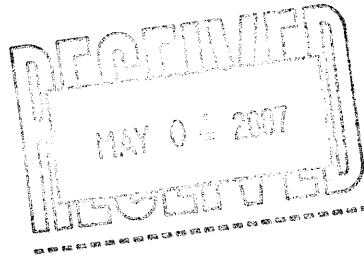




Mr. Robert Martin  
Martin & Slagle  
Box 1023  
Black Mountain NC 28711

Report Number: G442-548

Client Project: Kuhlman Electric



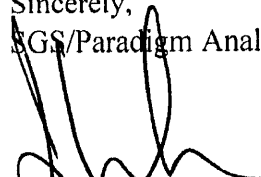
Dear Mr. Martin:

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

4/30/2007  
Date



Results for PCBs  
by EPA 8082

Client Sample ID: MS2-EFS-075-001  
Client Project ID: Kuhlman Electric  
Lab Sample ID: G442-548-1B  
Lab Project ID: G442-548  
Sample Wt/Vol: 32.17 ColumnID: STX-CLPest  
Report Basis: Dry Weight

Analyzed By: DCS  
Date Collected: 4/19/2007 9:55  
Date Received: 4/25/2007  
Date Extracted: 4/26/2007  
Matrix: Soil  
%SOLIDS: 77.6

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	120	1	04/26/07
Aroclor-1221	BQL	120	1	04/26/07
Aroclor-1232	BQL	120	1	04/26/07
Aroclor-1242	BQL	120	1	04/26/07
Aroclor-1248	BQL	120	1	04/26/07
Aroclor-1254	BQL	120	1	04/26/07
Aroclor-1260	BQL	120	1	04/26/07
Aroclor-1262	BQL	120	1	04/26/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	62	62
DCBP	100	63.8	63.8

Comments:

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

Reviewed By: iml

8082



**Results for PCBs**  
by EPA 8082

Client Sample ID: Duplicate-MM130      Analyzed By: DCS  
Client Project ID: Kuhlman Electric      Date Collected: 4/19/2007 0:00  
Lab Sample ID: G442-548-2B      Date Received: 4/25/2007  
Lab Project ID: G442-548      Date Extracted: 4/26/2007  
Sample Wt/Vol: 32.53    ColumnID: STX-CLPest      Matrix: Soil  
Report Basis: Dry Weight      %SOLIDS: 76.8

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	120	1	04/26/07
Aroclor-1221	BQL	120	1	04/26/07
Aroclor-1232	BQL	120	1	04/26/07
Aroclor-1242	BQL	120	1	04/26/07
Aroclor-1248	BQL	120	1	04/26/07
Aroclor-1254	BQL	120	1	04/26/07
Aroclor-1260	BQL	120	1	04/26/07
Aroclor-1262	BQL	120	1	04/26/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	71.1	71.1
DCBP	100	77.5	77.5

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

Reviewed By:     *me*    

8082



**Results for PCBs**  
by EPA 8082

Client Sample ID: MS2-EFS-081-001      Analyzed By: DCS  
Client Project ID: Kuhlman Electric      Date Collected: 4/20/2007 13:00  
Lab Sample ID: G442-548-3B      Date Received: 4/25/2007  
Lab Project ID: G442-548      Date Extracted: 4/26/2007  
Sample Wt/Vol: 32.75    ColumnID: STX-CLPest      Matrix: Soil  
Report Basis: Dry Weight      %SOLIDS: 78.9

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	116	1	04/26/07
Aroclor-1221	BQL	116	1	04/26/07
Aroclor-1232	BQL	116	1	04/26/07
Aroclor-1242	BQL	116	1	04/26/07
Aroclor-1248	BQL	116	1	04/26/07
Aroclor-1254	BQL	116	1	04/26/07
Aroclor-1260	BQL	116	1	04/26/07
Aroclor-1262	BQL	116	1	04/26/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	78.1	78.1
DCBP	100	86.3	86.3

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

Reviewed By:     *RM*    

8082



Results for PCBs  
by EPA 8082

Client Sample ID: MS2-Duplicate-MM140      Analyzed By: DCS  
Client Project ID: Kuhlman Electric      Date Collected: 4/20/2007 0:00  
Lab Sample ID: G442-548-4B      Date Received: 4/25/2007  
Lab Project ID: G442-548      Date Extracted: 4/26/2007  
Sample Wt/Vol: 32.81    ColumnID: STX-CLPest      Matrix: Soil  
Report Basis: Dry Weight      %SOLIDS: 78.2

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	117	1	04/26/07
Aroclor-1221	BQL	117	1	04/26/07
Aroclor-1232	BQL	117	1	04/26/07
Aroclor-1242	BQL	117	1	04/26/07
Aroclor-1248	BQL	117	1	04/26/07
Aroclor-1254	BQL	117	1	04/26/07
Aroclor-1260	BQL	117	1	04/26/07
Aroclor-1262	BQL	117	1	04/26/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	70	70
DCBP	100	75.9	75.9

**Comments:**

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:     *RM*    

8082.xls



Results for PCBs  
by EPA 8082

Client Sample ID: MS2-EFS-084-001      Analyzed By: DCS  
Client Project ID: Kuhlman Electric      Date Collected: 4/23/2007 13:40  
Lab Sample ID: G442-548-5B      Date Received: 4/25/2007  
Lab Project ID: G442-548      Date Extracted: 4/26/2007  
Sample Wt/Vol: 33.16      ColumnID: STX-CLPest      Matrix: Soil  
Report Basis: Dry Weight      %SOLIDS: 83.5

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	108	1	04/26/07
Aroclor-1221	BQL	108	1	04/26/07
Aroclor-1232	BQL	108	1	04/26/07
Aroclor-1242	BQL	108	1	04/26/07
Aroclor-1248	BQL	108	1	04/26/07
Aroclor-1254	BQL	108	1	04/26/07
Aroclor-1260	BQL	108	1	04/26/07
Aroclor-1262	BQL	108	1	04/26/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	85.6	85.6
DCBP	100	94.4	94.4

**Comments:**

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

Reviewed By:                     

8082



Results for PCBs  
by EPA 8082

Client Sample ID: MS2-Duplicate-MM147      Analyzed By: DCS  
Client Project ID: Kuhlman Electric      Date Collected: 4/23/2007 0:00  
Lab Sample ID: G442-548-6B      Date Received: 4/25/2007  
Lab Project ID: G442-548      Date Extracted: 4/26/2007  
Sample Wt/Vol: 32.97    ColumnID: STX-CLPest      Matrix: Soil  
Report Basis: Dry Weight      %SOLIDS: 82.9

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	110	1	04/26/07
Aroclor-1221	BQL	110	1	04/26/07
Aroclor-1232	BQL	110	1	04/26/07
Aroclor-1242	BQL	110	1	04/26/07
Aroclor-1248	BQL	110	1	04/26/07
Aroclor-1254	BQL	110	1	04/26/07
Aroclor-1260	BQL	110	1	04/26/07
Aroclor-1262	BQL	110	1	04/26/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	87.8	87.8
DCBP	100	96.8	96.8

Comments:

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

Reviewed By:     *RM*    

8082



**Results for PCBs**  
by EPA 8082

Client Sample ID: MS2-EFS-091-001      Analyzed By: DCS  
Client Project ID: Kuhlman Electric      Date Collected: 4/24/2007 10:05  
Lab Sample ID: G442-548-7B      Date Received: 4/25/2007  
Lab Project ID: G442-548      Date Extracted: 4/26/2007  
Sample Wt/Vol: 33.61      ColumnID: STX-CLPest      Matrix: Soil  
Report Basis: Dry Weight      %SOLIDS: 81.1

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	110	1	04/26/07
Aroclor-1221	BQL	110	1	04/26/07
Aroclor-1232	BQL	110	1	04/26/07
Aroclor-1242	BQL	110	1	04/26/07
Aroclor-1248	BQL	110	1	04/26/07
Aroclor-1254	BQL	110	1	04/26/07
Aroclor-1260	BQL	110	1	04/26/07
Aroclor-1262	BQL	110	1	04/26/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	87	87
DCBP	100	96.7	96.7

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

Reviewed By:     *RL*    

8082





Results for PCBs  
by EPA 8082

Client Sample ID: MS2-Duplicate-MM151      Analyzed By: DCS  
Client Project ID: Kuhlman Electric      Date Collected: 4/24/2007 0:00  
Lab Sample ID: G442-548-8B      Date Received: 4/25/2007  
Lab Project ID: G442-548      Date Extracted: 4/26/2007  
Sample Wt/Vol: 34.85    ColumnID: STX-CLPest      Matrix: Soil  
Report Basis: Dry Weight      %SOLIDS: 80.7

