
August 8, 2005

Robert Martin
Martin & Slagle, LLC
P.O. Box 1023
Black Mountain, NC 28711

Dear Mr. Martin,

Enclosed is the Technical Memorandum for work completed at the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi during the month of July. If you have any questions concerning this information, please give me a call.

Sincerely,


Richard Johnson

Enclosure

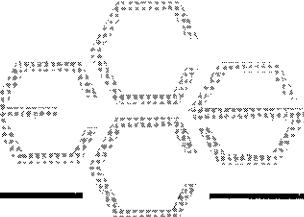
Environmental Chemistry Consulting Services, Inc.

2525 Advance Road • Madison, WI 53718 • Phone (608) 221-8700 • FAX (608) 221-4889

Technical Memorandum

Borg Warner / Kuhlman Electric

Crystal Springs, Mississippi



TECHNICAL MEMORANDUM

August 8, 2005

To: Robert Martin
Martin Slagle Inc.

From: Richard Johnson
ECCS, Inc.

Re: Field Analytical Methods – QC Summary
Borg Warner – Kuhlman Electric Facility
Crystal Springs, Mississippi

INTRODUCTION

This Technical Memorandum provides documentation of the field analytical test methods used to analyze soil and water samples collected from JMP Property area during July 2005 during an accelerated site investigation episode around the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi. Soil and water samples were analyzed for polychlorinated biphenyls (PCBs) and chlorinated benzenes by gas chromatography (GC) in accordance with ECCS's Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure. A summary of test results is provided in Table 1 for soils and Table 2 for waters. A summary of method blanks, laboratory control samples and matrix spike/matrix spike duplicate data is provided in Table 3 for the soils and Table 4 for the waters.

In addition copies of the chain of custody sheets and shipping sheets can be found in appendix A through C.

- A) Chain of custody sheets for mobile lab PCB analysis for Excavation samples
- B) FEDEX shipping label for Paradigm Labs
- C) Chain of custody sheets for samples sent to Paradigm Labs

The PCB mini-extraction procedure is based on the existing EPA SW846 methods 8082/8141. The procedure incorporates all the quality control rigors of the full 8082/8141 methods including quantification based on 6-point calibration with continuing calibration verification, surrogate method performance monitoring, method blanks, laboratory control samples (LCS), and matrix spike/matrix spike (MS/MSD) duplicate samples. As such, you should consider these test results as comparable to what you would get from a fixed-based laboratory using the more-widely accepted extraction procedure.

Environmental Chemistry Consulting Services, Inc.

The primary project objective of the sampling and testing episode was to delineate the PCB contamination at and around the site using the accelerated site characterization approach. The mobile laboratory was required to provide data as quickly as possible to keep the accelerated site investigation process on track while trying to maintain a goal of level three data quality.

CASE NARRATIVE

During the episode, all samples collected were analyzed. To maintain rapid turnaround and to meet the project objective, three GCs were operated on a nearly continuous basis.

Quality control including proper calibration, continuing calibration verification, surrogates, method blanks, laboratory control samples and matrix spike/matrix spike duplicate samples was performed at the method-specified intervals. Overall quality of the data is very good. The following quality related issues should be noted:

1. All surrogate recoveries were within acceptable ranges.
2. All LCS recoveries were within acceptable ranges. See Table 3 and 4.
3. All MS/MSD recoveries were within acceptable ranges. Percent repeatability was also within acceptable ranges. See Table 3 and 4.
4. Since electron capture of detectors tend to have a very narrow linear range, many sample extracts required dilution. Dilutions were accurately done.

METHOD SUMMARY

This method employs a mini-extraction procedure and gas chromatography analysis for the detection of PCBs and chlorinated benzenes. Reporting limits are provided in the results Tables. Four grams of sample are dried with anhydrous sodium sulfate and extracted with eight mLs of 80/20 iso-octane/acetone. The extract is then analyzed by Gas Chromatography-Electron Capture Detector (GC-ECD).

Procedure

1. Standards Preparation - Primary standards are prepared from a solution purchased from various vendors at Certified concentrations. Stock standards are prepared in suitable solvents and stored in a freezer when not in use. Secondary standards are prepared in 80/20 iso-octane/acetone and stored in a freezer when not in use. Standard curve mixes for this project was prepared at six concentrations: PCBs – 0.05, 0.10, 0.20, 0.50, 1.0 and 2.0 ug/m; chlorinated benzenes – 0.005, 0.01, 0.02, 0.05, 0.10 and 0.20 ug/ml.
2. Sample Preparation - SOILS: Each sample or quality control sample is prepared in identical fashion. Approximately four grams of silica sand (blanks and control spikes) or sample is transferred into a clean scintillation vial. Ten grams of anhydrous sodium sulfate are added to the vial and mixed well. Extra sodium sulfate is added when necessary to assure the sample is dried. A surrogate, spike compound mix (if necessary) and eight mLs of 80/20 iso-octane/acetone are added to the vial. The vial is shaken for 30 seconds, allowed to settle for 2 minutes, shaken again for 30 seconds, and allowed to settle for 10 minutes. An aliquot of the extract is transferred to an autosampler vial for injection into the GC-ECD.
3. WATER Samples: 200 grams of water was weighed into a clean jar containing 50 grams of sodium chloride. The samples were spiked with a surrogate in addition the LCS/MS/MSD were spiked with PCB's and chlorinated benzenes. Added 10 ml of iso-octane to each and shake 3 times for 2 minutes each time. Samples were allowed to settle for approximately 5 minutes between each shake. Isooctane was decanted into a scintillation vial and then an aliquot was transferred to an autosampler vial. Then extracts were injected into a GC-ECD.
4. GC-ECD Analysis - A sample aliquot is injected into an HP5890 GC with an ECD equipped with an HP ChemStation for data processing. PCBs were identified by matching retention times of standards to the same retention time in the sample. Regression analysis was performed on each of the selected peak's height versus concentration of the standard using a LN/LN transformed linear regression. For PCBs nine peaks were selected for quantification. The ug/mL value for each peak was added together and divided by the number of peaks selected to obtain the total PCB ug/mL result. If interference occurred at any of the peaks, these peaks were not included in the total, and the divisor was reduced accordingly.
5. Quality Control - Quality control consisted of the following items:
 - Continuing calibration standards analyzed every ten samples or less and at the end of a run.
 - Blank and LCS samples analyzed every twenty sample or less with a minimum of one per day.
 - MS/MSD samples analyzed every twenty samples or less with a minimum of one per day.
 - Information is documented in logbook 45 and July run sheets.
6. Instrument Conditions - Two HP5890 gas chromatographs were equipped with RTX-35 capillary columns. Each system had a Leap Technologies A200S auto-sampler and an HP ChemStation for data handling.

Table 1

Soil Sample Results – July

Table 1
Kuhlman Electric
Crystal Springs, Mississippi
PCB Concentrations as Aroclor 1260 Detected

Field Laboratory									
Field Lab Sample ID	Sample ID	Sample Depth	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)	Surrogate TCMX(%)	Surrogate DCBP(%)	R I n s e
HH001	JMP-DP-001-001	0-1'	14-Jul-05	12:35	14-Jul-05	< 0.10	96.3	96.2	
HH002	JMP-DP-001-002	1-2'	14-Jul-05	12:38	14-Jul-05	< 0.10	92.6	83.9	
HH003	JMP-DP-002-001	0-1'	14-Jul-05	12:50	14-Jul-05	< 0.10	92.4	90.5	
HH004	JMP-DP-002-002	1-2'	14-Jul-05	12:54	14-Jul-05	< 0.10	92.4	84.2	
HH005	JMP-DP-003-001	0-1'	14-Jul-05	13:02	14-Jul-05	< 0.10	95.5	87.8	
HH006	JMP-DP-003-002	1-2'	14-Jul-05	13:06	14-Jul-05	< 0.10	94.9	86.6	
HH007	JMP-DP-004-001	0-1'	14-Jul-05	13:10	14-Jul-05	< 0.10	97.6	89.4	
HH008	JMP-DP-004-002	1-2'	14-Jul-05	13:13	14-Jul-05	< 0.10	93.4	96.5	
HH009	JMP-DP-005-001	0-1'	14-Jul-05	13:20	14-Jul-05	< 0.10	92.8	85.3	
HH010	JMP-DP-005-002	1-2'	14-Jul-05	13:24	14-Jul-05	< 0.10	100	105	
HH011	JMP-Duplicate	-	14-Jul-05	-	14-Jul-05	< 0.10	92.3	88.4	
HH012	JMP-DP-006-001	0-1'	14-Jul-05	14:50	14-Jul-05	0.10	91.7	90.9	
HH013	JMP-DP-006-002	1-2'	14-Jul-05	14:54	14-Jul-05	< 0.10	94.9	90.6	
HH014	JMP-DP-007-001	0-1'	14-Jul-05	15:09	14-Jul-05	0.14	94.4	89.8	
HH015	JMP-DP-007-002	1-2'	14-Jul-05	15:12	14-Jul-05	< 0.10	99.7	90.4	
HH016	JMP-DP-008-001	0-1'	14-Jul-05	15:18	14-Jul-05	< 0.10	90.6	85.4	
HH017	JMP-DP-008-002	1-2'	14-Jul-05	15:23	14-Jul-05	< 0.10	91.6	96.4	
HH018	JMP-DP-009-001	0-1'	14-Jul-05	15:30	14-Jul-05	< 0.10	92.4	85.2	
HH019	JMP-DP-009-002	1-2'	14-Jul-05	15:34	14-Jul-05	< 0.10	92.1	92.3	
HH020	JMP-DP-010-001	0-1'	14-Jul-05	15:46	14-Jul-05	< 0.10	88.0	90.7	
HH021	JMP-DP-010-002	1-2'	14-Jul-05	15:49	14-Jul-05	< 0.10	92.7	93.2	

NOTES:

A = Acid Treated.

Surrogate recovery criteria 60-140% unless sample is acid treated.

Surrogate recovery criteria 75-175% if sample is acid treated.

Table 2
Water Sample Results – July

Table 2
Kuhlman Electric
Crystal Springs, Mississippi
PCB Concentrations as Aroclor 1260 Detected

					Field Laboratory			
Field Lab Sample ID	Sample ID	Sample Depth	Date Collected	Time Collected	Date Analyzed	Concentration (ug/L)	Surrogate TCMX(%)	Surrogate DCBP(%)
W1304	JMP-FB-001	-	14-Jul-05	12:24	15-Jul-05	< 0.25	110	96.6

Table 3

Soil QC Samples - July

Table 3
QC Results

Lab # associated with qc samples: HH001 through HH020

Matrix	Matrix			
Matrix	Spike	Duplicate	Blank	LCS
HH009	HH009		834	834

Date Analyzed: 7/14/05 7/14/05 7/14/05 7/14/05

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	93.1		93.1		0%	< 0.10	86.4

Table 3
QC Results

Lab # associated with qc samples: HH021

	Matrix				
Matrix	Spike				
Spike	Duplicate			Blank	LCS
HH020	HH020				

Date Analyzed: 7/14/05 7/14/05

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	91.2		92.0		-1%		

Table 4

Water QC Samples - July

Table 4
QC Results

Lab # associated with qc samples: W1304

	Matrix	Spike	Duplicate	Blank	LCS
Matrix					
Spike					
W1305			W1305		

Date Analyzed: 7/15/05 7/15/05 7/15/05 7/15/05

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
PCB as 1260	98.6		101		-2%	< 0.25	98.7

Appendix A

Chain of Custody Sheets for mobile lab PCB analysis Samples

Appendix B

FEDEX shipping label for Paradigm Labs

From Please print and press hard.

Date **7/20/05**

Sender's FedEx
Account Number

Send Name **Chuck Peel**

Phone (601) FFP-2792

Company **PEEL CONSULTING**

Address **140 CHAPEL LANE**

Dept./Floor/Suite/Room

City **MADISON**

State **MS** ZIP **39110**

Your Internal Billing Reference

First 24 characters will appear on invoice.

MARTIN + SLAGLE OPTIONAL

To

Recipient's

Name **SAMPLE CUSTODIAN**

Phone ()

Company **PARADIGM ANALYTICAL LABS**

Recipient's Address **5500 BUSINESS DR**

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City **WILMINGTON**

State **NC** ZIP **28405-8446**

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com
or call 1.800.GoFedEx 1.800.463.3339.

0295350499

Form
ID No.

0215

SEARCHED

4a Express Package Service

FedEx Priority Overnight
Next business morning*

FedEx Standard Overnight
Next business afternoon*

FedEx First Overnight
Earliest next business morning
Delivery to select locations*

FedEx 2Day
Second business day*

FedEx Express Saver
Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations

Packages up to 150 lbs.

FedEx 1Day Freight*
Next business day*

FedEx 2Day Freight
Second business day*

FedEx 3Day Freight
Third business day*

* Call for Confirmation

Packages over 150 lbs.

* To most locations

5 Packaging

FedEx Envelope*
Includes FedEx Small Pak,
FedEx Large Pak, and FedEx Sturdy Pak

FedEx Pak*
Includes FedEx Small Pak,
FedEx Large Pak, and FedEx Sturdy Pak

FedEx Box

FedEx Tube

Other

* Declared value limit \$500

6 Special Handling

SATURDAY Delivery

Available ONLY for
FedEx Priority Overnight, FedEx 2Day,
FedEx 1Day Freight, and FedEx 2Day
Freight to select 271 cities

Does this shipment contain dangerous goods?

No Yes

As per attached
Shipper's Declaration
not required

HOLD Weekly
at FedEx Location
NOT Available for
FedEx First Overnight

HOLD Saturday
at FedEx Location
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

Dry Ice
Dry Ice, S, UN 1845 _____ kg

Cargo Aircraft Only

One box must be checked.

FedEx Acct. No.
Credit Card No.

1811-4189-1

Exp. Date

Total Packages Total Weight Total Declared Value†

\$.00

FedEx Use Only

* Our liability is limited to \$100 unless you declare a higher value. See back for details.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

466

SAC • Rev. Date 11/03 • Part #158273 • ©1994-2003 FedEx • PRINTED IN U.S.A.

Appendix C

Chain of Custody Sheets for samples sent to Paradigm Labs

2004

August 8, 2005

Robert Martin
Martin & Slagle, LLC
P.O. Box 1023
Black Mountain, NC 28711

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Sincerely,

Kari Ann Johnson

for Richard Johnson

Enclosure

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Technical Memorandum

Borg Warner / Kuhlman Electric

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2. Sample Preparation - SOILS: Each sample or quality control sample is prepared in identical fashion. Approximately four grams of silica sand (blanks and control spikes) or sample is transferred into a clean scintillation vial. Ten grams of anhydrous sodium sulfate are added to the vial and mixed well. Extra sodium sulfate is added when necessary to assure the sample is dried. A surrogate, spike compound mix (if necessary) and eight mLs of 80/20 iso-octane/acetone are added to the vial. The vial is shaken for 30 seconds, allowed to settle for 2 minutes, shaken again for 30 seconds, and allowed to settle for 10 minutes. An aliquot of the extract is transferred to an autosampler vial for injection into the GC-ECD.
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Table 1

Soil Sample Results – July

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Kuhlman Electric
Crystal Springs, Mississippi
PCB Concentrations as Aroclor 1260 Detected

Field Laboratory									
Field Lab Sample ID	Sample ID	Sample Depth	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)	Surrogate TCMX(%)	Surrogate DCBP(%)	Rinses
GG047	GTP-DP-023-001	0-1'	14-Jul-05	10:38	14-Jul-05	1.0	90.1	96.1	
GG048	GTP-DP-023-002	1-2'	14-Jul-05	10:41	14-Jul-05	< 0.10	93.1	89.8	
GG049	GTP-DP-024-001	0-1'	14-Jul-05	10:35	14-Jul-05	8.0	89.8	89.9	
GG050	GTP-DP-024-002	1-2'	14-Jul-05	10:38	14-Jul-05	0.33	99.9	90.2	
GG051	GTP-DP-025-001	0-1'	14-Jul-05	10:43	14-Jul-05	0.51	84.1	75.3	
GG052	GTP-DP-025-002	1-2'	14-Jul-05	10:46	14-Jul-05	0.13	93.6	85.5	
GG053	GTP-DP-026-001	0-1'	14-Jul-05	10:51	14-Jul-05	9.9	94.4	95.7	
GG054	GTP-DP-026-002	1-2'	14-Jul-05	10:53	14-Jul-05	0.23	92.2	89.6	
GG055	GTP-Duplicate	-	14-Jul-05	-	14-Jul-05	0.91	90.8	90.9	
GG056	GTP-DP-027-001	0-1'	22-Jul-05	11:14	22-Jul-05	0.43	99.6	83.9	
GG057	GTP-DP-027-002	1-2'	22-Jul-05	11:16	22-Jul-05	< 0.10	99.6	96.6	
GG058	GTP-DP-028-001	0-1'	22-Jul-05	11:19	22-Jul-05	< 0.10	102	94.7	
GG059	GTP-DP-028-002	1-2'	22-Jul-05	11:21	22-Jul-05	< 0.10	102	97.4	
GG060	GTP-Duplicate	-	22-Jul-05	-	22-Jul-05	0.39	103	87.3	
GG061	GTP-DP-029-001	0-1'	22-Jul-05	11:23	22-Jul-05	0.25	102	95.0	
GG062	GTP-DP-029-002	1-2'	22-Jul-05	11:26	22-Jul-05	< 0.10	101	97.8	
GG063	GTP-DP-030-001	0-1'	22-Jul-05	11:30	22-Jul-05	0.26	99.7	90.4	
GG064	GTP-DP-030-002	1-2'	22-Jul-05	11:32	22-Jul-05	< 0.10	104	109	
GG065	GTP-DP-031-001	0-1'	22-Jul-05	11:36	22-Jul-05	0.22	100	85.0	
GG066	GTP-DP-031-002	1-2'	22-Jul-05	11:39	22-Jul-05	< 0.10	101	96.3	

NOTES:

A = Acid Treated.

Surrogate recovery criteria 60-140% unless sample is acid treated.

Surrogate recovery criteria 75-175% if sample is acid treated.

Table 2

Water Sample Results – July

Table 2
Kuhlman Electric
Crystal Springs, Mississippi
PCB Concentrations as Aroclor 1260 Detected

					Field Laboratory			
Field Lab Sample ID	Sample ID	Sample Depth	Date Collected	Time Collected	Date Analyzed	Concentration (ug/L)	Surrogate TCMX(%)	Surrogate DCBP(%)
W1303	GTP-FB-002	-	14-Jul-05	10:23	15-Jul-05	< 0.25	106	93.2
W1312	GTP-FB-003	-	22-Jul-05	11:13	26-Jul-05	< 0.25	113	108

Table 3

Soil QC Samples - July

Table 3
QC Results

Lab # associated with qc samples: GG047 through GG055

Matrix	Matrix	Matrix	Blank	LCS
Matrix	Spike	Duplicate		
Spike				
HH009	HH009		833	833

Date Analyzed: 7/14/05 7/14/05 7/14/05 7/14/05

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	93.1		93.1		0%	< 0.10	90.3

Table 3
QC Results

Lab # associated with qc samples: GG056 through GG066

Matrix	Matrix	Matrix	Blank	LCS
Spike	Duplicate			
GG059	GG059		841	841

Date Analyzed: 7/22/05 7/22/05 7/22/05 7/22/05

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	98.6		98.1		1%	< 0.10	97.6

Table 4

Water QC Samples - July

Table 4
QC Results

Lab # associated with qc samples: W1303

Matrix	Matrix			
Matrix	Spike			
Spike	Duplicate		Blank	LCS
W1305	W1305			

Date Analyzed: 7/15/05 7/15/05 7/15/05 7/15/05

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
PCB as 1260	98.6		101		-2%	< 0.25	98.7

Table 4
QC Results

Lab # associated with qc samples: W1312

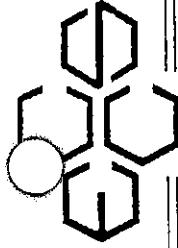
Matrix	Matrix	Blank	LCS
Matrix	Spike		
Spike	Duplicate		
W1312	W1312		

Date Analyzed: 7/27/05 7/27/05 7/26/05 7/26/05

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
PCB as 1260	92.7		90.9		2%	< 0.25	104

Appendix A

Chain of Custody Sheets for mobile lab PCB analysis Samples



**Environmental Chemistry
Consulting Services, Inc.**

2525 Advance Road
Madison, WI 53718

Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY
MISC

No. **013227**

Page **1** of **1**

Turn Around (circle one) Normal Rush

Report Due:

Invoice To:

Company:

Kuteman Electric

Address:

Check Peel

Address:

P.O. No.: **W1312**

Quote No.:

Company:

MARTIN + SALTER

Address:

P.O. No.:

Quote No.:

Company:

WAT

Address:

P.O. No.:

Quote No.:

Company:

PCSS

Address:

P.O. No.:

Quote No.:

Company:

W1312

Address:

P.O. No.:

Quote No.:

Sample Description: **GTP-FB-003**

Date: **7/22/05**

Time: **11:13**

Matrix: **W**

Total Bottles: **1**

Present*: **WAT**

Analysis Requested:

Comments:

Laboratory Number:

[Handwritten Signature]

Received By:
[Signature]

Date/Time:
7/22/05

WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER

Shipped Via:

Temp Blank Y N

Receipt Temp:

Temp Blank Y N

Turn Around (circle one) Normal Rush

Date/Time:

Report Due:

Date/Time:

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Date/Time:

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Date/Time:

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Date/Time:

P.O. No.:

Appendix B

FEDEX shipping label for Paradigm Labs

fedEx® US Airbill
ExpressFedEx
Tracking
Number

8494 4407 3329

From Please print and press hard.

Date 7/20/05

Sender's FedEx
Account Number

Chuck Peel

Phone (601) 888-2792

End/
Name

Company

Address

City

Your Internal Billing Reference

First 24 characters will appear on invoice.

MARTIN + SLAGLE OPTIONAL

To Recipient's Name

SAMPLE CUSTODIAN

Phone ()

Company

PARADIGM ANALYTICAL LABS

Recipient's Address

5500 BUSINESS DR

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City

WILMINGTON

State NC

ZIP 28405-8446

Dept./Floor/Suite/Room

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

0295350499

**fedEx**® US Airbill
ExpressFedEx
Tracking
Number

8494 4407 3330

From

Please print and press hard.

Date 7/28/05

Sender's FedEx
Account Number

Sender's Name

CHUCK PEEL

Phone (601) 898-2792

Company

PEEL CONSULTING

Address

140 CHAPEL LANE

Dept./Floor/Suite/Room

City

MADISON

State MS

ZIP 39110

Your Internal Billing Reference

First 24 characters will appear on invoice.

MARTIN + SLAGLE

To Recipient's Name

SAMPLE CUSTODIAN

Phone ()

Company

PARADIGM ANALYTICAL LABS

Recipient's Address

5500 BUSINESS DR

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City

MINGTOM

State NC

ZIP 28405-8446

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com

or call 1.800.GoFedEx 1.800.463.3339.

0215

Sender's Copy

4a Express Package Service

 FedEx Priority Overnight
Next business morning* FedEx Standard Overnight
Next business afternoon*Packages up to 150 lbs.
To most locations FedEx 2Day
Second business day*
FedEx envelope rates not available. Minimum charge: One-pound rate FedEx Express Saver
Third business day* FedEx First Overnight
Earliest next business morning delivery to select locations*

4b Express Freight Service

 FedEx 1Day Freight*
Next business day** FedEx 2Day Freight
Second business day*Packages over 150 lbs.
To most locations

* Call for Confirmation:

5 Packaging

 FedEx Envelope* FedEx Pak*
Includes FedEx Small Pak,
FedEx Large Pak, and FedEx Sturdy Pak FedEx Box FedEx Tube
 Other

6 Special Handling

 SATURDAY Delivery
Available ONLY for
FedEx Priority Overnight, FedEx 2Day,
FedEx 1Day Freight, and FedEx 2Day
Freight to select ZIP codes HOLD Weekday
at FedEx Location
NOT Available for
FedEx First Overnight HOLD Saturday
at FedEx Location
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations

Does this shipment contain dangerous goods?

One box must be checked.

 No Yes
As per attached
Shipper's Declaration Yes
Shipper's Declaration
not required Dry Ice
Dry Ice, 3. UN 1456 _____ x _____ kg Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

 Sender
Acct. No. in Section
1 will be billed. Recipient Third Party Credit Card Cash/Check

FedEx Acct. No.

Credit Card No.

1811-4189-1

Exp.
DateTotal Packages Total Weight Total Declared Value
\$.00

*Our liability is limited to \$100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.



SRF+Rev. Date 11/03+Part #158279+©1994-2003 FedEx+PRINTED IN U.S.A.

fedEx® US Airbill
ExpressFedEx
Tracking
Number

8494 4407 3330

From

Please print and press hard.

Date 7/28/05

Sender's FedEx
Account Number

Sender's Name

CHUCK PEEL

Phone (601) 898-2792

Company

PEEL CONSULTING

Address

140 CHAPEL LANE

Dept./Floor/Suite/Room

City

MADISON

State MS

ZIP 39110

Your Internal Billing Reference

First 24 characters will appear on invoice.

MARTIN + SLAGLE

To Recipient's Name

SAMPLE CUSTODIAN

Phone ()

Company

PARADIGM ANALYTICAL LABS

Recipient's Address

5500 BUSINESS DR

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City

MINGTOM

State NC

ZIP 28405-8446

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com

or call 1.800.GoFedEx 1.800.463.3339.

0215

Sender's Copy

4a Express Package Service

 FedEx Priority Overnight
Next business morning* FedEx Standard Overnight
Next business afternoon*Packages up to 150 lbs.
To most locations FedEx 2Day
Second business day*
FedEx envelope rates not available. Minimum charge: One-pound rate FedEx Express Saver
Third business day* FedEx First Overnight
Earliest next business morning delivery to select locations*

4b Express Freight Service

 FedEx 1Day Freight*
Next business day** FedEx 2Day Freight
Second business day*Packages over 150 lbs.
To most locations

* Call for Confirmation:

5 Packaging

 FedEx Envelope* FedEx Pak*
Includes FedEx Small Pak,
FedEx Large Pak, and FedEx Sturdy Pak FedEx Box FedEx Tube
 Other

6 Special Handling

 SATURDAY Delivery
Available ONLY for
FedEx Priority Overnight, FedEx 2Day,
FedEx 1Day Freight, and FedEx 2Day HOLD Weekday
at FedEx Location
NOT Available for
FedEx First Overnight HOLD Saturday
at FedEx Location
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations

Does this shipment contain dangerous goods?

One box must be checked.

 No Yes
As per attached
Shipper's Declaration Yes
Shipper's Declaration
not required Dry Ice
Dry Ice, 3. UN 1456 _____ x _____ kg Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

 Sender
Acct. No. in Section
1 will be billed. Recipient Third Party Credit Card Cash/Check

FedEx Acct. No.

Credit Card No.

1811-4189-1

Exp.
DateTotal Packages Total Weight Total Declared Value
\$.00

*Our liability is limited to \$100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.



SRF+Rev. Date 11/03+Part #158279+©1994-2003 FedEx+PRINTED IN U.S.A.

Appendix C

Chain of Custody Sheets for samples sent to Paradigm Labs

BRADICM ANALYTICAL LABORATORIES, INC.

PARADIGM ANALYTICAL SERVICES
55550 Business Drive, Wilmington, NC 28405
(910) 250-1003 FAX: (910) 350-1557

Chain-of-Custody Record & Analytical Request

5500 Business Drive, Wilmington, NC 28403

Page 6 of 6

COC# A4b56

Page / of /

Environmental Chemistry Consulting Services, Inc.

August 8, 2005

Robert Martin
Martin & Slagle, LLC
P.O. Box 1023
Black Mountain, NC 28711

Dear Mr. Martin,

Enclosed is the Technical Memorandum for work completed at the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi during the month of July. If you have any questions concerning this information, please give me a call.

Sincerely,

Kari Ann Kilian
for
Richard Johnson

Enclosure

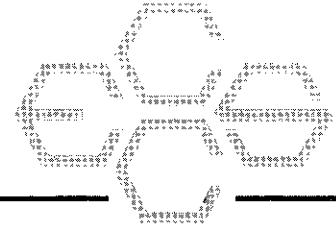
Environmental Chemistry Consulting Services, Inc.

2525 Advance Road • Madison, WI 53718 • Phone (608) 221-8700 • FAX (608) 221-4889

Technical Memorandum

Borg Warner / Kuhlman Electric

Crystal Springs, Mississippi



TECHNICAL MEMORANDUM

August 8, 2005

To: Robert Martin
Martin Slagle Inc.

From: Richard Johnson
ECCS, Inc.

Re: Field Analytical Methods – QC Summary
Borg Warner – Kuhlman Electric Facility
Crystal Springs, Mississippi

INTRODUCTION

This Technical Memorandum provides documentation of the field analytical test methods used to analyze soil and water samples collected from CSP Property area during July 2005 during an accelerated site investigation episode around the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi. Soil and water samples were analyzed for polychlorinated biphenyls (PCBs) and chlorinated benzenes by gas chromatography (GC) in accordance with ECCS's Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure. A summary of test results is provided in Table 1 for soils and Table 2 for waters. A summary of method blanks, laboratory control samples and matrix spike/matrix spike duplicate data is provided in Table 3 for the soils and Table 4 for the waters.

In addition copies of the chain of custody sheets and shipping sheets can be found in appendix A through C.

- A) Chain of custody sheets for mobile lab PCB analysis for Excavation samples
- B) FEDEX shipping label for Paradigm Labs
- C) Chain of custody sheets for samples sent to Paradigm Labs

The PCB mini-extraction procedure is based on the existing EPA SW846 methods 8082/8141. The procedure incorporates all the quality control rigors of the full 8082/8141 methods including quantification based on 6-point calibration with continuing calibration verification, surrogate method performance monitoring, method blanks, laboratory control samples (LCS), and matrix spike/matrix spike (MS/MSD) duplicate samples. As such, you should consider these test results as comparable to what you would get from a fixed-based laboratory using the more-widely accepted extraction procedure.

Environmental Chemistry Consulting Services, Inc.

The primary project objective of the sampling and testing episode was to delineate the PCB contamination at and around the site using the accelerated site characterization approach. The mobile laboratory was required to provide data as quickly as possible to keep the accelerated site investigation process on track while trying to maintain a goal of level three data quality.

CASE NARRATIVE

During the episode, all samples collected were analyzed. To maintain rapid turnaround and to meet the project objective, three GCs were operated on a nearly continuous basis.

Quality control including proper calibration, continuing calibration verification, surrogates, method blanks, laboratory control samples and matrix spike/matrix spike duplicate samples was performed at the method-specified intervals. Overall quality of the data is very good. The following quality related issues should be noted:

1. All surrogate recoveries were within acceptable ranges with the exception of one sample (C252). Method states that 1 of the 2 required surrogates must be within range.
2. All LCS recoveries were within acceptable ranges. See Table 3 and 4.
3. All MS/MSD recoveries were within acceptable ranges. Percent repeatability was also within acceptable ranges. See Table 3 and 4.
4. Since electron capture of detectors tend to have a very narrow linear range, many sample extracts required dilution. Dilutions were accurately done.

METHOD SUMMARY

This method employs a mini-extraction procedure and gas chromatography analysis for the detection of PCBs and chlorinated benzenes. Reporting limits are provided in the results Tables. Four grams of sample are dried with anhydrous sodium sulfate and extracted with eight mLs of 80/20 iso-octane/acetone. The extract is then analyzed by Gas Chromatography-Electron Capture Detector (GC-ECD).

Procedure

1. Standards Preparation - Primary standards are prepared from a solution purchased from various vendors at Certified concentrations. Stock standards are prepared in suitable solvents and stored in a freezer when not in use. Secondary standards are prepared in 80/20 iso-octane/acetone and stored in a freezer when not in use. Standard curve mixes for this project was prepared at six concentrations: PCBs – 0.05, 0.10, 0.20, 0.50, 1.0 and 2.0 ug/m; chlorinated benzenes – 0.005, 0.01, 0.02, 0.05, 0.10 and 0.20 ug/ml.
2. Sample Preparation - SOILS: Each sample or quality control sample is prepared in identical fashion. Approximately four grams of silica sand (blanks and control spikes) or sample is transferred into a clean scintillation vial. Ten grams of anhydrous sodium sulfate are added to the vial and mixed well. Extra sodium sulfate is added when necessary to assure the sample is dried. A surrogate, spike compound mix (if necessary) and eight mLs of 80/20 iso-octane/acetone are added to the vial. The vial is shaken for 30 seconds, allowed to settle for 2 minutes, shaken again for 30 seconds, and allowed to settle for 10 minutes. An aliquot of the extract is transferred to an autosampler vial for injection into the GC-ECD.
3. WATER Samples: 200 grams of water was weighed into a clean jar containing 50 grams of sodium chloride. The samples were spiked with a surrogate in addition the LCS/MS/MSD were spiked with PCB's and chlorinated benzenes. Added 10 ml of iso-octane to each and shake 3 times for 2 minutes each time. Samples were allowed to settle for approximately 5 minutes between each shake. Isooctane was decanted into a scintillation vial and then an aliquot was transferred to an autosampler vial. Then extracts were injected into a GC-ECD.
4. GC-ECD Analysis - A sample aliquot is injected into an HP5890 GC with an ECD equipped with an HP ChemStation for data processing. PCBs were identified by matching retention times of standards to the same retention time in the sample. Regression analysis was performed on each of the selected peak's height versus concentration of the standard using a LN/LN transformed linear regression. For PCBs nine peaks were selected for quantification. The ug/mL value for each peak was added together and divided by the number of peaks selected to obtain the total PCB ug/mL result. If interference occurred at any of the peaks, these peaks were not included in the total, and the divisor was reduced accordingly.
5. Quality Control - Quality control consisted of the following items:
 - Continuing calibration standards analyzed every ten samples or less and at the end of a run.
 - Blank and LCS samples analyzed every twenty sample or less with a minimum of one per day.
 - MS/MSD samples analyzed every twenty samples or less with a minimum of one per day.
 - Information is documented in logbook 45 and July run sheets.
6. Instrument Conditions - Two HP5890 gas chromatographs were equipped with RTX-35 capillary columns. Each system had a Leap Technologies A200S auto-sampler and an HP ChemStation for data handling.

Table 1

Soil Sample Results – July

Table 1
Kuhlman Electric
Crystal Springs, Mississippi
PCB Concentrations as Aroclor 1260 Detected

Field Laboratory								
Field Lab Sample ID	Sample ID	Sample Depth	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)	Surrogate TCMX(%)	Surrogate DCBP(%)
C217	CSP-DP-171-001	0-1'	15-Jul-05	10:08	15-Jul-05	1.2	90.3	86.4
C218	CSP-DP-171-002	1-2'	15-Jul-05	10:10	15-Jul-05	< 0.10	95.1	91.0
C219	CSP- Duplicate	-	15-Jul-05	-	15-Jul-05	1.2	90.2	91.7
C220	CSP-DP-172-001	0-1'	15-Jul-05	12:40	15-Jul-05	1.0	91.5	88.0
C221	CSP-DP-172-002	1-2'	15-Jul-05	12:43	15-Jul-05	< 0.10	93.2	90.4
C222	CSP-DP-173-001	0-1'	15-Jul-05	12:51	15-Jul-05	1.5	95.5	80.3
C223	CSP-DP-173-002	1-2'	15-Jul-05	12:54	15-Jul-05	< 0.10	93.4	85.4
C224	CSP-DP-174-001	0-1'	15-Jul-05	12:59	15-Jul-05	< 0.10	89.7	86.3
C225	CSP-DP-174-002	1-2'	15-Jul-05	13:02	15-Jul-05	< 0.10	91.9	89.9
C226	CSP-DP-175-001	0-1'	15-Jul-05	13:05	15-Jul-05	0.49	90.5	87.0
C227	CSP-DP-175-002	1-2'	15-Jul-05	13:08	15-Jul-05	< 0.10	93.2	89.0
C228	CSP-DP-176-001	0-1'	15-Jul-05	13:11	15-Jul-05	0.15	91.3	84.9
C229	CSP-DP-176-002	1-2'	15-Jul-05	13:13	15-Jul-05	< 0.10	94.3	87.7
C230	CSP-DP-177-001	0-1'	15-Jul-05	13:20	15-Jul-05	0.87	89.2	76.8
C231	CSP-DP-177-002	1-2'	15-Jul-05	13:24	15-Jul-05	0.45	90.0	80.0
C232	CSP-DP-178-001	0-1'	15-Jul-05	13:28	15-Jul-05	1.8	90.7	81.6
C233	CSP-DP-178-002	1-2'	15-Jul-05	13:32	15-Jul-05	< 0.10	92.8	84.5
C234	CSP-DP-179-001	0-1'	15-Jul-05	14:30	15-Jul-05	0.23	89.4	84.1
C235	CSP-DP-179-002	1-2'	15-Jul-05	14:33	15-Jul-05	< 0.10	91.1	85.6
C236	CSP-DP-180-001	0-1'	15-Jul-05	14:40	15-Jul-05	< 0.10	90.8	84.3
C237	CSP-DP-180-002	1-2'	15-Jul-05	14:43	15-Jul-05	< 0.10	87.9	85.6
C238	CSP-DP-181-001	0-1'	15-Jul-05	14:50	15-Jul-05	< 0.10	90.1	85.4
C239	CSP-DP-181-002	1-2'	15-Jul-05	14:53	15-Jul-05	< 0.10	90.8	85.1
C240	CSP-DP-182-001	0-1'	15-Jul-05	14:58	15-Jul-05	0.67	91.8	83.4
C241	CSP-DP-182-002	1-2'	15-Jul-05	15:02	15-Jul-05	< 0.10	90.9	82.3
C242	CSP-DP-183-001	0-1'	15-Jul-05	15:08	15-Jul-05	0.21	87.8	84.0
C243	CSP-DP-183-002	1-2'	15-Jul-05	15:11	16-Jul-05	< 0.10	89.2	82.2
C244	CSP-DP-184-001	0-1'	15-Jul-05	15:20	16-Jul-05	0.14	87.3	80.8
C245	CSP-DP-184-002	1-2'	15-Jul-05	15:23	16-Jul-05	< 0.10	90.1	81.8
C246	CSP-DP-185-001	0-1'	15-Jul-05	15:28	16-Jul-05	0.12	90.0	82.2
C247	CSP-DP-185-002	1-2'	15-Jul-05	15:30	16-Jul-05	< 0.10	91.5	82.9
C248	CSP-DP-186-001	0-1'	15-Jul-05	15:38	16-Jul-05	0.14	88.2	80.3
C249	CSP-DP-186-002	1-2'	15-Jul-05	15:41	16-Jul-05	< 0.10	91.5	78.1
C250	CSP-DP-187-001	0-1'	15-Jul-05	15:50	16-Jul-05	< 0.10	86.2	79.2
C251	CSP-DP-187-002	1-2'	15-Jul-05	15:53	16-Jul-05	< 0.10	88.1	77.1
C252	CSP-DP-188-001	0-1'	18-Jul-05	16:05	19-Jul-05	< 0.10	136	61.8
C253	CSP-DP-189-001	0-1'	18-Jul-05	16:15	19-Jul-05	< 0.10	138	103
C254	CSP-DP-190-001	0-1'	18-Jul-05	16:21	19-Jul-05	< 0.10	132	109
C255	CSP-DP-191-001	0-1'	18-Jul-05	16:28	19-Jul-05	0.38	136	102

NOTES:

: Acid Treated.

Surrogate recovery criteria 60-140% unless sample is acid treated.

Surrogate recovery criteria 75-175% if sample is acid treated.

Table 1
Kuhlman Electric
Crystal Springs, Mississippi
PCB Concentrations as Aroclor 1260 Detected

Field Laboratory									
Field Lab Sample ID	Sample ID	Sample Depth	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)	Surrogate TCMX(%)	Surrogate DCBP(%)	R: n: s: e
C256	CSP-DP-192-001	0-1'	18-Jul-05	16:36	19-Jul-05	< 0.10	119	111	A
C257	CSP- Duplicate	-	18-Jul-05	-	19-Jul-05	< 0.10	122	112	A
C258	CSP-DP-193-001	0-1'	18-Jul-05	16:44	19-Jul-05	< 0.10	120	100	A
C259	CSP-DP-194-001	0-1'	18-Jul-05	16:50	19-Jul-05	< 0.10	120	107	A
C260	CSP-DP-195-001	0-1'	18-Jul-05	16:59	19-Jul-05	< 0.10	135	106	A
C261	CSP-DP-196-001	0-1'	19-Jul-05	10:10	20-Jul-05	< 0.10	112	106	A
C262	CSP-DP-197-001	0-1'	19-Jul-05	10:18	20-Jul-05	< 0.10	122	96.1	A
C263	CSP-DP-198-001	0-1'	19-Jul-05	10:22	20-Jul-05	< 0.10	109	93.1	A
C264	CSP-DP-199-001	0-1'	19-Jul-05	10:28	20-Jul-05	< 0.10	110	101	A
C265	CSP-DP-200-001	0-1'	19-Jul-05	10:34	20-Jul-05	< 0.10	135	110	A
C266	CSP-DP-201-001	0-1'	19-Jul-05	10:39	20-Jul-05	< 0.10	120	93.3	A
C267	CSP-DP-202-001	0-1'	19-Jul-05	10:44	20-Jul-05	< 0.10	117	96.7	A
C268	CSP-DP-203-001	0-1'	19-Jul-05	10:49	20-Jul-05	< 0.10	118	94.8	A
C269	CSP- Duplicate	-	19-Jul-05	-	20-Jul-05	< 0.10	106	100	A
C270	CSP-DP-204-001	0-1'	19-Jul-05	13:32	20-Jul-05	< 0.10	133	87.8	A
C271	CSP-DP-205-001	0-1'	19-Jul-05	13:42	20-Jul-05	< 0.10	126	92.7	A

NOTES:

A = Acid Treated.

Surrogate recovery criteria 60-140% unless sample is acid treated.

Surrogate recovery criteria 75-175% if sample is acid treated.

Table 2

Water Sample Results – July

Table 2
Kuhlman Electric
Crystal Springs, Mississippi
PCB Concentrations as Aroclor 1260 Detected

					Field Laboratory			
Field Lab Sample ID	Sample ID	Sample Depth	Date Collected	Time Collected	Date Analyzed	Concentration (ug/L)	Surrogate TCMX(%)	Surrogate DCBP(%)
W1305	CSP-FB-008	-	15-Jul-05	10:05	15-Jul-05	< 0.25	109	97.4
W1310	CSP-FB-009	-	18-Jul-05	16:17	20-Jul-05	< 0.25	110	112

Table 3

Soil QC Samples - July

Table 3
QC Results

Lab # associated with qc samples: C217 through C236

Matrix	Matrix			
Matrix	Spike	Duplicate	Blank	LCS
Spike	C218	C218	835	835

Date Analyzed: 7/15/05 7/15/05 7/15/05 7/15/05

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	92.9		91.5		2%	< 0.10	91.6

Table 3
QC Results

Lab # associated with qc samples: C237 through C251

Matrix	Matrix	Spike	Duplicate	Blank	LCS
Spike	C251		C251		836

Date Analyzed: 7/16/05 7/16/05 7/16/05 7/16/05

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	85.3		86.0		-1%	< 0.10	82.9

Table 3
QC Results

Lab # associated with qc samples: C252 through C260

Matrix	Matrix			
Matrix	Spike	Duplicate	Blank	LCS
Spike				
C259	C259		837	837

Date Analyzed: 7/19/05 7/19/05 7/19/05 7/19/05

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	99.5		94.8		5%	< 0.10	106

Table 3
QC Results

Lab # associated with qc samples: C261 through C271

Matrix	Matrix				
Matrix	Spike	Duplicate	Blank	LCS	
Spike					
C265	C265		838	838	

Date Analyzed: 7/20/05 7/20/05 7/19/05 7/20/05

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	112		107		5%	< 0.10	99.2

Table 4
Water QC Samples - July

Table 4
QC Results

Lab # associated with qc samples: W1305

	Matrix	Spike	Duplicate	Blank	LCS
Matrix					
Spike					
W1305			W1305		

Date Analyzed: 7/15/05 7/15/05 7/15/05 7/15/05

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
PCB as 1260	98.6		101		-2%	< 0.25	98.7

Table 4
QC Results

Lab # associated with qc samples: W1310

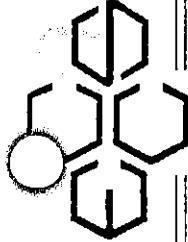
Matrix	Matrix		
Matrix	Spike		
Spike	Duplicate	Blank	LCS
W1309	W1309		

Date Analyzed: 7/20/05 7/20/05 7/20/05 7/20/05

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
PCB as 1260	116		111		4%	< 0.25	115

Appendix A

Chain of Custody Sheets for mobile lab PCB analysis Samples



**Environmental Chemistry
Consulting Services, Inc.**

2525 Advance Road
Madison, WI 53718

Phone 608-221-8700

FAX 608-221-4889

CHAIN OF CUSTODY

CSP Packet #
Turn Around (circle one) Normal Rush

Report Due:

Mail Report To:

Company: MARTIN & SWEET
Address:

Project Number: COLUMBIA ELECTRIC
Project Name: CRYSTAL SPRINGS

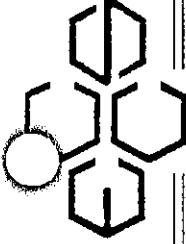
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Price

Sample Description	Collection			Presen*	Analysis Requested	Comments	P.O. No.: Quote No.:	Laboratory Number
	Date	Time	Matrix					
CSP-DP-176-002	7/14/01	1313	S	/	PCB's		1-2'	C229
177-001	1320			/			1-2'	C230
177-002	1324			/			1-2'	C231
178-001	1374			/			0-1'	C232
178-002	1332			/			1-2'	C233
179-001	1430			/			0-1'	C234
179-002	1433			/			1-2'	C235
180-001	1440			/			0-1'	C236
181-002	1443			/			1-2'	C237
181-001	1450			/			0-1'	C238
182-002	1453			/			1-2'	C239
182-001	1455			/			0-1'	C240
Relinquished By:		Received By:			Date/Time:			
<i>Clark S. Martin</i>		<i>John D. Smith</i>			7/15/01 1530			
Relinquished By:		Received By:			Date/Time:			
Custody Seal: Present/Absent		Seal #:			Receipt Temp:			
G=NaOH O=Other(Indicate)		Intact/Not Intact			Temp Blank Y N			
Shipped Via:								

*Preservation Code:
1414/0000 BPA

Date/Time:
7/15/01

WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER



**Environmental Chemistry
Consulting Services, Inc.**

2525 Advance Road

Madison, WI 53718

FAX 608-221-4889

Phone 608-221-8700

CHAIN OF CUSTODY

CSP Pre-lab ST

No. 013214

Page 2 of 3

Turn Around (circle one) Normal Rush

Report Due:

Project Number:

Common Electrical

Mail Report To:

MARTIN & SCALLOP

Invoice To:

Company: MARTIN & SCALLOP

Company:

Address:

Address:

Project Name:

Crystall Splint

Project Location:

Chuck Pasek

Sampled By (Print):

Sample Description:

182-002

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

1-2'

P.O. No.:

C241

Quote No.:

C241

Comments:

Laboratory Number:

C241

Sample Description:

183-001

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

0-1'

P.O. No.:

C242

Quote No.:

C242

Comments:

Laboratory Number:

C242

Sample Description:

184-001

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

1-2'

P.O. No.:

C243

Quote No.:

C243

Comments:

Laboratory Number:

C243

Sample Description:

185-002

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

1-2'

P.O. No.:

C244

Quote No.:

C244

Comments:

Laboratory Number:

C244

Sample Description:

186-001

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

0-1'

P.O. No.:

C245

Quote No.:

C245

Comments:

Laboratory Number:

C245

Sample Description:

187-001

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

0-1'

P.O. No.:

C246

Quote No.:

C246

Comments:

Laboratory Number:

C246

Sample Description:

188-002

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

0-1'

P.O. No.:

C247

Quote No.:

C247

Comments:

Laboratory Number:

C247

Sample Description:

189-001

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

0-1'

P.O. No.:

C248

Quote No.:

C248

Comments:

Laboratory Number:

C248

Sample Description:

190-002

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

0-1'

P.O. No.:

C249

Quote No.:

C249

Comments:

Laboratory Number:

C249

Sample Description:

191-001

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

0-1'

P.O. No.:

C250

Quote No.:

C250

Comments:

Laboratory Number:

C250

Sample Description:

192-002

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

0-1'

P.O. No.:

C251

Quote No.:

C251

Comments:

Laboratory Number:

C251

Sample Description:

193-001

Collection Date:

7/15/05

Time:

1500

Matrix:

S

Bottles:

1

Preserv:

PCB's

Analysis Requested:

0-1'

P.O. No.:

C252

Quote No.:

C252

Comments:

Laboratory Number:

C252

Sample Description:

194-001

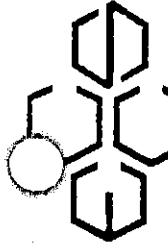
Collection Date:

7/15/05

Time:

1500

Matrix:



**Environmental Chemistry
Consulting Services, Inc.**

2525 Advance Road
Madison, WI 53718

Phone 608-221-8700

FAX 608-221-4889

CHAIN OF CUSTODY

No. 013211

Page / of]

Turn Around (circle one)

Normal

Rush

Report Due:

Invoice To:

Company:

Kuerner Electric

Mail Report To:

Address:

MARTIN & SCAHOW

Company:

Project Name:

CRYSTAL SPRINGS

Address:

Project Location:

CHURCH & DWYER

Sampled By (Print):

P.O. No.:

Quote No.:

Laboratory Number:

Comments:

Analysis Requested

Total Bottles Present*

Matrix

Collection Date

Time

Sample Description

Received by:

Date/Time:

7/15/05 10:30

Received By:

7/15/05 10:30

Received By:

Date/Time:

</div

Appendix B

FEDEX shipping label for Paradigm Labs



8494 4407 3329

FedEx
Tracking
Number

0215

Sender's Com

From Please print and press hard.
Date 7/20/05 **Sender's FedEx Account Number**

Sender Name: Chuck Peel **Phone (601) FFP-2792**

Company PEEL CONSULTING

Address 140 CHAPEL LANE **Dept./Floor/Suite/Room**

City MADISON **State** MS **ZIP** 39110

Your Internal Billing Reference
First 24 characters will appear on invoice.
MARTIN + SLACKE **OPTIONAL**

To
Recipient's Name SAMPLE CUSTODIAN **Phone ()**

Company PARADIGM ANALYTICAL LABS

Recipient's Address 5500 BUSINESS DR **Dept./Floor/Suite/Room**

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
To request a package be held at a specific FedEx location, print FedEx address here.
City WILMINGTON **State** NC **ZIP** 28405~8446

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com
or call 1.800.GoFedEx 1.800.463.3339.

0295350499

4a Express Package Service

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> FedEx Priority Overnight
Next business morning* | <input type="checkbox"/> FedEx Standard Overnight
Next business afternoon* | Packages up to 150 lbs. |
| <input type="checkbox"/> FedEx 2Day
Second business day* | | * To most locations |
| <input type="checkbox"/> FedEx Express Saver
Third business day* | | <input type="checkbox"/> FedEx First Overnight
Earliest next business morning delivery to select locations* |
| <small>FedEx Envelope rate not available. Minimum charge: One-pound rate</small> | | |

4b Express Freight Service

- | | | |
|--|---|-------------------------------|
| <input type="checkbox"/> FedEx 1Day Freight* | <input type="checkbox"/> FedEx 2Day Freight
Second business day* | Packages over 150 lbs. |
| <small>Next business day**</small> | | * To most locations |
| <small>* Call for Confirmation:</small> | | |

5 Packaging

- | | | | | |
|---|---|------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> FedEx Envelope* | <input type="checkbox"/> FedEx Pak*
Includes FedEx Small Pak,
FedEx Large Pak, and FedEx Shrink Pak | <input type="checkbox"/> FedEx Box | <input type="checkbox"/> FedEx Tube | <input checked="" type="checkbox"/> Other |
| <small>* Declared value limit \$500</small> | | | | |

6 Special Handling

- | | | |
|--|--|---|
| <input type="checkbox"/> SATURDAY Delivery
Available ONLY for
FedEx Priority Overnight, FedEx 2Day,
FedEx 1Day Freight, and FedEx 2Day
Freight to select ZIP codes | <input type="checkbox"/> HOLD Weekday
at FedEx Location
NOT Available for
FedEx First Overnight | <input type="checkbox"/> HOLD Saturday
at FedEx Location
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations |
| <small>Does this shipment contain dangerous goods?
One box must be checked.</small> | | |
| <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes
As per attached
Shipper's Declaration | <input type="checkbox"/> Yes
Shipper's Declaration
not required |
| <small>Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.</small> | | |
| <small>Dry Ice
Dry Ice, 9, UN 1845 x _____ kg</small> | | |
| <small>Cargo Aircraft Only</small> | | |

7 Payment

- | | | | | |
|--|---|--------------------------------------|--------------------------------------|-------------------------------------|
| Bill to: | Enter FedEx Acct. No. or Credit Card No. below. | | | |
| <input type="checkbox"/> Sender
Acct. No. in Section
Two will be billed. | <input checked="" type="checkbox"/> Recipient | <input type="checkbox"/> Third Party | <input type="checkbox"/> Credit Card | <input type="checkbox"/> Cash/Check |

FedEx Acct. No. 1811-4189-1

Exp. Date

Total Packages	Total Weight	Total Declared Value*
\$.00	

*Our liability is limited to \$100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

SPR • Rev. Date 11/03 • Part #158279 • ©1994-2003 FedEx • PRINTED IN U.S.A.

466

Appendix C

Chain of Custody Sheets for samples sent to Paradigm Labs

PARADIGM ANALYTICAL LABORATORIES, INC.

55500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of-Custody Record & Analytical Request

CC# 46365
Page _____ of _____

Client: MARTIN + SCHALES Project ID: KUHLMAN ELECTRIC Date: 7/20/05
Address: BLAFCO MOUNTAIN INC. Contact: ROBERT MARTIN Turnaround: STD
Address: BLAFCO MOUNTAIN INC. Phone: 510-459-1000 Job Number:

Report To: Shane

Contact: **ROBERT MARTIN** Turnaround: STD

Phone: _____ Job Number: _____ PO Number: _____ Fax: _____ Street: _____

Divorce 10:
Date:

Comments: Please specify any special reporting requirements.

Requirements

MATERIALS AND METHODS

卷之三

卷之三

31310

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State Certification Requested

卷之三

SC Other _____

SEE REVERSE FOR
TERMS AND CONDITIONS

Environmental Chemistry Consulting Services, Inc.

August 8, 2005

Robert Martin
Martin & Slagle, LLC
P.O. Box 1023
Black Mountain, NC 28711

Dear Mr. Martin,

Enclosed is the Technical Memorandum for work completed at the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi during the month of July. If you have any questions concerning this information, please give me a call.

Sincerely,

Kari Ann Killian
for Richard Johnson

Enclosure

Environmental Chemistry Consulting Services, Inc.

2525 Advance Road • Madison, WI 53718 • Phone (608) 221-8700 • FAX (608) 221-4889

Technical Memorandum

Borg Warner / Kuhlman Electric

Crystal Springs, Mississippi

Table 1
Kuhlman Electric
Crystal Springs, Mississippi
PCB Concentrations as Aroclor 1260 Detected

Field Laboratory									
Field Lab Sample ID	Sample ID	Sample Depth	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)	Surrogate TCMX(%)	Surrogate DCBP(%)	Rinse
II001	ESP-DP-001-001	0-1'	20-Jul-05	12:32	20-Jul-05	0.53	99.2	97.7	
II002	ESP-DP-001-002	1-2'	20-Jul-05	12:37	20-Jul-05	< 0.10	103	110	
II003	ESP-DP-002-001	0-1'	20-Jul-05	12:45	20-Jul-05	1.6	101	102	
II004	ESP-DP-002-002	1-2'	20-Jul-05	12:47	20-Jul-05	< 0.10	104	114	
II005	ESP-DP-003-001	0-1'	20-Jul-05	12:50	20-Jul-05	3.6	102	101	
II006	ESP-DP-003-002	1-2'	20-Jul-05	12:52	20-Jul-05	0.15	103	112	
II007	ESP-DP-004-001	0-1'	20-Jul-05	13:00	20-Jul-05	1.7	101	107	
II008	ESP-DP-004-002	1-2'	20-Jul-05	13:03	20-Jul-05	0.36	101	110	
II009	ESP-Duplicate	-	20-Jul-05	-	20-Jul-05	0.52	100	106	
II010	ESP-DP-005-001	0-1'	20-Jul-05	13:10	20-Jul-05	0.95	100	105	
II011	ESP-DP-005-002	1-2'	20-Jul-05	13:13	20-Jul-05	< 0.10	99.7	109	
II012	ESP-DP-006-001	0-1'	20-Jul-05	13:19	20-Jul-05	0.33	101	111	
II013	ESP-DP-006-002	1-2'	20-Jul-05	13:22	20-Jul-05	0.39	103	113	
II014	ESP-DP-007-001	0-1'	20-Jul-05	13:29	20-Jul-05	0.28	102	112	
II015	ESP-DP-007-002	1-2'	20-Jul-05	13:31	20-Jul-05	< 0.10	100	109	
II016	ESP-DP-008-001	0-1'	20-Jul-05	15:00	20-Jul-05	< 0.10	104	117	
II017	ESP-DP-008-002	1-2'	20-Jul-05	15:03	20-Jul-05	< 0.10	101	108	
II018	ESP-DP-009-001	0-1'	20-Jul-05	15:10	20-Jul-05	< 0.10	100	102	
II019	ESP-DP-009-002	1-2'	20-Jul-05	15:14	20-Jul-05	< 0.10	98.8	107	
II020	ESP-DP-010-001	0-1'	21-Jul-05	15:00	21-Jul-05	< 0.10	98.5	93.9	
II021	ESP-DP-010-002	1-2'	21-Jul-05	15:03	21-Jul-05	< 0.10	99.2	98.7	
II022	ESP-DP-011-001	0-1'	21-Jul-05	15:09	21-Jul-05	< 0.10	98.2	104	
II023	ESP-DP-011-002	1-2'	21-Jul-05	15:13	21-Jul-05	< 0.10	98.9	96.3	
II024	ESP-Duplicate	-	21-Jul-05	-	21-Jul-05	< 0.10	100	95.4	
II025	ESP-DP-012-001	0-1'	21-Jul-05	15:18	21-Jul-05	< 0.10	98.1	92.7	
II026	ESP-DP-012-002	1-2'	21-Jul-05	15:20	21-Jul-05	< 0.10	96.1	96.3	
II027	ESP-DP-013-001	0-1'	21-Jul-05	15:25	21-Jul-05	0.31	99.2	94.1	
II028	ESP-DP-013-002	1-2'	21-Jul-05	15:28	21-Jul-05	< 0.10	96.5	97.8	
II029	ESP-DP-014-001	0-1'	21-Jul-05	15:34	21-Jul-05	0.50	98.1	93.6	
II030	ESP-DP-014-002	1-2'	21-Jul-05	15:37	21-Jul-05	< 0.10	97.8	97.4	
II031	ESP-DP-015-001	0-1'	21-Jul-05	15:40	21-Jul-05	0.12	100	97.1	
II032	ESP-DP-015-002	1-2'	21-Jul-05	15:43	21-Jul-05	< 0.10	99.2	99.2	

NOTES:

A = Acid Treated.

