



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

Report Number: G442-542

Client Project: Kuhlman Electric



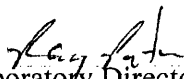
Dear Mr. Martin:


Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. 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 SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/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,  
SGS/Paradigm Analytical Laboratories, Inc.

  
Laboratory Director  
J. Patrick Weaver

  
Date



**Results for PCBs**  
by EPA 8082

Client Sample ID: MS1-ESS-020  
Client Project ID: Kuhlman Electric  
Lab Sample ID: G442-542-1B  
Lab Project ID: G442-542  
Sample Wt/Vol: 10.22 ColumnID: STX-CLPest  
Report Basis: Dry Weight

Analyzed By: DES  
Date Collected: 3/27/2007 11:53  
Date Received: 3/31/2007  
Date Extracted: 4/4/2007  
Matrix: Soil  
%SOLIDS: 84.0

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	116	1	04/09/07
Aroclor-1221	BQL	116	1	04/09/07
Aroclor-1232	BQL	116	1	04/09/07
Aroclor-1242	BQL	116	1	04/09/07
Aroclor-1248	BQL	116	1	04/09/07
Aroclor-1254	BQL	116	1	04/09/07
Aroclor-1260	BQL	116	1	04/09/07
Aroclor-1262	BQL	116	1	04/09/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	72.7	72.7
DCBP	100	93.9	93.9

**Comments:**

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

Reviewed By: 

8082.xls



**Results for PCBs**  
by EPA 8082

Client Sample ID: DUPLICATE (LL089)      Analyzed By: DES  
Client Project ID: Kuhlman Electric      Date Collected: 3/27/2007 0:00  
Lab Sample ID: G442-542-2B      Date Received: 3/31/2007  
Lab Project ID: G442-542      Date Extracted: 4/4/2007  
Sample Wt/Vol: 10.42    ColumnID: STX-CLPest      Matrix: Soil  
Report Basis: Dry Weight      %SOLIDS: 82.7

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	116	1	04/09/07
Aroclor-1221	BQL	116	1	04/09/07
Aroclor-1232	BQL	116	1	04/09/07
Aroclor-1242	BQL	116	1	04/09/07
Aroclor-1248	BQL	116	1	04/09/07
Aroclor-1254	BQL	116	1	04/09/07
Aroclor-1260	BQL	116	1	04/09/07
Aroclor-1262	BQL	116	1	04/09/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	87	87
DCBP	100	97.1	97.1

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

Reviewed By: 

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**Results for PCBs**  
by EPA 8082

Client Sample ID: Method Blank

Analyzed By: DES

Client Project ID:

Date Collected:

Lab Sample ID: PB7827

Date Received:

Lab Project ID:

Date Extracted: 4/4/2007

Sample Wt/Vol: 32.0 g ColumnID: STX-CLPest

Matrix: SOIL

Report Basis: Dry Weight

%SOLIDS: 100.0

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	31.2	1	04/10/07
Aroclor-1221	BQL	31.2	1	04/10/07
Aroclor-1232	BQL	31.2	1	04/10/07
Aroclor-1242	BQL	31.2	1	04/10/07
Aroclor-1248	BQL	31.2	1	04/10/07
Aroclor-1254	BQL	31.2	1	04/10/07
Aroclor-1260	BQL	31.2	1	04/10/07
Aroclor-1262	BQL	31.2	1	04/10/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	90.9	90.9
DCBP	100	105.0	105.0

**Comments:**

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

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QC Results for PCBs  
by EPA 8082

Client Sample ID: Batch QC  
Lab Sample ID: G135-357-10P  
Batch ID: 7827

Analyzed By: DES  
Matrix: SOIL

MS/MSD

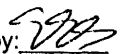
Analyte	Sample ug/KG	Spiked ug/KG	MS ug/KG	%REC (Limit 32-142)	Spiked ug/KG	MSD ug/KG	%REC (Limit 32-142)	RPD (Limit 12)
Arochlor-1260	BQL	335	330	98.5	315	311	98.7	0.203

LCS

Analyte	Spiked ug/KG	Result ug/KG	REC %	Limits	
				Lower	Upper
Arochlor-1260	312.5	313	100	70	130

Comments:

# = Outside Control Limits

Reviewed by: 



## List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

### Special Notes:

- 1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.



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  - North Carolina
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0542-542

SGS Reference: **G442-542** PAGE 1

1 CLIENT: **MARTIN SCAGLE** PHONE NO: ( )

CONTACT: **ROBERT MARTIN**

PROJECT: **KUGLUMAN REELECTRIFICATION**

REPORTS TO: **SAOR** FAX NO: ( )

INVOICE TO: **SAOR** QUOTE #

P.O. NUMBER

No	CONTAINERS	SAMPLE TYPE	Preservatives Used	Analysis Required	REMARKS
				3	MOBILE LAB
			X		LLO88
			X		LLO89

4 Shipping Carrier: \_\_\_\_\_

Shipping Ticket No: \_\_\_\_\_

Special Deliverable Requirements: \_\_\_\_\_

Requested Turnaround Time and Special Instructions: \_\_\_\_\_

Samples Received Cold? (Circle) YES NO

Temperature (C): **5.8**

Chain of Custody Seal: (Circle) INTACT BROKEN **ABSENT**

5

Collected/Relinquished By: (1)	Date	Time	Received By:
<i>[Signature]</i>	3/27/07	1400	
Relinquished By: (2)			<i>[Signature]</i>
Relinquished By: (3)	3/27/07	1000am	
Relinquished By: (4)			