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	107	1	04/26/07
Aroclor-1221	BQL	107	1	04/26/07
Aroclor-1232	BQL	107	1	04/26/07
Aroclor-1242	BQL	107	1	04/26/07
Aroclor-1248	BQL	107	1	04/26/07
Aroclor-1254	BQL	107	1	04/26/07
Aroclor-1260	BQL	107	1	04/26/07
Aroclor-1262	BQL	107	1	04/26/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	89.6	89.6
DCBP	100	99.6	99.6

Comments:

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

Reviewed By:     

8082.xls



**Results for PCBs**  
by EPA 8082

Client Sample ID: Method Blank

Client Project ID:

Lab Sample ID: PB7999

Lab Project ID:

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

Report Basis: Dry Weight

Analyzed By: DCS

Date Collected:

Date Received:

Date Extracted: 4/26/2007

Matrix: SOIL

%SOLIDS: 100.0

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	31.2	1	04/26/07
Aroclor-1221	BQL	31.2	1	04/26/07
Aroclor-1232	BQL	31.2	1	04/26/07
Aroclor-1242	BQL	31.2	1	04/26/07
Aroclor-1248	BQL	31.2	1	04/26/07
Aroclor-1254	BQL	31.2	1	04/26/07
Aroclor-1260	BQL	31.2	1	04/26/07
Aroclor-1262	BQL	31.2	1	04/26/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	103	103
DCBP	100	108.0	108.0

**Comments:**

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

8082.xls



QC Results for PCBs  
by EPA 8082

Client Sample ID: Batch QC  
Lab Sample ID: G442-550-19C  
Batch ID: 7999

Analyzed By: DCS  
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	343	326	95	333	321	96.4	1.46

LCS

Analyte		Spiked ug/KG	Result ug/KG	REC %	Limits	
					Lower	Upper
Arochlor-1260		312.5	351	112	70	130

Comments:

# = Outside Control Limits

Reviewed by: me



## 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.



**CHAIN OF CUSTODY RECORD**  
**SGS Environmental Services Inc.**

- Locations Nationwide
- Alaska
  - Hawaii
  - Louisiana
  - Maryland
  - New Jersey
  - North Carolina
  - West Virginia
- www.us.sgs.com 062



1 CLIENT: **MARTIN + SLAGLE**

CONTACT: **ROBERT MARTIN** PHONE NO: ( )

PROJECT: **KULHMAN ELECTRIC** SITE/PWSID#: \_\_\_\_\_

REPORTS TO: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

INVOICE TO: **SAME** FAX NO.:( )

QUOTE # \_\_\_\_\_

P.O. NUMBER \_\_\_\_\_

SGS Reference: **G442-548**

NO	CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED	ANALYSIS REQUIRED	PAGE	OF	REMARKS
1	1	S	X	NA	1		MOBIL GAS
1	1	S	X	NA			MM128
1	1	S	X	NA			MM130
1	1	S	X	NA			MM135
1	1	S	X	NA			MM140
1	1	S	X	NA			MM141
1	1	S	X	NA			MM147
1	1	S	X	NA			MM149
1	1	S	X	NA			MM151

2

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX
	MS2-EFS-075-001	4/19/07	0955	S
	DUPLICATE	4/19/07		S
	MS2-EFS-081-001	29AP07	1300	S
	MS2-DUPLICATE	29AP07		S
	MS2-EFS 084-001	4/23/07	1340	S
	MS2-DUPLICATE	4/23/07		S
	MS2-EFS-091-001	4/24/07	1005	S
	MS2-DUPLICATE	4/24/07		S

5

Collected/Relinquished By: (1) **Charles Peel**

Relinquished By: (2) \_\_\_\_\_

Relinquished By: (3) \_\_\_\_\_

Relinquished By: (4) \_\_\_\_\_

Received By: \_\_\_\_\_

Received By: \_\_\_\_\_

Received By: \_\_\_\_\_

Received By: \_\_\_\_\_

4

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

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

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

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

Samples Received Cold? (Circle) YES NO

Temperature (C): **4.3**

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT