

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

Report Number: G442-516

Client Project: Kuhlman Electric

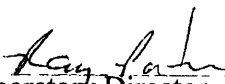
Dear Mr. Martin:

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

2/12/2007  
Date



Results for PCBs  
by EPA 8082

Client Sample ID: MS1-EFS-001-001

Client Project ID: Kuhlman Electric

Lab Sample ID: G442-516-1B

Lab Project ID: G442-516

Sample Wt/Vol: 10.57 ColumnID: STX-CLPest

Report Basis: Dry Weight

Analyzed By: DES

Date Collected: 1/30/07 10:55

Date Received: 2/2/07

Date Extracted: 2/5/07

Matrix: Soil

%SOLIDS: 87.4

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	10800	100	02/10/07
Aroclor-1221	BQL	10800	100	02/10/07
Aroclor-1232	BQL	10800	100	02/10/07
Aroclor-1242	BQL	10800	100	02/10/07
Aroclor-1248	BQL	10800	100	02/10/07
Aroclor-1254	BQL	10800	100	02/10/07
Aroclor-1260	83600	10800	100	02/10/07
Aroclor-1262	BQL	10800	100	02/10/07

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

# = Surrogate recovery is outside limits. (40-130%)

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

**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 (LL005)  
Client Project ID: Kuhlman Electric  
Lab Sample ID: G442-516-2B  
Lab Project ID: G442-516  
Sample Wt/Vol: 11.27 ColumnID: STX-CLPest  
Report Basis: Dry Weight

Analyzed By: DES  
Date Collected: 1/30/07 0:00  
Date Received: 2/2/07  
Date Extracted: 2/5/07  
Matrix: Soil  
%SOLIDS: 87.2

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	10200	100	02/10/07
Aroclor-1221	BQL	10200	100	02/10/07
Aroclor-1232	BQL	10200	100	02/10/07
Aroclor-1242	BQL	10200	100	02/10/07
Aroclor-1248	BQL	10200	100	02/10/07
Aroclor-1254	BQL	10200	100	02/10/07
Aroclor-1260	116000	10200	100	02/10/07
Aroclor-1262	BQL	10200	100	02/10/07

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

# = Surrogate recovery is outside limits. (40-130%)

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

**Comments:**

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:                     

8082.xls



**Results for PCBs**  
by EPA 8082

Client Sample ID: MS1-EFS-005-001

Client Project ID: Kuhlman Electric

Lab Sample ID: G442-516-3B

Lab Project ID: G442-516

Sample Wt/Vol: 10.46 ColumnID: STX-CLPest

Report Basis: Dry Weight

Analyzed By: DES

Date Collected: 1/30/07 16:48

Date Received: 2/2/07

Date Extracted: 2/5/07

Matrix: Soil

%SOLIDS: 88.6

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	108	1	02/10/07
Aroclor-1221	BQL	108	1	02/10/07
Aroclor-1232	BQL	108	1	02/10/07
Aroclor-1242	BQL	108	1	02/10/07
Aroclor-1248	BQL	108	1	02/10/07
Aroclor-1254	BQL	108	1	02/10/07
Aroclor-1260	BQL	108	1	02/10/07
Aroclor-1262	BQL	108	1	02/10/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	102	102
DCBP	100	112.0	112.0

**Comments:**

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:     *DES*    

8082.xls



Results for PCBs  
by EPA 8082

Client Sample ID: MS1-EFS-006-001  
Client Project ID: Kuhlman Electric  
Lab Sample ID: G442-516-4B  
Lab Project ID: G442-516  
Sample Wt/Vol: 10.63 ColumnID: STX-CLPest  
Report Basis: Dry Weight

Analyzed By: DES  
Date Collected: 1/31/07 10:50  
Date Received: 2/2/07  
Date Extracted: 2/5/07  
Matrix: Soil  
%SOLIDS: 92.1

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	102	1	02/10/07
Aroclor-1221	BQL	102	1	02/10/07
Aroclor-1232	BQL	102	1	02/10/07
Aroclor-1242	BQL	102	1	02/10/07
Aroclor-1248	BQL	102	1	02/10/07
Aroclor-1254	BQL	102	1	02/10/07
Aroclor-1260	BQL	102	1	02/10/07
Aroclor-1262	BQL	102	1	02/10/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	111	111
DCBP	100	117.0	117.0

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

Reviewed By: me

8082.xls



Results for PCBs  
by EPA 8082

Client Sample ID: Duplicate (LL013)

Client Project ID: Kuhlman Electric

Lab Sample ID: G442-516-5B

Lab Project ID: G442-516

Sample Wt/Vol: 11.69 ColumnID: STX-CLPest

Report Basis: Dry Weight

Analyzed By: DES

Date Collected: 1/31/07 0:00

Date Received: 2/2/07

Date Extracted: 2/5/07

Matrix: Soil

%SOLIDS: 92.3

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	92.7	1	02/10/07
Aroclor-1221	BQL	92.7	1	02/10/07
Aroclor-1232	BQL	92.7	1	02/10/07
Aroclor-1242	BQL	92.7	1	02/10/07
Aroclor-1248	BQL	92.7	1	02/10/07
Aroclor-1254	BQL	92.7	1	02/10/07
Aroclor-1260	BQL	92.7	1	02/10/07
Aroclor-1262	BQL	92.7	1	02/10/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	112	112
DCBP	100	114.0	114.0

**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: PB7264

Lab Project ID:

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

Report Basis: Dry Weight

Analyzed By: DES

Date Collected:

Date Received:

Date Extracted: 2/5/07

Matrix: SOIL

%SOLIDS: 100.0

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	31.2	1	02/10/07
Aroclor-1221	BQL	31.2	1	02/10/07
Aroclor-1232	BQL	31.2	1	02/10/07
Aroclor-1242	BQL	31.2	1	02/10/07
Aroclor-1248	BQL	31.2	1	02/10/07
Aroclor-1254	BQL	31.2	1	02/10/07
Aroclor-1260	BQL	31.2	1	02/10/07
Aroclor-1262	BQL	31.2	1	02/10/07

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	116	116
DCBP	100	127.0	127.0

**Comments:**

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: fm

8082.xls



QC Results for PCBs  
by EPA 8082

Client Sample ID: Batch QC  
Lab Sample ID: G442-517-2B  
Batch ID: 7264

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)
Aroclor-1260	113	1090	1350	113	1070	1310	112	0.889

LCS

Analyte	Spiked ug/KG	Result ug/KG	REC %	Limits	
				Lower	Upper
Aroclor-1260	312.5	334	107	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.



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

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



06333

PAGE 1

SGS Reference: G442-516

**1**

CLIENT: MARTIN + SARGE  
 CONTACT: ROBERT MARTIN PHONE NO: ( )  
 PROJECT: KUTUMAU ELECTRIC SITE/PWSID#: E-MAIL:  
 REPORTS TO: SAME FAX NO: ( )  
 INVOICE TO: SAME QUOTE #  
 P.O. NUMBER

**2**

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX
	MS1-EFS-001-001	01/30/07	1055	S
	Duplicate	01/30/07		S
	MS1-EFS-005-001	01/30/07	1648	S
	MS1-EFS-006-001	01/31/07	1050	S
	Duplicate	01/31/07		S

**5**

Collected/Relinquished By: (1)  
 Relinquished By: (2)  
 Relinquished By: (3)  
 Relinquished By: (4)

Date: 2/1/07 Time: 1400  
 Date: 2/20/14 Time: 20  
 Date: Time:  
 Date: Time:

Received By:  
 Received By:  
 Received By:  
 Received By:

No	CONTAINERS	SAMPLE TYPE	Preservatives Used	Analysis Required	REMARKS
		C= COMP G= GRAB	NA	3	
					Mobil Lab
					LL001
					LL005
					LL011
					LL012
					LL013

**4**

Shipping Carrier:  
 Shipping Ticket No:  
 Special Deliverable Requirements:  
 Requested Turnaround Time and Special Instructions:

Samples Received Cold? (Circle) YES NO  
 Temperature (C): 2.0  
 Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT