U Dup 12/16/2001 2856 2859 0.10 U 0.10 U 0.0 0.19 U Dup 12/16/2001 2856 2858 0.10 U 0.12 U 0.0 0.19 U Dup 12/16/2002 2859 2859 0.10 U 0.12 U 0.18 U 0.18 U Dup 01/04/2002 2894 2895 0.67 U 1.0 -39.5 0.28 U Dup 01/04/2002 2943 2945 72.0 8.0 8.0 8.0	KFP-CP32-001	Dup 12/06/2001	2754	2757	52.0	46.0	12.2	6.1	8.5	0.5
Upp 12/12/2001 2778 2779 1.0 1.0 0.0 0.61 Dup 12/14/2001 2798 2799 0.10 U 0.10 U 0.0 0.2 U Dup 12/14/2001 2813 2814 0.10 U 0.10 U 0.0 0.2 U Dup 12/14/2001 2813 2829 0.10 U 0.10 U 0.0 0.19 U Dup 12/14/2001 2850 2853 0.10 U 0.10 U 0.0 0.19 U Dup 12/14/2001 2850 2853 0.010 U 0.10 U 0.0 0.19 U Dup 12/14/2002 2850 2859 0.41 0.32 24.7 0.19 U Dup 12/14/2002 2879 2889 0.10 U 0.10 0.12 0.18 U Dup 12/14/2002 2894 2895 0.67 1.0 -2.1 37 Dup 01/04/2002 2894 2895 0.67 1.0 -3.5 7.8 Dup 01/04/2002 2943 2945 7.2 7.8 -8.0 0.24	LPP-GP20-002	Dup 12/11/2001	2776	2802	44.0	35.0	22.8	4	2.00	7 99
Unp 12/14/2001 2798 0.10 U 0.10 U 0.00 U 0.2 U Dup 12/14/2001 2813 2814 0.10 U 0.10 U 0.0 U 0.0 U Dup 12/16/2001 2833 2829 0.10 U 0.10 U 0.0 U 0.0 U Dup 12/16/2001 2835 2836 0.28 0.10 U 0.10 U 0.10 U Dup 12/19/2001 2850 2853 0.10 U 0.10 U 0.10 U Dup 12/19/2001 2865 2859 0.41 U 0.12 U 0.10 U Dup 12/19/2001 2865 2868 0.10 U 0.12 U 0.10 U Dup 12/19/2002 2879 2889 48.0 49.0 -2.1 37 Dup 01/04/2002 2894 2895 0.67 1.0 -39.5 7.8 Dup 01/04/2002 2943 2945 72.0 78.0 -8.0 6.3 Dup 01/04/2002 2940 2945 7.2 -8.0 -8.0 6.0 Dup 01/04/2002 2945 294 <td>LPP-GP23-00]</td> <td>Dup 12/12/2001</td> <td>2778</td> <td>2779</td> <td>1.0</td> <td>1.0</td> <td>0.0</td> <td>0.61</td> <td>0.61</td> <td>0.0</td>	LPP-GP23-00]	Dup 12/12/2001	2778	2779	1.0	1.0	0.0	0.61	0.61	0.0
Dup 12/15/2001 2813 2814 0.10 U 0.10 U 0.0 0.2 U Dup 12/15/2001 2825 2829 0.10 U 0.10 U 0.0 0.18 U Dup 12/16/2001 2833 2836 0.10 U 0.10 U 0.0 0.19 U Dup 12/18/2001 2850 2859 0.10 U 0.10 U 0.0 0.19 U Dup 12/19/2001 2865 2869 0.10 U 0.12 -182 0.19 U Dup 12/20/2001 2865 2889 48.0 -2.1 37 0.18 U Dup 01/03/2002 2879 2889 48.0 -2.1 37 0.29 Dup 01/04/2002 2894 2895 0.67 1.0 -39.5 0.29 Dup 01/04/2002 2943 2945 72.0 78.0 -8.0 54.5 7.8 Dup 01/08/2002 2943 2945 72.0 78.0 -8.0 6.3 Dup 01/10/2002 2950 2985 0.14 0.10 U 38.0 0.21 U </td <td>HGF-GF10-003</td> <td>Dup 12/14/2001</td> <td>2798</td> <td>2799</td> <td>0.10 U</td> <td>0.10 U</td> <td>0.0</td> <td></td> <td>0,18 U</td> <td>10.5</td>	HGF-GF10-003	Dup 12/14/2001	2798	2799	0.10 U	0.10 U	0.0		0,18 U	10.5
Dup 12/16/2001 28.25 28.29 0.10 U 0.10 U 0.10 U 0.18 U Dup 12/17/2001 28.33 28.36 0.28 0.32 -13.3 0.19 U Dup 12/18/2001 28.50 28.53 0.10 U 0.10 U 0.0 0.19 U Dup 12/19/2001 28.56 28.59 0.10 U 0.12 -18.2 0.13 U Dup 12/19/2001 28.65 28.68 0.10 U 0.12 -18.2 0.13 U Dup 12/19/2001 28.79 28.89 48.0 49.0 -2.1 37 Dup 01/03/2002 28.79 28.89 0.67 1.0 -39.5 0.29 Dup 01/03/2002 28.79 28.89 0.67 1.0 -39.5 0.29 Dup 01/04/2002 28.79 28.89 0.67 1.0 -39.5 0.29 Dup 01/04/2002 28.94 0.24 7.0 7.8 -8.0 6.3 Dup 01/08/2002 29.95 29.64 0.24 0.18 28.0 -8.0	Cen Cho oog	Dup 12/15/2001	2813	2814	0.10 U	0.10 U	0.0	0.2 U	1	0.0
Dup 12/17/2001 28.34 0.28 0.32 -13.3 0.19 U Dup 12/17/2001 28.50 28.53 0.10 U 0.10 U 0.0 0.19 U Dup 12/18/2001 28.56 28.59 0.41 0.32 24.7 0.21 U Dup 12/19/2001 28.55 28.68 0.10 U 0.12 -18.2 0.18 U Dup 01/03/2002 28.79 28.89 48.0 49.0 -2.1 37 Dup 01/04/2002 28.94 28.95 0.67 1.0 -39.5 0.29 Dup 01/04/2002 28.94 28.95 0.67 1.0 -39.5 0.29 Dup 01/04/2002 29.43 29.45 72.0 78.0 -8.0 6.3 Dup 01/16/2002 29.65 29.64 0.24 0.18 28.6 0.21 U Dup 01/16/2002 30.8 30.03 0.93 2.2 -81.2 0.47 Dup 01/12/2002 30.9 30.9 0.10 U 0.10 U 0.0 0.36 <	CSP-GP9-003	Dup 12/16/2001	2825	2829	0.10 U	0.10 U	0.0	0.18 U		-10.5
Dup 1/18/2001 2850 2853 0.10 U 0.10 U 0.0 0.19 U Dup 12/19/2001 2856 2859 0.41 0.32 24.7 0.21 U Dup 12/20/2001 2865 2868 0.10 U 0.12 -18.2 0.18 U Dup 01/03/2002 2879 2889 48.0 49.0 -2.1 37 Dup 01/04/2002 2894 2895 0.67 1.0 -39.5 0.29 Dup 01/04/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/04/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/04/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/10/2002 2956 2964 0.24 0.18 28.6 0.21 U Dup 01/12/2002 3048 3049 0.14 0.10 U 33.3 0.24 Dup 01/12/2002 3053 3056 1.3 -3.1 -2.1 0.36 Dup	CSF-CF10-001	1007/11/21 dn C	2833	2836	0.28	0.32	-13.3	U 61.0	U 61.0	0.0
Dup 12/19/2001 2856 2859 0.41 0.32 24.7 0.21 U Dup 12/20/2001 2865 2868 0.10 U 0.12 -18.2 0.18 U Dup 01/03/2002 2879 2889 48.0 49.0 -2.1 37 Dup 01/03/2002 2894 2895 0.67 1.0 -39.5 0.29 Dup 01/07/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/07/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/10/2002 2965 2964 0.24 0.18 28.6 0.21 U Dup 01/11/2002 3068 3063 0.93 2.2 -81.2 0.24 Dup 01/11/2002 3024 3026 6.4 6.6 -31.2 2.2 Dup 01/11/2002 3039 0.84 1.3 -7.4 0.59 Dup 01/11/2002 3050 3050 0.10 U 0.10 U 0.0 0.0 Dup 01/14/2002 <t< td=""><td>DSF-GF4-001</td><td>Dup 12/18/2001</td><td>2850</td><td>2853</td><td></td><td>0.10 U</td><td>0.0</td><td>0.19 U</td><td>0.18 U</td><td>5.4</td></t<>	DSF-GF4-001	Dup 12/18/2001	2850	2853		0.10 U	0.0	0.19 U	0.18 U	5.4
Dup 1/2/2002/001 2865 2868 0.10 U 0.12 -18.2 0.18 U Dup 01/03/2002 2879 2889 48.0 49.0 -2.1 37 Dup 01/04/2002 2894 2895 0.67 1.0 -39.5 0.29 Dup 01/04/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/07/2002 2965 2964 0.24 0.18 28.6 0.21 U Dup 01/10/2002 2965 2964 0.24 0.18 28.6 0.21 U Dup 01/11/2002 3008 3003 0.93 2.2 -81.2 0.24 Dup 01/11/2002 3024 3026 6.4 6.6 -3.1 2.2 Dup 01/14/2002 3031 3098 0.10 U 0.10 U 0.0 0.36 Dup 01/16/2002 3118 3121 46.0 51.0 -10.3 2.2 Dup 01/16/2002 3128 3134 0.10 U 0.10 U 0.0 0.10 U <t< td=""><td>DUM COS 001</td><td>Dug 12/19/2001</td><td>0087</td><td>6587</td><td></td><td>0.32</td><td>24.7</td><td>0.21 U</td><td>0.20 U</td><td>4.9</td></t<>	DUM COS 001	Dug 12/19/2001	0087	6587		0.32	24.7	0.21 U	0.20 U	4.9
Dup 01/03/2002 28/9 48.0 49.0 -2.1 37 Dup 01/04/2002 2894 2895 0.67 1.0 -39.5 0.29 Dup 01/04/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/08/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/08/2002 2965 2964 0.24 0.18 28.6 0.21 U Dup 01/10/2002 2960 2985 0.14 0.10 U 33.3 0.24 Dup 01/11/2002 3008 3003 0.93 2.2 -81.2 0.47 Dup 01/11/2002 3024 3026 6.4 6.6 -3.1 2.2 Dup 01/11/2002 3053 3060 1.3 1.4 -7.4 0.59 Dup 01/15/2002 3118 3121 46.0 51.0 -10.3 2.2 Dup 01/15/2002 3128 3134 0.10 U 0.10 U 0.0 0.9 0.10 U Dup 01/17/200	Cen Cut 2001	Dub 12/20/2001	2865	2868	0.10 U	0.12	-18.2		0.18 U	0.0
Dup 01/04/2002 2894 2895 0.67 1.0 -39.5 0.29 Dup 01/07/2002 2937 2938 14.0 8.0 54.5 7.8 Dup 01/08/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/08/2002 2965 2964 0.24 0.18 28.6 0.21 U Dup 01/10/2002 2960 2985 0.14 0.10 U 33.3 0.24 Dup 01/11/2002 3008 3008 3003 0.93 2.2 -81.2 0.47 Dup 01/11/2002 3024 3026 6.4 6.6 -3.1 2.2 Dup 01/11/2002 3031 3050 0.84 1.3 -43.0 0.36 Dup 01/14/2002 3053 3060 1.3 1.4 -7.4 0.59 Dup 01/15/2002 3118 3121 46.0 51.0 -10.3 22 Dup 01/17/2002 3128 3134 0.10 U 0.10 U 0.0 0.0 0.0	CSF-CF12-001	Dup 01/03/2002	2879	2889	48.0	49.0	-2.1	37	33	11.4
Dup 01/07/2002 2937 2938 14.0 8.0 54.5 7.8 Dup 01/08/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/09/2002 2965 2964 0.24 0.18 28.6 0.21 U Dup 01/10/2002 3908 3903 0.93 2.2 -81.2 0.47 Dup 01/11/2002 3024 3026 6.4 6.6 -3.1 2.2 Dup 01/12/2002 3031 3036 0.84 1.3 -43.0 0.36 Dup 01/13/2002 3053 3060 1.3 1.4 -7.4 0.59 Dup 01/15/2002 3118 3121 46.0 51.0 0.10 U 0.0 0.21 U Dup 01/17/2002 3118 3121 46.0 51.0 -10.3 2.2 2.2 Dup 01/17/2002 3118 3124 6.6 5.0 0.10.3 0.19 U Dup 01/24/2002 3153 3154 0.10 U 0.10 U 0.10 U 0.10		Dup 01/04/2002	2894	2895	0.67	1.0	-39.5	0.29	0.37	-242
Dup 01/08/2002 2943 2945 72.0 78.0 -8.0 63 Dup 01/09/2002 2965 2964 0.24 0.18 28.6 0.21 U Dup 01/10/2002 2990 2985 0.14 0.10 U 33.3 0.24 Dup 01/12/2002 3008 3003 0.93 2.2 -81.2 0.47 Dup 01/12/2002 3031 3026 6.4 6.6 -3.1 2.2 Dup 01/12/2002 3031 3039 0.84 1.3 -43.0 0.36 Dup 01/13/2002 3053 3060 1.3 1.4 -7.4 0.59 Dup 01/15/2002 3118 3121 46.0 51.0 0.10 U 0.0 0.21 U Dup 01/17/2002 3118 3121 46.0 51.0 -10.3 2.2 0.36 Dup 01/24/2002 3128 3134 0.10 U 0.10 U 0.0 0.19 U Dup 01/24/2002 3153 3159 0.10 U 0.10 U 0.0 <td< td=""><td></td><td>Dup 01/07/2002</td><td>2937</td><td>2938</td><td>14.0</td><td>8.0</td><td>54.5</td><td>7.8</td><td>7.2</td><td>8.0</td></td<>		Dup 01/07/2002	2937	2938	14.0	8.0	54.5	7.8	7.2	8.0
Dup 01/10/2002 290 2964 0.24 0.18 28.6 0.21 U Dup 01/10/2002 2990 2985 0.14 0.10 U 33.3 0.24 Dup 01/11/2002 3008 3003 0.93 2.2 -81.2 0.47 Dup 01/13/2002 3024 3026 6.4 6.6 -3.1 2.2 Dup 01/13/2002 3053 3060 1.3 -43.0 0.36 Dup 01/15/2002 3053 3060 1.3 1.4 -7.4 0.59 Dup 01/15/2002 3118 3121 46.0 51.0 0.10 U 0.0 0.21 U Dup 01/15/2002 3128 3127 6.6 5.6 16.4 0.98 Dup 01/17/2002 3128 3134 0.10 U 0.10 U 0.0 0.19 U Dup 01/24/2002 3153 3159 0.10 U 0.10 U 0.0 0.19 U	_ _	Dup 01/08/2002	2943	2945	72.0	78.0	-8.0	63	54	15.4
Dup 01/11/2002 308 308 0.14 0.10 U 33.3 0.24 Dup 01/11/2002 3008 3003 0.93 2.2 -81.2 0.47 Dup 01/12/2002 3024 3026 6.4 6.6 -3.1 2.2 Dup 01/13/2002 3031 3039 0.84 1.3 -43.0 0.36 Dup 01/15/2002 3090 3098 0.10 U 0.10 U 0.0 0.21 U Dup 01/16/2002 3118 3121 46.0 51.0 -10.3 22 Dup 01/17/2002 3128 3134 0.10 U 0.10 U 0.098 Dup 01/24/2002 3153 3159 0.10 U 0.10 U 0.010 U	HGP-GP20-001	Dun 01/10/2002	0000	2006	0.24	0.18	28.6			-13.3
Dup 01/12/2002 3004 3005 0.93 2.2 -81.2 0.47 1.4 Dup 01/12/2002 3024 3026 6.4 6.6 -3.1 2.2 0.66 Dup 01/13/2002 3031 3026 0.84 1.3 43.0 0.36 0.18 Dup 01/14/2002 3090 3098 0.10 0.10 0.0 0.21 0 0.20 Dup 01/16/2002 3118 3121 46.0 51.0 -10.3 22 13 Dup 01/17/2002 3123 3127 6.6 5.6 16.4 0.98 1 Dup 01/24/2002 3153 3159 0.10 0.10 0.10 0.10 0.10 0.10 0.17 0	FWP GP1 003	Dun 01/11/2002	0000	2982	0.14	0.10 U	33.3	0.24	0.20 U	18.2
Dup 01/13/2002 3024 3026 6.4 6.6 -3.1 2.2 0.64 Dup 01/13/2002 3031 3039 0.84 1.3 -43.0 0.36 0.18 Dup 01/15/2002 3090 3098 0.10 U 0.10 U 0.0 0.21 U 0.29 Dup 01/15/2002 3118 3121 46.0 51.0 -10.3 22 13 Dup 01/17/2002 3128 3127 6.6 5.6 16.4 0.98 1 Dup 01/24/2002 3153 3159 0.10 U 0.10 U 0.0 0.17 U 0.17 U	EWP-GP\$-002	Dun 01/12/2002	2000	3003	0.93	2.2	-81.2	0.47	1.4	5.66-
Dup 01/13/2002 3051 3059 0.84 1.3 -43.0 0.36 0.18 Dup 01/14/2002 3053 3060 1.3 1.4 -7.4 0.59 0.20 Dup 01/15/2002 3118 3121 46.0 51.0 -10.3 22 13 Dup 01/17/2002 3128 3127 6.6 5.6 16.4 0.98 1 Dup 01/23/2002 3128 3134 0.10 U 0.10 U 0.09 U 0.19 U 0.17 U <td>EWP GP7 002</td> <td>Dut 01/12/2002</td> <td>2024</td> <td>3070</td> <td>6,4</td> <td>9.9</td> <td>-3.1</td> <td>2.2</td> <td>99.0</td> <td>107.7</td>	EWP GP7 002	Dut 01/12/2002	2024	3070	6,4	9.9	-3.1	2.2	99.0	107.7
Dup 01/14/2002 3053 3060 1.3 1.4 -7.4 0.59 0.20 Dup 01/15/2002 3090 3098 0.10 U 0.10 U 0.0 0.21 U 0.29 Dup 01/17/2002 3118 3121 46.0 51.0 -10.3 22 13 Dup 01/17/2002 3128 3127 6.6 5.6 16.4 0.98 1 Dup 01/23/2002 3158 3159 0.10 U 0.10 U 0.0 0.17 U 0.17 U	EWD CD14 003	Dup 01/13/2002	3031	3039	0.84	1.3	-43.0	0.36		66.7
Dup 01/15/2002 3198 0.10 U 0.10 U 0.00 U 0.21 U 0.23 U 0.29 Dup 01/16/2002 3118 3121 46.0 51.0 -10.3 22 13 Dup 01/17/2002 3128 3127 6.6 5.6 16.4 0.98 1 Dup 01/23/2002 3158 3159 0.10 U 0.10 U 0.0 0.17 U 0.17 U	EWP C037 003	Dup 01/14/2002	5005	3060	13	1.4	-7.4	0.59		7.86
Dup 01/13/2002 3118 3121 46.0 51.0 -10.3 22 13 Dup 01/17/2002 3123 3127 6.6 5.6 16.4 0.98 1 Dup 01/23/2002 3128 3134 0.10 U 0.10 U 0.0 0.19 U 0.18 Dup 01/24/2002 3153 3159 0.10 U 0.10 U 0.0 0.17 U 0.17 U	FWF-GF27-002	2002/21/10 dn/1	3090	3098	0.10 U	0.10 U	0.0	22-000	12 100	-32.0
Dup 01/24/2002 3123 3127 6.6 5.6 16.4 0.98 1 Dup 01/24/2002 3153 3154 0.10 U 0.10 U 0.0 0.19 U 0.18 U Dup 01/24/2002 3153 3159 0.10 U 0.10 U 0.0 0.17 U 0.17 U	EWF-0F3/-001	Dup 01/16/2002	3118	3121	46.0	51.0	-10.3	22	13	51.4
Dup 01/24/2002 3153 3159 0.10 U 0.10 U 0.00 U 0.10 U 0.11 U	HGP_GP22_004	Dun 01/17/2002	3173	7715		5.6	16.4	0.98		-2.0
0.10 U 0.17 U	HGP-GP35-001	Dup 01/23/2002	3163	3150		0.10 U	0.0	0.19 U	0.18 U	5.4
	TAN-CO TO TOTAL	7007/1-7/10 007		2139	0.10 U	0.10 U	0.0	0.17 U		0.0

Sample Name Field Duplicate (mg/kg)* Field Result (mg/kg)* Field Result (mg/kg)* Field Result (mg/kg)* Results (mg/kg)* Results (mg/kg)* Results (mg/kg)* Field to publication of the control of	is a	Com	marison o	f PCR (Ar	Ta	Table 2				
Paradigm Paradigm					OCIOI TOOO) NE	uits Detween	sample and	Duplicate Pair		
E Field Dupplicate Mobile # Mobile		200			Dielet December	:: :	Relative %		Paradigm	Relative %
Fried Duplicate Mobile (Mobile					rieiu Kesuii	Duplicate	Difference,	Paradigm	Result	Difference.
nearly complement from the property (nag/kg) Results (nag/kg) Results 2 Dup 01/26/2002 3187 3187 0.10 U 0.10 U 0.00 U 0.17 U 0.19 U 2 Dup 01/26/2002 3183 3187 0.10 U 0.10 U 0.00 U 0.19 U 0.19 U 1 Dup 01/26/2002 3218 3223 0.11 U 0.10 U 0.00 U 0.41 U 0.32 U 0.32 U 1 Dup 01/36/2002 3248 3253 0.10 U 0.10 U 0.00 U 0.19 U 0.18 U 0.22 U 1.1 1 Dup 01/36/2002 3248 3255 0.10 U 0.10 U 0.00 U 0.18 U 0.18 U 0.22 U 1.1 1 Dup 01/36/2002 3318 3320 0.10 U 0.10 U 0.00 U 0.18 U 0	Course Monto	Field Dunlicote		Duplicate	(mg/kg)`	Field Result	Field	Result	(mg/kg) ^f	Paradigm
1 Dup 01/28/2002 3177 3178 0.10 U 0.10 U 0.17 U 0.18 U 0.17 U 0.18 U 0.17 U 0.18 U <th< th=""><th>Sample Name</th><th>rica Daplicate</th><th></th><th>ty1001/16 #</th><th></th><th>(mg/kg)</th><th>Results</th><th>(mg/kg)</th><th>10</th><th>Results</th></th<>	Sample Name	rica Daplicate		ty1001/16 #		(mg/kg)	Results	(mg/kg)	10	Results
2 Dup 01/26/2002 3183 3187 0.13 0.10 U 26.1 0.20 U 0.19 U 1 Dup 01/26/2002 3318 3313 0.10 U 0.10 U 9.5 0.00 U 0.37 U 3.7 1 Dup 01/28/2002 3318 3233 0.10 U 0.10 U 0.09 U 0.20 U 0.23 U 0.22 U 0.20 U<	LPP-GP28-006	Dup 01/25/2002	3177	3178		0.10 U	0.0	0.17 U	0.17 U	0.0
1 Dup 01/32/2002 3213 3213 0.10 U 0.10 U 0.64 U 0.37 U 1 Dup 01/32/2002 3245 3223 0.10 U 0.10 U 0.00 U 0.40 U 0.23 U 0.25 U 1 Dup 01/32/2002 3248 3253 0.10 U 0.10 U 0.00 U 0.19 U 0.18 U 0.20 U 0.20 U 0.18 U 0.20 U 0.18 U 0.20 U <	FWP-GP35-002	Dup 01/26/2002	3183	3187	0.13	0.10 U	26.1	0.20 U		5.1
Dup 01/28/2002 3245 3223 0.11 0.10 U 0.0 0.0 0.0 0.25 U 0.25 U 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	PWP-GP12-001	Dup 01/27/2002	3212	3213	0.10 U	0.10 U	0.0	0.41 11		103
1 Dup 01/39/2002 3248 3253 0.10 U 0.10 U 0.0 0.19 U 0.27 U Dup 01/39/2002 3266 3275 0.10 U 0.10 U 0.0 0.19 U 0.18 U 0.13 U Dup 01/31/2002 3284 3288 0.10 U 0.10 U 0.0 0.19 U 0.18 U 0.10 U Dup 02/08/2002 3334 3326 0.10 U 0.10 U 0.0 0.19 U 0.18 U 0.20 U Dup 02/10/2002 3345 3333 0.56 1.3 796 0.20 U 0.20 U Dup 02/11/2002 3347 0.10 U 0.10 U 0.10 U 0.20 U 0.22 U Dup 02/11/2002 3347 0.10 U 0.10 U 0.20 U 0.20 U Dup 02/11/2002 3347 3404 1.0 1.0 0.10 U 0.20 U 0.19 U Dup 02/11/2002 3442 3452 30 32.6 3.1 4.9 4.8 Dup 02/11/2002 3442 3483 0.51 0.51 0	PWP-GP14-001	Dup 01/28/2002	3215	3223	0.11	0.10 U	9.5		0.25 11	22.2
Dap 01/2002002 3265 3275 0.10 U 0.10 U 0.19 U 0.19 U 0.18 U 0.19 U 0	PWP-GP32-001	Dup 01/29/2002	3248	3253	0.10 U	0.10 U	0.0		1	20.0
Dup 01/31/2002 3283 3285 0.10 U 0.10 U 0.00 0.18 U 0.20 U Dup 02/08/2002 3124 3328 0.10 U 0.10 U 0.00 0.19 U 0.18 U 0.20 U Dup 02/10/2002 3134 0.36 1.3 0.56 1.3 0.20 U 0.20 U Dup 02/11/2002 3343 0.36 1.0 0.10 U 0.10 U 0.20 U 0.20 U Dup 02/11/2002 3375 3377 0.10 U 0.10 U 0.0 0.20 U 0.22 U Dup 02/11/2002 3375 3377 0.10 U 0.10 U 0.0 0.17 U 0.22 U Dup 02/14/2002 3414 3423 3.2 5.2 5.6 7.4 4.9 0.19 U Dup 5/14/2002 3414 3423 300 320.0 6.5 1.0 0.10 U 0.10 U 0.00 U 0.15 U 0.10 U 0.10 U 0.10 U 0.10 U 0.00 U 0.12 U 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U<	HP-GP6-001	Dup 01/30/2002	3269	3275	0.10 U	0.10 U	0.0	11 61 0		20.0
Dup 02/08/2002 3294 3298 0.10 U 0.10 U 0.0 0.19 U 0.18 U Dup 02/08/2002 3313 3220 0.10 U 0.10 U 0.0 0.19 U 0.18 U Dup 02/10/2002 3314 3329 0.56 1.3 -79,6 0.20 U 0.22 U Dup 02/11/2002 3375 3377 0.10 U 0.10 U 0.0 0.20 U 0.22 U Dup 02/11/2002 3373 3384 0.10 U 0.10 U 0.0 0.20 U 0.22 U Dup 02/13/2002 3403 3404 1.0 1.0 0.0 0.10 U 0.20 U 0.22 U Dup 02/13/2002 3480 0.10 U 0.10 U 0.0 0.10 U 0.20 U 0.19 U Dup 5/13/2002 3480 0.51 0.10 U 0.0 0.10 U 0.09 0.19 U 0.19 U Dup 5/13/2002 3480 0.51 0.10 U 0.10 U 0.00 0.00 0.09 U 0.19 U Dup 5/13/2002 3572	AWP-GP3-002	Dup 01/31/2002	3283	3285	0.10 U	0.10 U	0.0	0 18 11		3.4
Dup 02/09/2002 3313 3320 0.10 U 0.10 U 0.00 U 0.23 U 0.20 U Dup 02/09/2002 3326 3333 0.56 1.3 -79.6 0.20 U 0.22 U Dup 02/12/2002 3375 337 0.10 U 0.10 U 0.0 0.17 U 0.22 U Dup 02/12/2002 3383 337 0.10 U 0.10 U 0.0 0.17 U 0.22 U Dup 02/12/2002 3403 3404 1.0 1.0 0.0 0.17 U 0.32 U Dup 02/12/2002 3403 3404 1.0 1.0 0.0 0.17 U 0.33 Dup 02/14/2002 3480 3482 0.10 U 0.10 U 0.0 0.17 U 0.39 Dup 5/14/2002 3480 3482 0.50 0.10 U 0.00 0.09 0.19 U Dup 5/13/2002 3480 0.51 0.10 U 0.10 U 0.00 0.09 0.19 U Dup 5/13/2002 3580 0.48 0.50 -4.08 0.27	LPP-GP28-003	Dup 02/08/2002	3294	3298	0.10 U	0.10 U	00	11 61 0		-10.5
Dup 02/10/2002 3346 3333 0.56 1.3 -79.6 0.20	LPP-GP34-003	Dup 02/09/2002	3313	3320		0.10 U	0.0	0 23 11		4.0
Dup 02/11/2002 3341 3349 0,43 0,70 -47.8 0,28 0,24 U Dup 02/12/2002 3375 3377 0,10 U 0,10 U 0,0 0,17 U 0,29 U 0,24 U Dup 02/12/2002 3383 3384 0,10 U 0,10 U 0,0 0,17 U 0,33 U Dup 02/13/2002 3414 3423 5.2 5.6 -7.4 4.9 4.8 Dup 5/10/2002 3442 3452 5.0 -6.5 360 410 -1.9 Dup 5/10/2002 3442 3483 0,10 U 0,10 U 0,09 0,09 0,19 U Dup 5/10/2002 3480 3483 0,10 U 0,10 U 0,09 0,092 U 0,094 U Dup 5/13/2002 3502 3548 0,10 U 0,10 U 0,10 U 0,092 U 0,094 U Dup 5/13/2002 3579 3572 7.40 56.0 -37.7 4.3 5.8 Dup 5/13/2002 3580 3586 11.0 0,10 U	LPP-GP38-003	Dup 02/10/2002	3326	3333	0.56	1.3	964-	0.00	0 02.0	0.4.0
Dup 02/12/2002 3375 0.10 U 0.00 U 0.00 U 4.8	LPP-GP43-002	Dup 02/11/2002	3341	3349	0.43	0.70	0.77	00.00	0.22.0	C.K-
Dup 62/13/2002 3383 3388 0.10 U 0.10 U 0.17 U 0.12 U Dup 62/13/2002 3403 3388 0.10 U 0.10 U 0.17 U 0.13 U Dup 62/14/2002 3403 3404 1.0 1.0 3.1 4.9 4.8 Dup 5/12/2002 3442 3423 5.2 5.6 -7.4 4.9 4.8 Dup 5/11/2002 3480 3483 0.51 0.10 U 0.00 0.05 4.10 Dup 5/11/2002 3480 3483 0.10 U 0.10 U 0.00 0.09 0.097 U Dup 5/13/2002 3562 358 0.10 U 0.10 U 0.00 0.092 U 0.094 U Dup 5/13/2002 3572 3572 74.0 56.0 27.7 43 5.8 Dup 5/13/2002 3579 3572 74.0 56.0 2.7 0.09 0.00 Dup 5/13/2002 3580 3610 0.10 U 0.10 U 0.00 0.059 U 0.076 U	LPP-GP54-002	Dup 02/12/2002	3375	3377	0.10 11	0 10 11	0.75	0.00	0.24 U	15.4
Dup 5/19/2002 3403 3404 1.0 1.0 3.1 0.19 O.19 O.19 O.19 O.19 O.19 O.19 O.19 O	LPP-GP57-002	Dup 02/13/2002	3383	3388	0.10 TT	0.10 11	0.0	0.07.0		C K-
Dup 5/09/2002 3414 3423 5.2 5.6 7.4 4.9 4.8 Dup 5/10/2002 3442 3452 300 320.0 -5.1 0.19 U 4.9 4.8 Dup 5/10/2002 3482 3452 300 320.0 -6.5 360 410 Dup 5/10/2002 3480 3483 0.10 U 0.10 U 0.00 0.092 U 0.097 U Dup 5/13/2002 3502 3508 0.10 U 0.10 U 0.00 0.092 U 0.084 U Dup 5/15/2002 3532 3547 0.64 0.69 -7.5 0.089 0.66 Dup 5/15/2002 3579 3572 74.0 56.0 -7.5 0.089 0.66 Dup 5/17/02 3580 3586 11.0 1.00 U 0.10 U 0.089 0.66 Dup 5/17/02 3581 4.3 3.9 9.8 2.5 3.4 Dup 5/17/02 3624 3627 0.10 U 0.10 U 0.069 0.076 U	LPP-GP63-001	Dup 02/14/2002	3403	3404	01	01	2.2	0.10		-04.0
Dup 5/10/2002 3442 3452 300 320.0 -6.5 360 410 1 Dup 5/11/2002 3480 3483 0.51 0.10 U 134.4 0.65 0.097 U 2 Dup 5/13/2002 3480 3483 0.10 U 0.10 U 0.00 0.092 U 0.097 U 3 Dup 5/13/2002 3502 3508 0.10 U 0.10 U 0.00 0.092 U 0.084 U 1 Dup 5/15/2002 3532 3547 0.64 0.69 -7.5 0.089 0.66 1 Dup 5/16/2002 3579 3572 74.0 56.0 27.7 43 27 2 Dup 5/16/2002 3580 3586 11.0 0.10 U 0.10 U 0.09 0.059 U 0.076 U 2 Dup 5/21/2002 3580 3610 4.3 3.9 9.8 2.5 3.4 3 Dup 5/21/2002 3624 3627 0.10 U 0.10 U 0.076 U 0.076 U 0.079 U 3 Dup 5/22/2002 3652 3652 0.10 U 0.10 U </td <td>LPP-GP67-001</td> <td>Dup 5/09/2002</td> <td>3414</td> <td>3423</td> <td>5.2</td> <td>5.6</td> <td>-74</td> <td>7.0</td> <td></td> <td>41.7</td>	LPP-GP67-001	Dup 5/09/2002	3414	3423	5.2	5.6	-74	7.0		41.7
I Dup 5/11/2002 3480 3483 0.51 0.10 U 1344 0.65 0.097 U 2 Dup 5/13/2002 3497 3498 0.10 U 0.10 U 0.065 0.092 U 0.084 U 3 Dup 5/13/2002 3502 3508 0.48 0.50 -4.08 0.27 0.084 U 1 Dup 5/16/2002 3532 3547 0.64 0.69 -7.5 0.089 0.066 2 Dup 5/16/2002 3579 3580 3580 11.0 16.0 -37.0 43 5.8 3 Dup 5/16/2002 3580 368 0.10 U 0.10 U 0.099 U 0.056 U 4 Dup 5/16/2002 3581 3582 0.10 U 0.10 U 0.00 0.059 U 0.076 U 5 Dup 5/21/2002 3608 3610 4.3 3.9 9.8 2.5 3.4 6 Dup 5/21/2002 3624 3627 0.10 U 0.10 U 0.00 0.059 U 0.076 U 6 Dup 5/21/2002 3658 3662 0.10 U 0.10 U	LPP-GP78-001	Dup 5/10/2002	3442	3452	300	3000	5 9	670	4.0	2.1
2 Dup 5/13/2002 3497 3498 0.10 U 0.10 U 0.00 0.092 U 0.097 U Dup 5/13/2002 3502 3508 0.10 U 0.10 U 0.00 0.092 U 0.084 U Dup 5/15/2002 3502 3508 0.48 0.50 -7.5 0.089 0.66 Dup 5/15/2002 3532 3547 0.64 0.69 -7.5 0.089 0.66 Dup 5/15/2002 3580 3586 11.0 16.0 -37.0 5.8 5.8 Dup 5/17/2002 3501 3592 0.10 U 0.10 U 0.00 0.059 U 0.076 U Dup 5/21/2002 3608 3610 4.3 3.9 9.8 2.5 5.8 Dup 5/21/2002 3624 3627 0.10 U 0.10 U 0.00 0.059 U 0.076 U Dup 5/28/2002 3643 3646 1.7 1.9 -11.1 0.076 U 0.076 U Dup 5/28/2002 3656 3662 0.10 U 0.00 0.066	FWP-GP42-001	Dup 5/11/2002	3480	3483	0.51	11 01 0	7 7 7	2000	410	-13.0
Dup 5/15/2002 3502 3508 0.10 U 0.05 0.000 0.092 U 0.084 U 0.00 Dup 5/15/2002 3502 3508 0.48 0.50 -4.08 0.27 0.089 0.66 Dup 5/15/2002 3532 3547 0.64 0.69 -7.5 0.089 0.66 Dup 5/15/2002 3579 3572 74.0 56.0 27.7 43 27 Dup 5/17/02 3580 3586 11.0 16.0 -37.0 5.8 5.8 Dup 5/17/02 3591 3592 0.10 U 0.10 U 0.099 U 0.076 U Dup 5/21/2002 3608 3610 4.3 3.9 9.8 2.5 3.4 Dup 5/21/2002 3624 3627 0.45 0.10 U 0.10 U 0.00 0.076 U 0.079 U Dup 5/21/2002 3646 1.7 1.9 -11.1 0.83 0.070 U 0.00 0.076 U 0.079 U Dup 5/28/2002 3656 3667 0.10 U 0.10 U 0	FWP-GP47-002	Dim 5/13/2002	3497	2408	10.0	0.10	134,4	0.65	0.097 U	148.1
Dup 5/15/2002 350 0.48 0.50 -4.08 0.27 0.20 Dup 5/15/2002 3532 3547 0.64 0.69 -7.5 0.089 0.66 Dup 5/15/2002 3579 3572 74.0 56.0 27.7 43 27 Dup 5/17/02 3580 3586 11.0 16.0 -37.0 5.8 5.8 Dup 5/17/02 3580 368 11.0 0.10 U 0.10 U 0.059 U 0.076 U Dup 5/21/2002 3608 3610 4.3 3.9 9.8 2.5 3.4 Dup 5/22/2002 3628 3639 0.11 0.10 U 0.10 U 0.10 U 0.076 U 0.076 U Dup 5/22/2002 3658 3662 0.10 U 0.10 U 0.10 U 0.00 0.076 U 0.079 U Dup 5/29/2002 3654 3672 0.10 U 0.10 U 0.10 U 0.10 U 0.00 0.006 U 0.079 U Dup 5/29/2002 3684 3687 10.10 U	SMP-GP2-001	Dun 5/14/2002	3500	3500	0.10	0.10 U	0.00	0.092 U	0.084 U	9.1
b Dup 5/13/2002 35.24 35.47 0.64 0.69 -7.5 0.089 0.66 b Dup 5/15/2002 35.79 35.72 74.0 56.0 27.7 43 2.7 Dup 5/17/02 3580 3586 11.0 16.0 -37.0 5.8 5.8 Dup 5/17/02 3591 3592 0.10 U 0.10 U 0.00 0.059 U 0.076 U Dup 5/21/2002 3608 3610 4.3 3.9 9.8 2.5 3.4 Dup 5/21/2002 3624 3627 0.45 0.10 U 127.3 0.37 2.1 Dup 5/25/2002 3643 3646 1.7 1.9 -11.1 0.83 1 Dup 5/28/2002 3656 3662 0.10 U 0.10 U 0.00 0.058 U 0.079 U Dup 5/28/2002 3684 3687 10.0 U 0.10 U 0.00 0.066 U 0.079 U Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.074 U	SIMP GP12.001	Dun 5/15/2002	7000	2500	0.48	0.50	-4.08	0.27	0.20	29.8
Dup 5/16/2002 3579 3572 74.0 56.0 27.7 43 27 Dup 5/17/02 3580 3586 11.0 16.0 -37.0 5.8 5.8 Dup 5/21/2002 3591 3592 0.10 U 0.10 U 0.059 U 0.076 U Dup 5/21/2002 3608 3610 4.3 3.9 9.8 2.5 3.4 Dup 5/24/2002 3624 3627 0.45 0.10 U 127.3 0.37 2.1 Dup 5/24/2002 3643 3646 1.7 1.9 -11.1 0.83 1 Dup 5/28/2002 3657 3667 0.10 U 0.10 U 0.00 0.078 U 0.079 U Dup 5/28/2002 3667 3672 0.10 U 0.10 U 0.00 0.066 U 0.069 U Dup 5/29/2002 3695 3703 0.10 U 0.10 U 0.00 0.074 U 0.078 U	100-71 IO-1010	17ap 3/13/2002	7666	354/	0.64	0.69	-7.5	0.089	99'0	-152.5
Dup 5/17/02 3580 3586 11.0 16.0 -37.0 5.8 5.8 Dup 5/21/2002 3591 3592 0.10 U 0.10 U 0.00 0.059 U 0.076 U Dup 5/21/2002 3608 3610 4.3 3.9 9.8 2.5 3.4 Dup 5/23/2002 3624 3627 0.45 0.10 U 127.3 0.37 2.1 Dup 5/23/2002 3643 3646 1.7 1.9 -11.1 0.83 1 Dup 5/27/2002 3656 3662 0.10 U 0.10 U 0.00 0.078 U 0.079 U Dup 5/28/2002 3684 3687 10.0 U 0.10 U 0.00 0.066 U 0.069 U Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.064 U 0.069 U	SMP-GP27-003	Dup 5/16/2002	3579	3572	74.0	56.0	27.7	43	27	45.7
Dup 5/21/2002 3591 3592 0.10 U 0.10 U 0.00 0.059 U 0.076 U Dup 5/22/2002 3608 3610 4.3 3.9 9.8 2.5 3.4 Dup 5/22/2002 3624 3627 0.45 0.10 U 127.3 0.37 2.1 Dup 5/23/2002 3628 3633 0.11 0.10 9.5 0.076 U 0.079 U Dup 5/23/2002 3656 3662 0.10 U 0.10 U 0.00 0.078 U 0.079 U Dup 5/28/2002 3667 3672 0.10 U 0.10 U 0.00 0.066 U 0.069 U Dup 5/29/2002 ⁴ 3684 3687 10.0 U 0.10 U 0.00 0.066 U 0.069 U Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.00 0.074 U 0.068 U	WKP-GP1-001	Dup 5/17/02	3580	3586		16.0	-37.0	5.8	5.8	0.0
Dup 5/22/2002 3608 3610 4.3 3.9 9.8 2.5 3.4 Dup 5/23/2002 3624 3627 0.45 0.10 U 127.3 0.37 2.1 Dup 5/24/2002 3628 3638 0.11 0.10 9.5 0.076 U 0.079 U Dup 5/27/2002 3643 3662 0.10 U 0.10 U 0.00 0.078 U 0.079 U Dup 5/28/2002 3667 3672 0.10 U 0.10 U 0.00 0.066 U 0.069 U Dup 5/29/2002 ⁴ 3684 3687 10.0 U 8.6 15.1 11 0.066 U 0.069 U Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.064 U 0.069 U	- 1	Dup 5/21/2002	3591	3592	0.10 U	0.10 U	00.0	U 650.0	U 9200	-25.2
Dup 5/23/2002 3624 3627 0.45 0.10 U 127.3 0.37 2.1 -1 Dup 5/24/2002 3628 3633 0.11 0.10 0.10 9.5 0.076 U 0.079 U Dup 5/24/2002 3643 3646 1.7 1.9 -11.1 0.83 1 - Dup 5/27/2002 3656 3662 0.10 U 0.10 U 0.00 0.078 U 0.079 U Dup 5/29/2002 ⁴ 3684 3687 10.0 8.6 15.1 11 0.069 U Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.044 U 0.068	,	Dup 5/22/2002°	3608	3610	4.3	3.9	8.6	2.5	7.5	30 €
Dup 5/24/2002 3628 3633 0.11 0.10 9.5 0.076 U 0.079 U Dup 5/25/2002 3643 3646 1.7 1.9 -11.1 0.83 1 Dup 5/27/2002 3656 3662 0.10 U 0.10 U 0.00 0.078 U 0.079 U c Dup 5/28/2002 3667 3672 0.10 U 0.10 U 0.066 U 0.066 U 0.069 U c Dup 5/29/2002 3694 3687 10.0 8.6 15.1 11 0.077 U 1 Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.074 U 0.068		Dup 5/23/2002	3624	3627	0.45	0.10 U	127.3	0.37	2.1	140.1
Dup 5/25/2002 3643 3646 1.7 1.9 -11.1 0.83 1.7 Dup 5/27/2002 3656 3662 0.10 U 0.10 U 0.00 0.078 U 0.079 U Chap 5/28/2002 3667 3672 0.10 U 0.10 U 0.06 U 0.066 U 0.069 U Chap 5/29/2002 3694 3687 10.0 8.6 15.1 11 0.077 U 1 Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.074 U 0.068	SMP-GP31-001	Dup 5/24/2002	3628	3633	0.11	0.10	9.5	0.076 U	11 6/00	13.0
Dup 5/27/2002 3656 3662 0.10 U 0.10 U 0.00 0.078 U 0.079 U Dup 5/28/2002 3667 3672 0.10 U 0.10 U 0.00 0.066 U 0.069 U * Dup 5/29/2002 3684 3687 10.0 8.6 15.1 11 0.077 U Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.074 U 0.068	CSP-GP26-001	Dup 5/25/2002	3643	3646	1.7	1.9	-11.1	0.83		781
Dup 5/28/2002 3667 3672 0.10 U 0.10 U 0.00 0.06 U 0.069 U θ Dup 5/29/2002 3684 3687 10.0 8.6 15.1 11 0.077 U Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.074 U 0.068	LPP-GP89-001	Dup 5/27/2002	3656	3662	0.10 U	0.10 U	0.00	0.078 []	11 620 0	1 2
c Dup 5/29/2002d 3684 3687 10.0 8.6 15.1 11 0.077 U Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.074 U 0.068		Dup 5/28/2002	3667	3672	0.10 U	0.10 U	0.00	0.066 U	11 690'0	P. P.
Dup 5/30/2002 3695 3703 0.10 U 0.10 U 0.00 0.074 U 0.068		Dup 5/29/2002 ^d	3684	3687	10.0	8.6	15.1	=	0.077 11	197.2
	WRP-GP7-002	Dup 5/30/2002	3695	3703	0.10 U	0.10 U	00.0	0.074 U		2. 8

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	Com	Comparison	I PCB (Ar	of PCB (Aroclor 1260) Results between Sample and Duplicate Pair	sults between	Sample and	Duplicate Pair	8	
		8		Field Result	Duplicate	Relative %	Paradigm	Paradigm Result	Relative %
Sample Name	Field Duplicate	Mobile #	Duplicate Mobile #	(mg/kg)°	Field Result (mg/kg) ^e	Field	Result (mo/ko) ^f	(mg/kg) ^f	Paradigm Docute
SMP-GP33-001	Dup 5/31/2002	3719	3722	0.10 U	0.10 U	00	0.078 11	0.077	chillean
PWP-GP37-001	Dup 6/4/2002	3729	3733	8.9	8.6	3.4	47	3.6	1 6
WRP-GP16-001	Dup 6/5/2002	3745	3751	2.4	2.1	13.3	,:,·	0.0	2.12
PWP-GP44-002	Dup 6/6/2002	3762	3766	0.10 U	0.10 U	0.0	0.13.11	0.12.17	55.3
MSL-GP08-002	Dup 6/7/2002	3786	3791	0.77	0.10 U	154.0	0.38	0.13 0	0.0
MSL-GP15-001	Dup 6/8/2002	3807	3816	2.5	3.1	-21.4	3.4	6.1.0	110.7
MSL-GP24-001	Dup 6/9/2002	3835	3841	3.8	4.1	9.7-	1.5	22	37.6
MSL-CP31-001	Dup 6/11/02	3859	3860	0.36	0.25	36.1	0.1 U	0.1 U	0.0
MSL-GP11-005°	Dup 6/13/02°	3863	3868	170.0	170.0	0.0	86	120	0.00
CNP-GP1-001	Dup 6/14/02	3875	3878	1.7	1.9	-11.1		1.2	10.7
KEP-PEX-002	Dup 6/19/02	E2	E4	0.10 U	0.10 U	0.0	0,12 U	0.11 U	20.7
XEP-PEX-005	Dup 6/20/02	E6	E8	0.47	0.41	13.6	0.39		5.3
MSL-GP16-006°	Dup 6/22/02°	3885	3886	0.20	0.21	-4.9	0.24	0.23	S. A.
CNF-GP3-001	Dup 6/23/02	3896	3902	18.0	18.0	0.00	19	61	
CNF-CF13-001	Dup 6/24/02	3926	3932	2.2	2.1	4.7	1.8	1.9	2.0
MSL-GP19-008	Uup 6/28/02	3973	3975	0.10 U	0.10 U	00.00	0.10 U	U 860.0	0.0
KEP-BHI-002	Dup 7/1/02	E13	E17	3.2	39.0	-169.7	4.1	29	-150 5
KEP-PEX-010	Dup 7/2/02	E18	E20	0.10 U	0.10 U	00:0	0.12 U	0.12 U	0.0
CNP-GF19-001	Dup //9/02	1993	3996	16.0	14.0	13.3	9.8	7.3	16.4
CNP. GP35-002	Dup 7/12/02	1001	4009	1.3	1.1	16.7	99.0	1.2	-58.1
KFP-PFX-013	DI 10 7/12/02	7404	4048	0.10	0.24	-82.4	0.41	0.22	60.3
CNP-GP44-001	Dun 7/14/02	4060	2701	0.10 0	0.10 U	00.0	0.11	0.11 U	0.0
CNP-GP54-001	Dun 7/15/02	8007	4102	2.3	2.9	00:00	2.4	2.9	-18.9
CNP-GP60-001	Dun 7/73/07	0,51	4100	0.7	5.8	6.7	3.8	4.2	-10.0
RS-RB20005-005		2117	4122	0.10 U	0.10 U	0.0	0.10 U	0.10 U	0.0
CNP-GP73-001	Dun 7/25/02	2517	4160	7.6	5.8	50.3	5.4	6.1	-12.2
CNP-GP81-001	Dim 7/26/02	4182	4187	0.60	0.4.0	7.6-	99	97	-38.0
CNP-GP88-002	Dun 7/27/02	4106	1304	80.0	100.0	-15.1	110	130	-16.7
	Dup 7/29/02	4210	4214	0.10 0	0.10 0	0.0	0.13 U	0.13 U	0.0
CNP-GP96-002	Dun 7/20/03	0000	, 500,	0.1.0	0.10 0	0.0	0.12 U	0.13 U	-8.0
1000		1///	11/14		11 01 0				

Sample Name Field Bound Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control	e T	Con	o aciaca	f DCD (A.	Ta	Table 2				
Field Bapilleare Mobile #			Datison o	T CD (AC	OCIOL 1200) Re	Suits between	sample and	Duplicate Pair		
Field Duplicate Mobile # Mobile # Mobile # Field Result Field Result Result (mg/kg)* Result Result (mg/kg)* Result	te ge				Field Result	Duplicate	Relative %	Paradiam	Paradigm Result	Relative %
Dup 7/31/02 4228 4248 4.8 4.6 4.3 2.5 3.3 Acataly Regions Dup 8/10/2 4250 4228 5.4 6.2 -13.8 2.8 3.3 Acataly Regions 4267 0.10 U 0.10 U 0.11 U 0.12 U 0.12 U 0.11 U 0.11 U 0.12 U <td< th=""><th>Sample Name</th><th>Field Duplicate</th><th>e 2</th><th>Duplicate Mobile#</th><th>(mg/kg)^e</th><th>Field Result</th><th>Field</th><th>Result (ma/kg)^f</th><th>(mg/kg)^f</th><th>Paradigm</th></td<>	Sample Name	Field Duplicate	e 2	Duplicate Mobile#	(mg/kg) ^e	Field Result	Field	Result (ma/kg) ^f	(mg/kg) ^f	Paradigm
Dup 8/1002 4256 4258 5.4 6.2 -13.8 2.8 3 Dup 8/2002 4261 4267 0.10 U 0.10 U 0.10 U 0.11 U Dup 8/2002 4261 4267 0.10 U 0.10 U 0.12 U 0.11 U Dup 8/2002 4314 4334 0.10 U 0.10 U 0.02 U 0.12 U 0.12 U Dup 8/2002 4314 4339 2.6 3.2 -2.07 3.5 4.4 Dup 8/2002 4341 4338 2.2 2.3 4.4 4.5 Dup 8/1002 4341 4338 2.2 2.3 4.4 4.5 Dup 8/1002 4350 2.2 3.3 4.4 4.5 4.4 Dup 8/1002 4378 2.2 2.3 4.4 4.5 4.4 Dup 8/1002 4370 4.1 4.1 4.1 4.1 4.1 4.4 Dup 8/1002 4340 2.0 1.1 1.1 1.1 1.1	CNP-GP98-001	Dup 7/31/02	4228	4248	4.8	4.6	43) S (3.3	Nesuits
Dup 8/2/02 4261 4267 0.10 U 0.10 U 0.12 U 0.11 U 0.11 U Dup 8/2/02 4378 4384 0.9 1.0 -128 0.46 0.87 Dup 8/7/02 4394 437 0.35 0.24 37.3 0.28 0.21 Dup 8/8/02 4314 0.10 U 0.10 U 0.10 U 0.10 U 0.12 U 0.12 U Dup 8/10/02 4340 4356 2.2 2.3 -20.7 3.5 4.4 Dup 8/13/02 4356 2.2 2.3 -4.6 3.8 1.9 4.8 4.5 Dup 8/13/02 4376 2.2 2.3 -4.4 2.1 1.9 4.8 4.5 Dup 8/13/02 4376 2.2 2.3 -4.4 2.1 1.9 1.5 1.9 1.5 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	CNP-GP105-002	Dup 8/1/02	4250	4258	5.4	6.2	-13.8	2.8	2.0	0.72-
Dup 8/602 4284 4284 0.9 1.0 -12.8 0.46 0.87 Dup 8/602 4324 4374 0.35 0.24 37.3 0.28 0.21 Dup 8/702 4314 0.101 0.101 0.10 0.12 0.12 0 Dup 8/802 4326 4329 2.6 3.2 2.0 4.4 4.4 Dup 8/1002 4341 4353 4.6 3.8 190 4.8 4.4 Dup 8/1202 436 2.2 2.3 2.3 4.4 2 3.6 Dup 8/1202 4376 4378 2.1 1.8 1.5 1.9 4.4 Dup 8/1202 4376 426 42.6 42.6 42.6 3.3 4.4 4.4 Dup 8/1202 438 2.0 1.1 1.1 1.0 0.0 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9	CNP-GP108-003	Dup 8/2/02	4261	4267	0.10 U	0.10 U	0.0			7.00
Dup 87/02 4304 4307 0.35 0.24 37.3 0.28 0.21 Dup 88/002 4314 0.10 U 0.10 U 0.01 U 0.02 U 44 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.5 4.4<	CNP-GP115-001	Dup 8/6/02	4278	4284	6.0	1.0	-12.8			-617
Dup 8/8/02 4312 4314 0.10 U 0.10 U 0.10 U 0.12 U 0.12 U 0.12 U Dup 8/8/02 4326 426 3.2 3.2 -20.7 3.5 4.4 Dup 8/10/02 4326 452 2.6 3.2 -20.7 3.5 4.4 Dup 8/10/02 4360 4568 2.2 2.3 -4.4 2.1 1.9 Dup 8/10/02 4385 4394 2.0 1.8 15.4 2.1 1.9 Dup 8/13/02 4385 4394 2.0 1.8 1.5 2.1 1.9 Dup 8/13/02 4420 1.1 1.1 0.00 1.5 2.9 2.9 Dup 8/16/02 4420 1.1 1.1 0.00 1.6 1.3 4.4 Dup 8/16/02 4431 0.10 0.10 0.10 0.10 0.10 0.11 Dup 8/16/02 448 4.0 1.2 1.2 3.2 3.2 Dup 9/16/02 4		Dup 8/7/02	4304	4307	0.35	0.24	37.3	0.28	0.21	286
Dup 8/9/02 4326 432 2.6 3.2 -20.7 3.5 44 Dup 8/9/02 4341 4533 4.6 3.8 19.0 4.8 4.5 Dup 8/12/02 4372 436 2.2 2.3 1.4 2.1 1.9 Dup 8/13/02 4372 4378 2.1 1.8 1.5 1.3 3.3 Dup 8/13/02 4385 4394 2.0 1.8 10.5 1.5 1.9 Dup 8/13/02 4410 4416 2.3 2.3 0.0 2.9 2.9 Dup 8/13/02 4420 441 0.9 1.0 1.1 0.0 0.9 Dup 8/13/02 4489 481 6.8 1.0 0.10	į,	Dup 8/8/02	4312	4314	0.10 U	0.10 U	0.0	0.12 U	0.12 1	0.01
Dup 8/12/02 4341 4353 4.6 3.8 190 4.8 4.5 Dup 8/12/02 4368 2.2 2.3 -44 2 3.6 Dup 8/12/02 4356 2.2 2.3 -44 2 3.6 Dup 8/13/02 4378 2.1 1.8 15.4 2.1 1.9 Dup 8/13/02 4410 4416 2.3 2.3 0.0 2.9 2.9 Dup 8/15/02 4426 4429 1.1 1.1 0.00 1.6 1.3 0.91 Dup 8/15/02 4826 4434 0.69 0.60 1.0 0.10 0.10 0.10 0.10 0.10 0.11 0.14 0.8 0.91 0.00 0.14 0.8 0.14 0.1	CNP-GP124-001	Dup 8/9/02	4326	4329	2.6	3.2	-20.7	3.5	4.4	8 CC-
Dup 8/12/02 4360 4368 2.2 2.3 -44 2 3.6 Dup 8/13/02 4372 4378 2.1 1.8 15.4 2.1 1.9 Dup 8/13/02 4372 4378 2.0 1.8 15.4 2.1 1.9 Dup 8/15/02 4420 41.1 1.1 0.0 1.6 1.3 2.9 Dup 8/15/02 4426 42.9 1.1 1.1 0.0 1.3 4.4 Dup 8/15/02 E89 E94 8.1 6.8 1.7 6.3 4.4 Dup 8/15/02 E89 E94 8.1 6.8 1.7 6.3 4.4 Dup 8/15/02 4430 0.69 0.60 1.1 0.1 <td>CNP-GP129-001</td> <td>Dup 8/10/02</td> <td>4341</td> <td>4353</td> <td>4.6</td> <td>3.8</td> <td>19.0</td> <td>4.8</td> <td>4.5</td> <td>6.5</td>	CNP-GP129-001	Dup 8/10/02	4341	4353	4.6	3.8	19.0	4.8	4.5	6.5
Dup 8/13/02 4372 4378 2.1 1.8 15.4 2.1 1.9 Dup 8/13/02 4436 4394 2.0 1.8 10.5 1.5 3.3 Dup 8/15/02 4410 2.3 2.3 0.0 2.9 2.9 Dup 8/15/02 4426 4429 1.1 1.1 0.0 2.9 2.9 Dup 8/15/02 4431 4434 0.9 1.0 0.10 0.10 0.11 0.0 Dup 8/15/02 4438 4457 0.69 0.60 1.1 0.87 Dup 8/15/02 4448 4457 0.69 0.60 1.1 0.14 Dup 9/15/02 4448 4457 0.10 0.10 0.10 0.10 0.10 Dup 9/16/02 4578 4521 3.8 6.8 -56.6 2.4 2.5 Dup 9/16/02 4518 4521 3.8 6.8 -56.6 2.4 4.3 Dup 9/16/02 4518 452 3.8<		Dup 8/12/02	4360	4368	2.2	2.3	-4.4	2	3.6	1.75
Dup 8/14/02 4385 4394 2.0 1.8 10.5 1.5 3.3 Dup 8/15/02 4410 4416 2.3 2.3 0.0 2.9 2.9 Dup 8/15/02 4826 1.1 1.1 0.00 1.6 1.3 2.9 Dup 8/15/02 4831 4824 8.1 6.8 1.74 6.3 4.4 Dup 8/15/02 4431 4434 0.9 1.0 0.10 1.1 0.87 Dup 8/15/02 4448 4457 0.69 0.60 1.1 0.87 Dup 8/17/02 4482 4487 0.69 0.60 1.1 0.87 Dup 9/17/02 4482 448 4.0 18.2 3.8 3.5 Dup 9/17/02 4584 4.8 4.0 18.2 3.2 3.2 Dup 9/16/02 4537 4.1 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U Dup 9/16/02 4558 4.55 4.2 3.2 <t< td=""><td></td><td>Dup 8/13/02</td><td>4372</td><td>4378</td><td>2.1</td><td>1.8</td><td>15.4</td><td>2.1</td><td>0.5</td><td>10.01</td></t<>		Dup 8/13/02	4372	4378	2.1	1.8	15.4	2.1	0.5	10.01
Dup 8/15/02 4410 4416 2,3 2,3 0.0 2.9 2.9 Dup 8/15/02 4426 4429 1.1 1.1 0.00 1.6 1.3 Dup 8/15/02 4426 1.1 1.1 0.00 1.6 1.3 4.4 Dup 8/25/02 4448 4434 0.9 0.60 14.0 1.1 0.91 Dup 8/25/02 4448 4457 0.69 0.60 1.1 0.91 Dup 9/402 4448 4472 0.00 U 0.10 U 0.13 U 0.14 U Dup 9/402 4482 4489 4.8 4.0 1.8 3.8 3.2 Dup 9/10/02 450 450 3.2 3.5 -9.0 2.4 2.5 Dup 9/10/02 4554 457 4.2 3.5 3.6 2.4 4.3 Dup 9/16/02 4558 4557 4.2 3.9 5.6 2.4 4.3 Dup 9/16/02 4558 4557 455		Dup 8/14/02	4385	4394	2.0	1.8	10.5	51	3.3	75.0
Dup 8/16/02 4426 4429 1.1 1.1 6.0 1.6 1.3 4.4 Dup 8/19/02 E89 E94 8.1 6.8 17.4 6.3 4.4 Dup 8/22/02 4431 4434 0.69 0.69 0.60 1.1 0.87 Dup 8/22/02 4448 4457 0.69 0.60 1.1 0.87 Dup 9/4/02 4482 4482 4.8 4.0 0.10 0.01 0.0 Dup 9/6/02 4482 4489 4.8 4.0 0.10 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.00 0.01 0.01 0.00 0.01 0.00 0.00 0.01 0.00	CNP-GP151-001	Dup 8/15/02	4410	4416	2.3	2.3	0.0	2.9	0.0	0.07-
Dup 8/19/02 E89 E94 8.1 6.8 17.4 6.3 4.1 Dup 8/22/02 4431 4434 0.9 1.0 -11.6 1.3 0.91 Dup 8/22/02 4448 4457 0.69 0.60 14.0 1.1 0.87 Dup 9/4/02 4480 448 4.8 4.0 18.2 3.8 3.5 Dup 9/05/02 4580 450 3.2 3.5 -9.0 0.13 U 0.14 U Dup 9/05/02 4581 4521 3.8 6.8 -5.6 2.4 2.5 Dup 9/10/02 4584 4521 3.8 6.8 -5.6 2.4 4.3 Dup 9/10/02 4558 4557 4.2 3.9 7.4 4.3 4.3 Dup 9/10/02 4558 4557 4.2 3.9 7.4 4.3 4.3 Dup 9/11/02 4558 4555 3.2 3.0 6.5 2.9 2.9 Dup 9/11/02 4558	CNP-GP156-001	Dup 8/16/02	4426	4429	=	=	00.0	1.6	1.3	7.00
Dup 8/22/02 4431 4934 0.9 1.0 -11.6 1.3 0.91 Dup 8/23/02 4448 4457 0.69 0.60 14.0 1.1 0.87 Dup 9/4/02 448 445 0.69 0.60 1.1 0.19 U Dup 9/05/02 4482 448 4.8 4.0 18.2 3.8 3.5 Dup 9/05/02 4500 4503 3.2 3.5 -9.0 2.5 3.2 Dup 9/06/02 4518 4521 3.8 6.8 -56.6 2.4 2.5 Dup 9/16/02 4554 4521 3.9 7.4 4.3 4.3 Dup 9/11/02 4558 455 4.2 3.9 7.4 4.3 4.3 Dup 9/11/02 4558 456 3.2 3.9 7.4 4.3 4.3 Dup 9/11/02 4558 456 0.10 U 0.10 U 0.0 0.10 U 0.10 U Dup 9/18/02 4562 4605 0	KEP-PEX-053	Dup 8/19/02	E89	E94	8.1	6.8	17.4	2.9	C. 7	35.5
Dup 9/23/02 4448 4457 0.69 0.60 140 1.1 0.87 Dup 9/4/02 4470 4472 0.10 U 0.10 U 0.013 U 0.14 U Dup 9/05/02 4482 4489 4.8 4.0 18.2 3.8 3.5 Dup 9/05/02 4500 4503 3.2 3.5 -9.0 2.5 3.2 Dup 9/06/02 4518 4521 3.8 6.8 -56.6 2.4 2.5 Dup 9/10/02 4518 4521 3.8 6.8 -56.6 2.4 3.2 Dup 9/10/02 4555 4557 4.2 3.9 7.4 4.3 4.3 Dup 9/10/02 4558 4565 3.2 3.0 6.5 2.9 2.9 Dup 9/10/02 4572 4575 8.8 8.8 0.00 1.1 1.1 Dup 9/10/02 4602 0.10 U 0.10 U 0.00 0.12 U 0.12 U Dup 9/10/02 4641 4642	CNP-GP157-001	Dup 8/22/02	4431	4434	6.0	1.0	-11.6	13	0.01	35.3
Dup 9/4/02 4470 4472 0.10 U 0.10 U 0.01 U<	CNP-GP163-001	Dup 8/23/02	4448	4457	69.0	09.0	14.0	-	0.87	23.4
Dup 9/05/02 4482 4489 4.8 4.0 18.2 3.8 3.5 Dup 9/06/02 4500 4503 3.2 3.5 -9.0 2.5 3.2 Dup 9/06/02 4518 4521 3.8 6.8 -56.6 2.4 2.5 Dup 9/10/02 4518 4527 0.10 U 0.10 U 0.00 0.10 U 0.10 U Dup 9/11/02 4558 4565 3.2 3.9 7.4 4.3 4.3 Dup 9/12/02 4572 4575 8.8 8.8 0.00 11 11 Dup 9/14/02 4572 4575 8.8 8.8 0.00 11 11 Dup 9/14/02 4582 4585 6.3 6.4 4.7 4.2 4.1 Dup 9/16/02 4602 4605 0.10 U 0.10 U 0.12 U 0.12 U 0.13 U Dup 9/18/02 4624 4626 0.14 0.12 U 0.12 U 0.13 U Dup 9/24/02 4669<	CNP-GP167-002	Dup 9/4/02	4470	4472	0.10 U	0.10 U	0.0	0.13.11	0.07	7.4
Dup 9/06/02 4500 4503 3.2 3.5 -9.0 2.5 3.2 Dup 9/9/02 4518 4521 3.8 6.8 -56.6 2.4 2.5 Dup 9/10/02 4518 4521 3.8 6.8 -56.6 2.4 2.5 Dup 9/10/02 4554 4527 4.2 3.9 7.4 4.3 4.3 Dup 9/11/02 4558 4565 3.2 3.0 6.5 2.9 2.9 Dup 9/12/02 4558 4565 3.2 3.6 -4.7 4.3 4.1 Dup 9/12/02 4582 4585 6.3 6.6 -4.7 4.2 4.1 Dup 9/12/02 4602 4605 0.10 U 0.10 U 0.10 U 0.12 U 0.11 U Dup 9/18/02 4624 4626 0.14 0.10 U 0.10 U 0.12 U 0.11 U Dup 9/18/02 4641 4642 3.8 3.5 8.0 6.5 2.9 2.9 <t< td=""><td>CNP-GP171-001</td><td>Dup 9/05/02</td><td>4482</td><td>4489</td><td>8.4</td><td>4.0</td><td>18.2</td><td>. «</td><td>3.5</td><td>4.7</td></t<>	CNP-GP171-001	Dup 9/05/02	4482	4489	8.4	4.0	18.2	. «	3.5	4.7
Dup 9/9/02 4518 4521 3.8 6.8 -56.6 2.4 2.5 Dup 9/10/02 4534 4537 0.10 U 0.10 U 0.00 0.10 U 0.10 U Dup 9/11/02 4555 4557 4.2 3.9 7.4 4.3 4.3 Dup 9/12/02 4558 4565 3.2 3.0 6.5 2.9 2.9 2.9 Dup 9/12/02 4572 4575 8.8 8.8 0.00 11 11 11 Dup 9/12/02 4572 4575 6.3 6.3 6.4 4.7 4.1 11 11 Dup 9/12/02 4602 0.10 U 0.10 U 0.10 U 0.12 U 0.11 U 0.11 U 0.12 U 0.13 U 0.13 U Dup 9/13/02 4641 4642 3.8 3.5 8.2 1.7 2.9 2.4 Dup 9/13/02 4669 4671 1.7 1.6 6.1 1.6 1.7 2.9 2.9 Dup	CNP-GP177-001	Dup 9/06/02	4500	4503	3.2	3,5	-9.0	2.5	3.2	2.0
Dup 9/10/02 4534 4537 0.10 U 0.10 U 0.00 0.10 U 0.10 U Dup 9/11/02 4555 4557 4.2 3.9 7.4 4.3 4.3 Dup 9/12/02 4558 4565 3.2 3.0 6.5 2.9 2.9 Dup 9/14/02 4572 4575 8.8 8.8 0.00 11 11 Dup 9/14/02 4572 4575 8.8 6.3 6.6 -4.7 4.2 4.1 Dup 9/14/02 4582 4585 6.3 6.6 -4.7 4.2 4.1 Dup 9/14/02 4602 4605 0.10 U 0.10 U 0.10 U 0.12 U 0.11 U Dup 9/14/02 4620 4626 0.14 0.12 U 0.13 U Dup 9/14/02 4641 4642 3.8 3.5 2.9 2.9 2.1 Dup 9/14/02 4669 4671 1.7 1.6 6.1 1.6 1.4 4 Dup 9/24/02	CNP-GP183-001	Dup 9/9/02	4518	4521	3.8	6.8	-56.6	2.4	2.6	1.4.0
Dup 9/11/02 4555 4557 4.2 3.9 7.4 4.3 4.3 Dup 9/12/02 4558 4565 3.2 3.0 6.5 2.9 2.9 2.9 Dup 9/12/02 4572 4575 8.8 8.8 0.00 11 11 11 Dup 9/16/02 4582 4585 6.3 6.6 -4.7 4.2 4.1 Dup 9/17/02 4602 4605 0.10 U 0.10 U 0.0 0.12 U 0.11 U Dup 9/18/02 4641 4642 3.8 3.5 8.2 1.7 2.1 Dup 9/18/02 4641 4642 3.8 3.5 8.2 1.7 2.1 -2 Dup 9/21/02 4654 4656 7.5 8.0 -6.5 2.9 2.4 1 Dup 9/24/02 4669 4671 1.7 1.6 6.1 1.6 1.8 1 Dup 9/24/02 4670 4680 2.0 1.8 1.6 1.	CNP-GP188-001	Dup 9/10/02	4534	4537	0.10 U	0.10 U	00.0	0.10 U	0.10 1	0.0
Dup 9/12/02 4558 4565 3.2 3.0 6.5 2.9 2.9 Dup 9/14/02 4572 4575 8.8 8.8 0.00 11 11 11 Dup 9/14/02 4582 4585 6.3 6.6 -4.7 4.2 4.1 Dup 9/17/02 4602 4605 0.10 U 0.10 U 0.0 0.12 U 0.11 U Dup 9/18/02 4620 4626 0.14 0.12 U 0.14 U 0.13 U Dup 9/18/02 4641 4642 3.8 3.5 8.2 1.7 2.1 Dup 9/18/02 4654 4656 7.5 8.0 -6.5 2.9 2.4 1 Dup 9/24/02 4669 4671 1.7 1.6 6.1 1.6 1.4 4 Dup 9/24/02 4677 4680 2.0 1.8 10.5 1.6 1.8 -1 Dup 9/27/02 4690 4693 4.1 4.1 4.1 0.00 3.1	CNP-CP198-001	Dup 9/11/02	4555	4557	4.2	3.9	7.4	4.3	4.3	0.0
Dup 9/14/02 4572 4575 8.8 8.8 0.00 11 12 <td>CINF-CF199-001</td> <td>20/21/92</td> <td>4558</td> <td>4565</td> <td>3.2</td> <td>3.0</td> <td>6.5</td> <td>2.9</td> <td>2.9</td> <td>0.0</td>	CINF-CF199-001	20/21/92	4558	4565	3.2	3.0	6.5	2.9	2.9	0.0
Dup 9/17/02 4582 4585 6.3 6.6 -4.7 4.2 4.1 Dup 9/17/02 4602 4605 0.10 U 0.10 U 0.0 0.12 U 0.11 U Dup 9/18/02 4620 4626 0.14 0.12 0.12 U 0.11 U Dup 9/18/02 4641 4626 3.8 3.5 8.2 1.7 2.1 Dup 9/21/02 4653 4656 7.5 8.0 -6.5 2.9 2.4 1 Dup 9/21/02 4669 4671 1.7 1.6 6.1 1.6 1 4 Dup 9/21/02 4690 4680 2.0 1.8 10.5 1.6 1.8 1 Dup 9/21/02 4690 4693 4.1 4.1 6.0 3.1 3.5 -1	CINF-GF204-001	Dup 9/14/02	4572	4575	8.8	8.8	00.0	11	=	0.0
Dup 9/17/02 4602 4605 0.10 U 0.10 U 0.0 0.12 U 0.11 U Dup 9/18/02 4620 4626 0.14 0.12 15.4 0.14 U 0.13 U Dup 9/19/02 4641 4642 3.8 3.5 8.2 1,7 2.1 -2 Dup 9/23/02 4659 4671 1.7 1.6 1.6 1 4 4 Dup 9/24/02 4677 4680 2.0 1.8 10.5 1.6 1.8 -1 4 4 Dup 9/27/02 4690 4693 4.1 4.1 6.00 3.1 3.5 -1	CINF-GF207-001	Dup 9/ 16/02	4582	4585	6.3	9.9	4.7	4.2	4.1	2.4
Dup 9/18/02 4620 4626 0.14 0.12 15.4 0.14 U 0.13 U Dup 9/19/02 4641 4642 3.8 3.5 8.2 1.7 2.1 -2 Dup 9/23/02 4659 4671 1.7 1.6 6.1 1.6 1 4 Dup 9/24/02 4677 4680 2.0 1.8 10.5 1.6 1.8 1 4 Dup 9/27/02 4690 4693 4.1 4.1 4.1 0.00 3.1 3.5 -1	CNF-CF214-001	20/1//6 dn C	4602	4605	0.10 U	0.10 U	0.0	0.12 U	0.11 U	8.7
Dup 9/19/02 4641 4642 3.8 3.5 8.2 1.7 2.1 2 Dup 9/21/02 4653 4656 7.5 8.0 -6.5 2.9 2.4 1 Dup 9/24/02 4669 4671 1.7 1.6 6.1 1.6 1 4 Dup 9/24/02 4690 4693 4.1 4.1 6.00 3.1 3.5 -1	CAN CP0221-002	20/81/6 dnr.	4620	4626	0.14	0.12	15.4	0.14 U	0.13 U	7.4
Dup 9/21/02 4653 4656 7.5 8.0 -6.5 2.9 2.4 Dup 9/23/02 4669 4671 1.7 1.6 6.1 1.6 1 Dup 9/24/02 4677 4680 2.0 1.8 10.5 1.6 1.8 Dup 9/27/02 4690 4693 4.1 4.1 0.00 3.1 3.5	CNP-GP230-001	Dup 9/19/02	464]	4642	3.8	3.5	8.2	1.7	2.1	-211
Dup 9/23/02 4669 4671 1.7 1.6 6.1 1.6 1 Dup 9/24/02 4677 4680 2.0 1.8 10.5 1.6 1.8 Dup 9/27/02 4690 4693 4.1 4.1 0.00 3.1 3.5	CNF-GP237-001	Dup 9/21/02	4653	4656	7.5	8.0	-6.5	2.9	2.4	18.9
Dup 9/24/02 4677 4680 2.0 1.8 10.5 1.6 1.8 Dup 9/27/02 4690 4693 4.1 4.1 0.00 3.1 3.5	CNP-GP242-001	Dup 9/23/02	4669	4671	1.7	1.6	6.1	1.6	-	46.2
Dup 3/2//02 4690 4693 4,1 4,1 0,00 3,1 3.5	CNT CD252 061	Dup 9/24/02	4677	4680	2.0	1.8	10.5	9.1	1.8	-11.8
	CINE-0F222-001	70//7/K dna	4690	4693	4,1	4.1	00.0	3.1	3.5	-121

	Relative % Difference, Paradigm	15.71	10.7	13.3	13.3	7.8	-103.6	0.0	5 6-	-18.2	-162	-7.1	42.9	-2.1	58.8	36.6	3.8	13.6	11.5	25.0	6.9-	0.0	-8.0	35.3	-18.2	200	-15.4	0.0
	Paradigm Result (mg/kg) ^f	0.11.11	0.11.0	0.12 0	95.0	0.11 U	1.7	0.12 U	0.11 U	0.12 U	0.4	0.44	0.17	0.95	0.30	0.29	0.26	U 960.0	U 860'0	14	0.15	0.12 U	0.13 U	14	0.12 U	0.11 U	0.14 U	0.12 U
Oublicate Pair	Paradigm Result (mg/kg) ^f	0.13 111	U 11.0	0.16 U	0.64	0.12 U	0.54	0.12 U	0.10 U	0.10 U	0.34	0.41	0.11 U	0.93	0.55	0.42	0.27	0.11 U	0.11 U	18	0.14	0.12 U	0.12 U	20	0.1 U	0.12 U	0.12 U	0.12 U
sample and]	Relative % Difference, Field Results	00.0	0.00	0.00	10.7	0.0	-35.8	00.0	0.0	00.00	13.6	14.8	00.00	00'0	18.5	-3.8	11.0	00.00	0.0	-8.0	13.3	00.00	0.00	0.00	0.0	85.7	0.0	0.0
rable 2 Results between S	Duplicate Field Result (mg/kg)*	0.10 U	0.10 U	0.10 U	0.53	0.10 U	6.0	0.10 U	0.10 U	0.10 U	0.41	0.50	0.10 U	1.9	0.49	0.27	0.43	0.10 U	0.10 U	26.0	0.14	0.10 U	0.10 U	20.0	0.10 U	0.10	0.10 U	0.10 U
n of PCB (Aroclor 1260) Results between Sample and Duplicate Pair	Field Result (mg/kg) [®]	0.10 U	0.10 U	0.10 U	0.59	0.10 U	0.62	0.10 U	0.10	0.10 U	0.47	0.58	0.10 U	1.9	0.59	0.26	0.48	0.10 U	0.10 U	24.0	0.16	0.10 U	0.10 U	20.0	0.10 U	0,25	0.10 U	0.10 U
f PCB (Are	Duplicate Mobile#	4701	4707	4716	4723	4729	4736	4744	4753	4762	4785	4805	E118	4821	4854	4877	4885	4904	4909	4914	4925	4931	4947	E141	4981	E150	2000	5016
Comparison (Mobile #	4699	4706	4711	4722	4728	4735	4743	4752	4761	4786	4802	E117	4817	4851	4876	4884	4903	4906	4913	4922	4929	4944	E142	4977	E151	4997	5013
Com	Field Duplicate	Dup 9/28/02	Dup 9/30/02	Dup 10/01/02	Dup 10/2/02	Dup 10/08/02	Dup 10/09/02	Dup 10/10/02	Dup 10/11/02	Dup 10/12/02	Dup 10/15/02	Dup 10/16/02	DupB 10/17/02	DupA 10/17/02	Dup 10/18/02	Dup 10/19/02	Dup 10/21/02	Dup 10/22/02	Dup 10/23/02	Cup 10/24/02	20/57/01 dna	19/25/07	Dup 10/30/02	DupB 10/31/02	DupA 10/31/02	DupB 11/01/02	DupA 11/01/02	Dup 11/02/02
	Sample Name	CNP-GP245-002	CNP-GP251-003	CNP-GP254-001	2			J			1	SMP-GP34-001	T	T.		LPP-GP/3-003			SMF-GF41-002	T	T		_					TGF-GF32-001

				Ta	Table 2				
	Con	Comparison o	f PCB (Ar	n of PCB (Aroclor 1260) Results between Sample and Duplicate Pair	sults between !	Sample and	Duplicate Pair		
			į	Field Result	Duplicate	Relative % Difference,	Paradigm	Paradigm Result	Relative % Difference,
Sample Name	Field Duplicate Mobile	Mobile #	Duplicate Mobile #	(mg/kg)	Field Kesuit (mg/kg) ^e	Field Results	Result (mg/kg) ^f	(mg/kg)'	Paradigm Resuffs
LGP-GP27-003	Dup 11/4/02	5033	5034	1.9	1.7		16	15	3 7
LGP-GP30-007	Dup 11/5/02	5048	5049	2.2	2.6	191-	2.2	2.1	0.0
CSP-GP47-002	Dup 11/07/02	5056	5054	0.15	0.15	00	11 01 0	71 11	-12.0
LPP-GP125-001 Dup 11/08/02	Dup 11/08/02	5057	5059	0.77	6.0	167	0.21.0	0.11.0	9.
KEP-PEX-119	Dup 11/09/02	E243	E251	0.10 ①	0.10 11	000	11 11	0.04	-13.1
CNP-GP258-001 Dup 11/11/02	Dup 11/11/02	5061	5065	0.48	0.49	-2.1	0.11.0	0.00	0.0
WRP-GP3-002	Dup 11/12/02	2905	8905	0.33	0.36	-8.7	20:0	90.0	7.0
SMP-GP52-003	Dup 11/13/02	5081	5082	1.4	1.5	6.9	0.86	0.20	15.1
SIMP-GP63-001	Dup 11/14/02	5095	9605	12.0	12.0	0.0	7.6	- 2	41.2
SMP-GP69-004	Dup 11/15/02	5119	5120	0.39	0.30	26.1	0.23	0.33	-35.7
				2					

Notes:

U - Not detected at the reported quantitation limit.

In cases where nondetects were reported by the labs, the Relative Percent Difference (RPU) 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.
 - 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 was 5.2 mg/kg. The table reflects the correct results. According to Paradigm, the soil in jar SMP-GP27-003 b) These field samples appear to have been "switched"; SMP-GP23-002 was originally reported as 74 mg/kg, and 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
- c) These samples were reanalyzed. The Paradigm result reported here is the reanalysis result. The reanalysis demonstrated much beter 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 ≥1 mg/kg

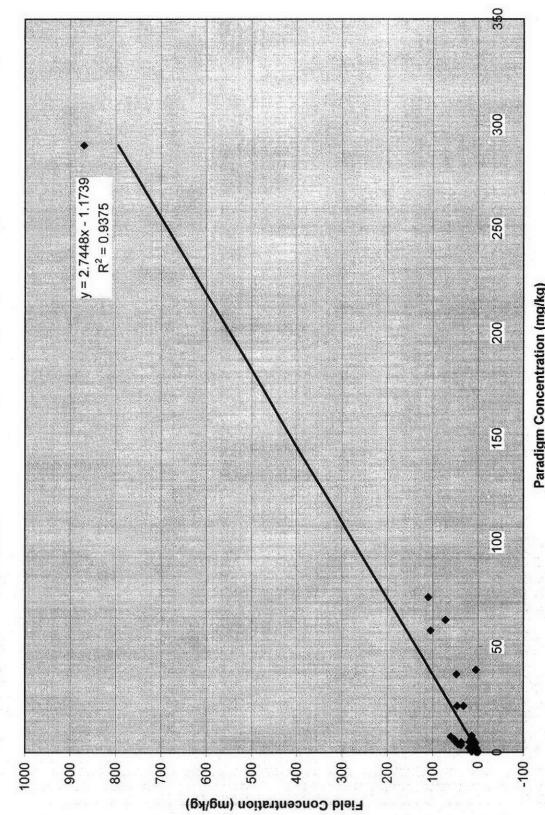
PCB (Aroclor 1260) Field Result	# Reported by Field	# Confirmed By Paradigm
<1mg/kg	201	198
≥1 mg/kg	170	143

		Table 4		
Samples D	etected by l	Field < 1mg/kg	and Paradigi	n ≥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)



Paradigm Concentration (mg/kg)

Figure 2 Comparison of Paradigm and Field PCB (Aroclor 1260) Results (May - Nov. 2002) y = 0.9224x + 1.4008 $R^2 = 0.8971$ Paradigm Concentration (mg/kg) Field Concentration (mg/kg)

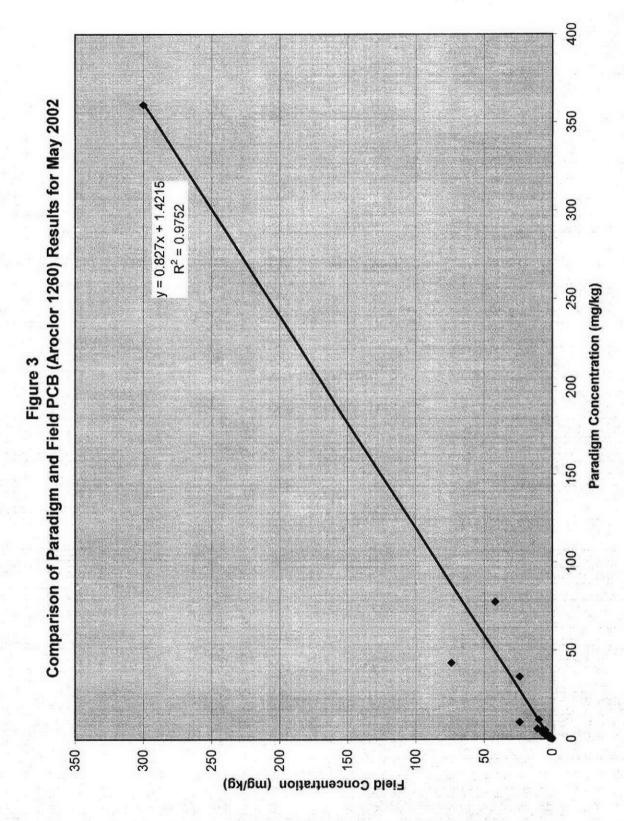


Figure 4 Comparison of Paradigm and Field PCB (Aroclor 1260) Results for June 2002

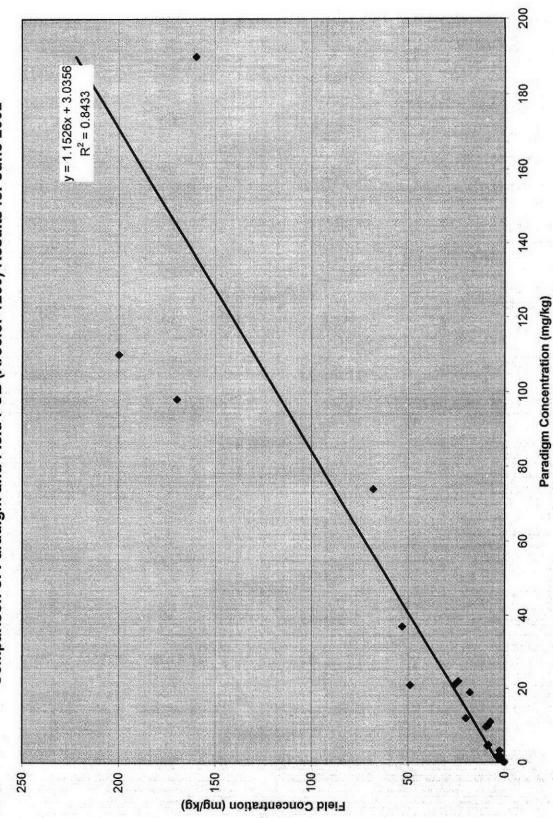


Figure 5 Comparison of Paradigm and Field PCB (Aroclor 1260) Results for July 2002

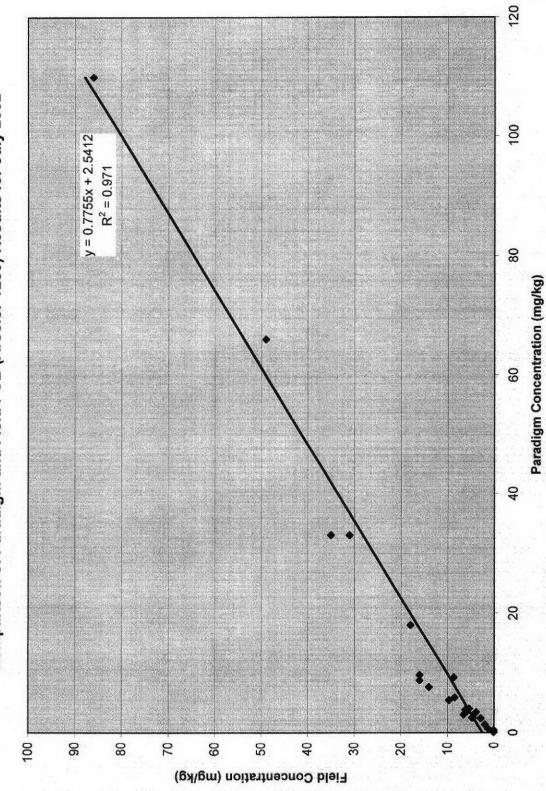
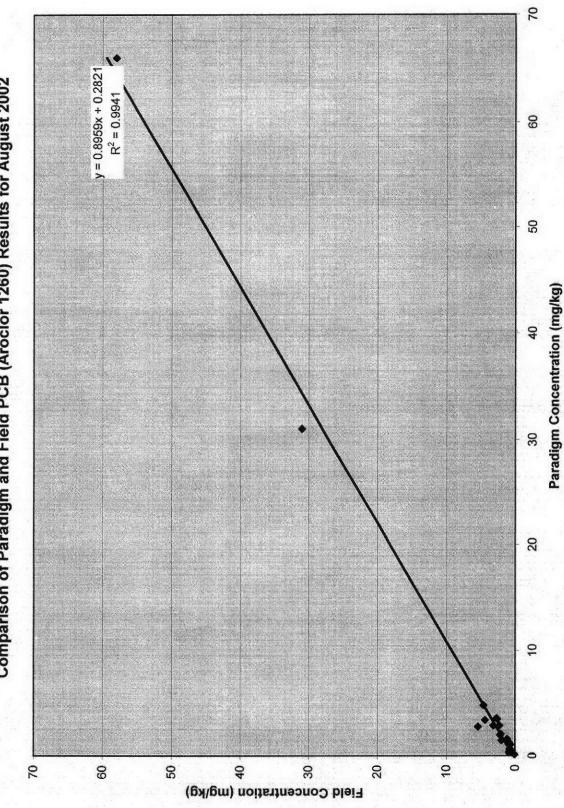


Figure 6 Comparison of Paradigm and Field PCB (Aroclor 1260) Results for August 2002



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Paradigm Concentration (mg/kg)

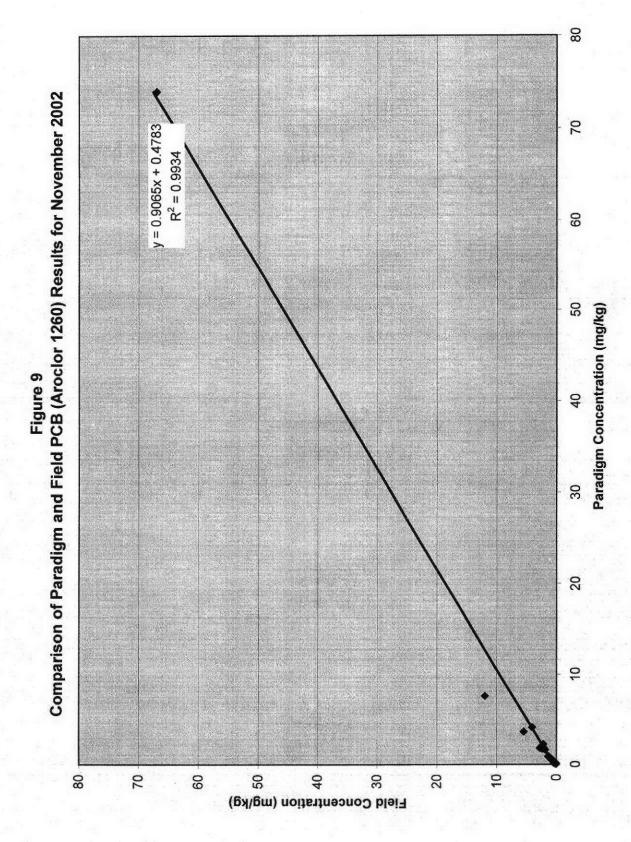
Comparison of Paradigm and Field PCB (Aroclor 1260) Results for September 2002 y = 1.1491x + 0.644 $R^2 = 0.8395$ 18 Field Concentration (mg/kg) 16 14 2 4

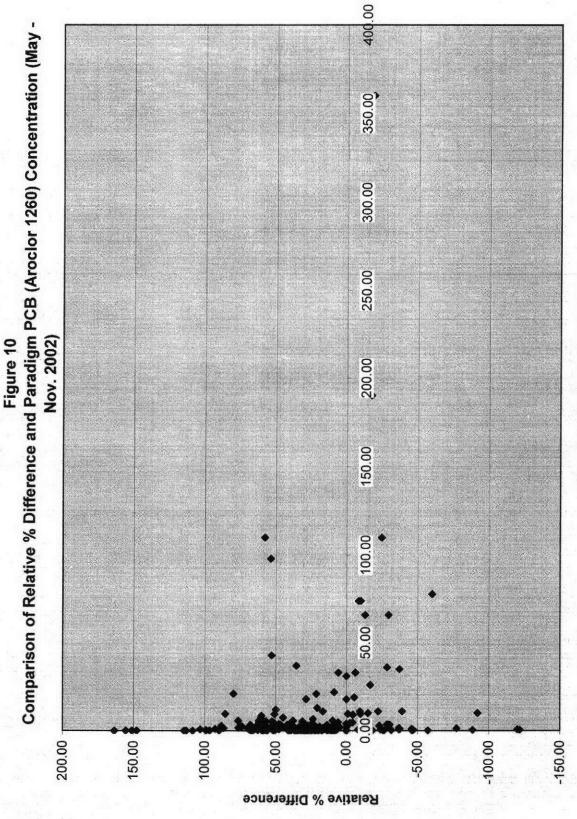
Figure 7

0

40 Figure 8 Comparison of Paradigm and Field PCB (Aroclor 1260) Results for October 2002 35 y = 0.8362x + 0.2244 30 $R^2 = 0.9294$ Paradigm Concentration (mg/kg) 25 20 9 2 30 25 Field Concentration (mg/kg) 10 2 35

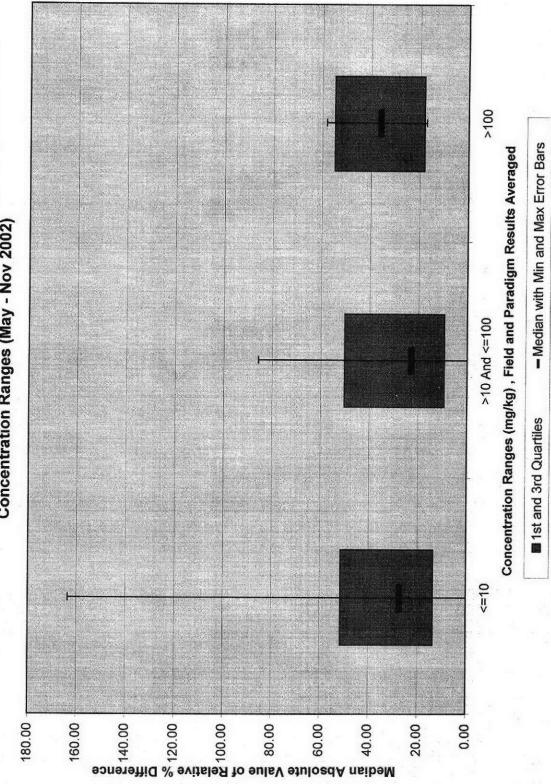
v201062\ DataCompMayNovFonMartinSlagle.xls\Figure 8 Field vs Paradigm Oct Printed: 1/14/2003





Paradigm Concentration (mg/kg)

Comparison of Median Absolute Value of Relative % Difference by PCB (Aroclor 1260) Concentration Ranges (May - Nov 2002) Figure 11



(201062).
DataCompMayNovForMartinSlagle.xl8Figure 11 Median [RPD] & Conc.
Printed: 1/14/2003

Figure 12 Comparison of Sample and Duplicate Pair PCB (Aroclor 1260) Results, Field Lab (Nov. 2001 - Feb. 2002)

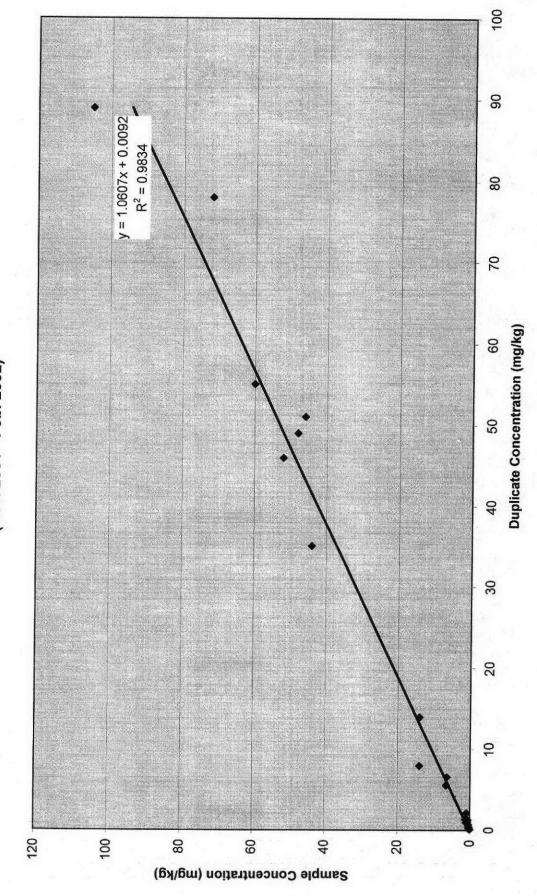


Figure 13 Comparison of Sample and Duplicate Pair PCB (Aroclor 1260) Results, Paradigm Results (Nov. 2001 - Feb. 2002)

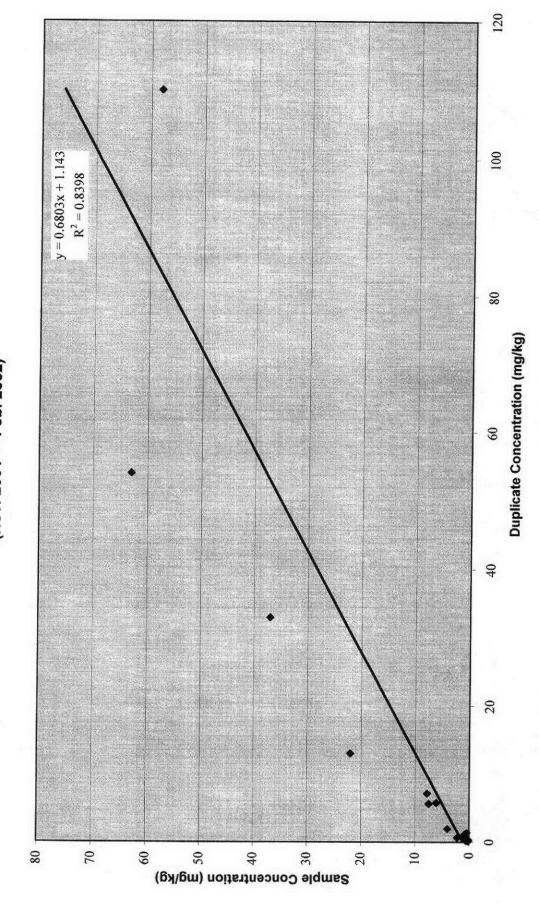


Figure 14 Comparison of Sample and Duplicate Pair PCB (Aroclor 1260) Concentrations, Field Lab (May - Nov. 2002)

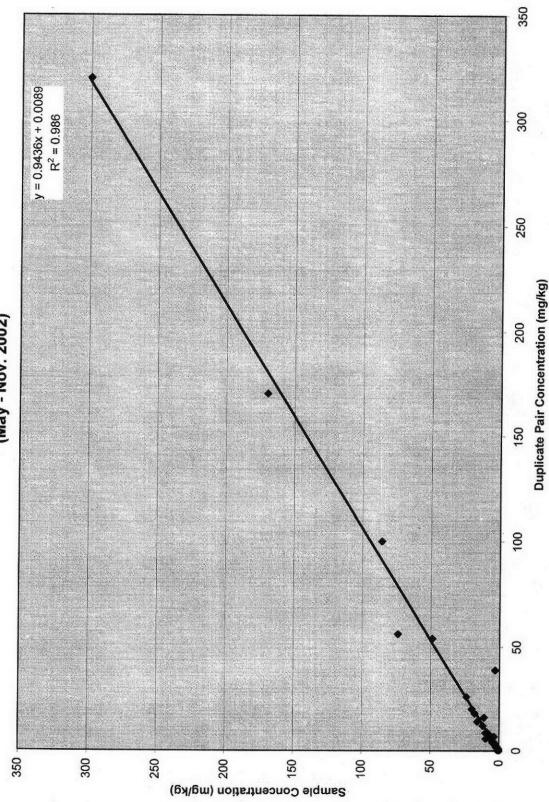
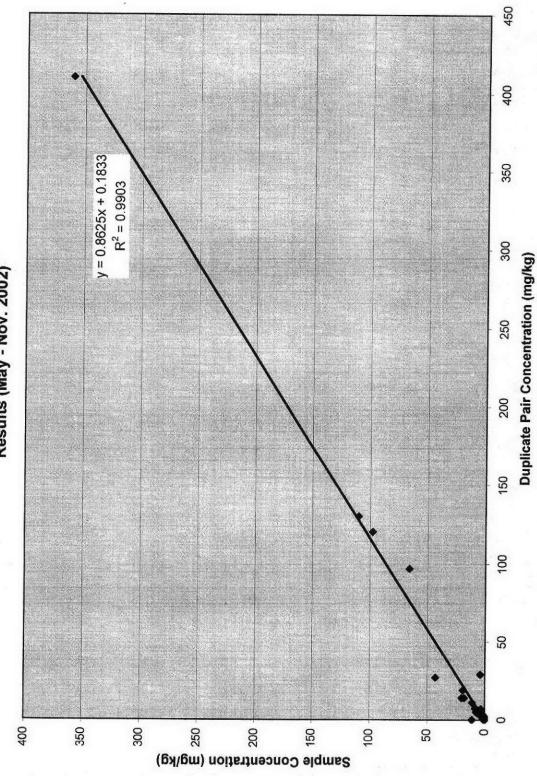
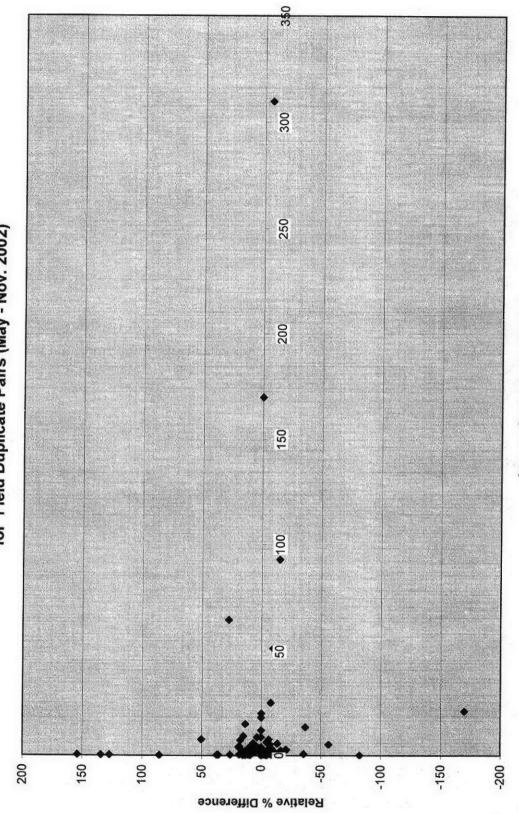


Figure 15 Comparison of Sample and Duplicate Pair PCB (Aroclor 1260) Concentrations, Paradigm Results (May - Nov. 2002)

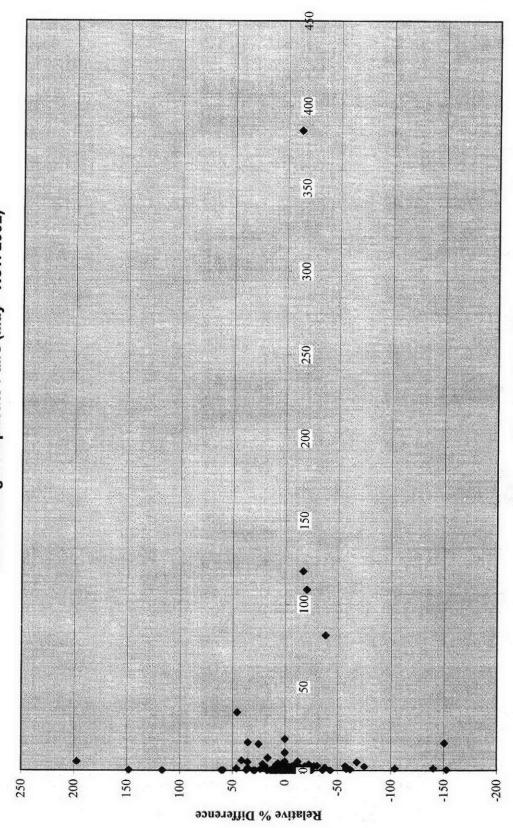


Comparison of Relative % Difference and Average PCB (Aroclor 1260) Concentration for Field Duplicate Pairs (May - Nov. 2002) Figure 16



Average Concentration (mg/kg)

Comparison of Relative % Difference and Average PCB (Aroclor 1260) Concentration for Paradigm Duplicate Pairs (May - Nov. 2002) Figure 17



Average Concentration (mg/kg)

Comparison of Mean Absolute Value of Relative % Difference of Samples and Duplicate Pairs for PCBs (Aroclor 1260) for May - Nov. 2002 Figure 18