Surrogate recovery criteria 60-140% unless sample is acid treated.

Surrogate recovery criteria 75-175% if sample is acid treated.

Table 2

Water Sample Results – July

Table 2
Kuhlman Electric
Crystal Springs, Mississippi
PCB Concentrations as Aroclor 1260 Detected

					Field Laboratory			
Field Lab Sample ID	Sample ID	Sample Depth	Date Collected	Time Collected	Date Analyzed	Concentration (ug/L)	Surrogate TCMX(%)	Surrogate DCBP(%)
W1311	ESP-FB-001	-	20-Jul-05	12:30	20-Jul-05	< 0.25	113	115

Table 3

Soil QC Samples - July

Table 3
QC Results

Lab # associated with qc samples: II001 through II019

Matrix	Matrix			
Matrix	Spike			
Spike	Duplicate		Blank	LCS
D065	D065		839	839

Date Analyzed: 7/20/05 7/20/05 7/20/05 7/20/05

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	104		106		-2%	< 0.10	105

Table 3
QC Results

Lab # associated with qc samples: II020 through II032

Matrix	Matrix	Spike	Duplicate	Blank	LCS
II023		II023		840	840

Date Analyzed: 7/21/05 7/21/05 7/21/05 7/21/05 7/21/05

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	103		99.4		4%	< 0.10	98.8

Table 4

Water QC Samples - July

Table 4
QC Results

Lab # associated with qc samples: W1311

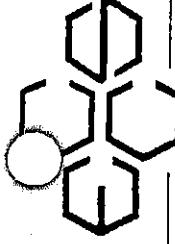
	Matrix	Spike	Duplicate	Blank	LCS
Matrix					
Spike					
W1309			W1309		

Date Analyzed: 7/20/05 7/20/05 7/20/05 7/20/05

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
PCB as 1260	116		111		4%	< 0.25	115

Appendix A

Chain of Custody Sheets for mobile lab PCB analysis Samples



**Environmental Chemistry
Consulting Services, Inc.**

Madison, WI 53718

2625 Advance Road

Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

Project Number:		Mail Report To:		Turn Around (circle one)		Normal	Rush
Project Name:	Project Location:	Company:	Address:	Report Due:	Invoice To:	Company:	Address:
Sampled By (Print):		P.O. No.:		Quote No.:		Laboratory Number:	
Collection		Total	Matrix	Preserv*	Analysis Requested	Dgth	Comments
Sample Description	Date	Time	Bottles				
ESP-D1-015-002	7/16/05	1543	S	1	NA	AB	1-2
<i>Chuck Peal</i>							
*Preservation Code		Relinquished By:		Received By:		Date/Time:	
A=None	B=HCL	C=H ₂ SO ₄	D=HNO ₃	E=EnCore	F=Methanol	G=NaOH	H=Other (Indicate)
Custody Seal: Present/Absent		Intact/Not Intact		Seal #'s		Receipt Temp:	
Shipped Via:						Temp Blank Y N	
WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER							

No. 013229

Page 2 of 2

Date/Time: 7/21/05
1700

Date/Time:

Received By:
Chuck Peal

Date/Time:
7/21/05 1700

Relinquished By:

Date/Time:

Turn Around (circle one)

Normal

Rush

P.O. No.:

Quote No.:

Analysis Requested

Dgth

Comments

Laboratory Number:

11032

Appendix B

FEDEX shipping label for Paradigm Labs

FedEx® US Airbill
Express

FedEx
Tracking
Number

8494 4407 3329

0215

Sender's Copy

From Please print and press hard.

Date 7/20/05

Sender's FedEx
Account Number

Sender
Name Chuck Peel

Phone (601) 888-2792

Company PEEL CONSULTING

Address 140 CHAPEL LANE

Dept/Floor/Suite/Room

City MADISON

State MS ZIP 39110

Your Internal Billing Reference

First 24 characters will appear on invoice.

MARTIN + SLAGLE OPTIONAL

To Recipient's Name

SAMPLE CUSTODIAN

Phone ()

Company PARADIGM ANALYTICAL LABS

Recipient's Address 5500 BUSINESS DR

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept/Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City WILMINGTON

State NC ZIP 28405-8446

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

0295350499

466

†Our liability is limited to \$100 unless you declare a higher value. See back for details.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

SRF Rev. Date 11/03 Part #150279 ©1994-2002 FedEx PRINTED IN U.S.A.

FedEx® US Airbill
Express

FedEx
Tracking
Number

8494 4407 3330

0215

Sender's Copy

From Please print and press hard.

Date 7/28/05

Sender's FedEx
Account Number

Sender's Name CHUCK PEEL

Phone (601) 888-2792

Company PEEL CONSULTING

Address 140 CHAPEL LANE

Dept/Floor/Suite/Room

City MADISON

State MS ZIP 39110

Your Internal Billing Reference

First 24 characters will appear on invoice.

MARTIN + SLAGLE

To Recipient's Name

SAMPLE CUSTODIAN

Phone ()

Company PARADIGM ANALYTICAL LABS

Recipient's Address 5500 BUSINESS DR

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept/Floor/Suite/Room

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Questions? Visit our Web site at fedex.com

or call 1.800.GoFedEx 1.800.463.3339.

0295350499

466

4a Express Package Service

FedEx Priority Overnight
Next business morning*

FedEx Standard Overnight
Next business afternoon*

Packages up to 150 lbs.
* To most locations

FedEx 2Day
Second business day*
FedEx envelope rate not available. Minimum charge: One-pound rate

FedEx Express Saver
Third business day*

FedEx First Overnight
Earliest next business morning delivery to select locations*

4b Express Freight Service

FedEx 1Day Freight*
Next business day**

FedEx 2Day Freight
Second business day**

Packages over 150 lbs.
* To most locations

* Call for Confirmation:

5 Packaging

FedEx Envelope*

FedEx Pak*
Includes FedEx Small Pak,
FedEx Large Pak, and FedEx Sturdy Pak

FedEx Box

FedEx Tube
 Other

6 Special Handling

SATURDAY Delivery

Include FedEx address in Section 3.

Available ONLY for
FedEx Priority Overnight, FedEx 2Day,
FedEx 1Day Freight, and FedEx 2Day
Freight to select ZIP codes

HOLD Weekday
at FedEx Location
NOT Available for
FedEx First Overnight

HOLD Saturday
at FedEx Location
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations

Does this shipment contain dangerous goods?

No

Yes
As per attached
Shipper's Declaration
not required

Dry Ice
Dry Ice, 8, UN 1945 x kg

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

Sender

Recipient

Third Party

Credit Card

Cash/Check

FedEx Acct. No. 1811-4189-1

Exp. Date

Total Packages

Total Weight

Total Declared Value†

\$.00

FedEx Use Only

†Our liability is limited to \$100 unless you declare a higher value. See back for details.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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466

4a Express Package Service

FedEx Priority Overnight
Next business morning*

FedEx Standard Overnight
Next business afternoon*

Packages up to 150 lbs.
* To most locations

FedEx 2Day
Second business day*
FedEx envelope rates not available. Minimum charge: One-pound rate

FedEx Express Saver
Third business day*

FedEx First Overnight
Earliest next business morning delivery to select locations*

4b Express Freight Service

FedEx 1Day Freight*
Next business day**

FedEx 2Day Freight
Second business day**

Packages over 150 lbs.
* To most locations

* Call for Confirmation:

5 Packaging

FedEx Envelope*

FedEx Pak*
Includes FedEx Small Pak,
FedEx Large Pak, and FedEx Sturdy Pak

FedEx Box

FedEx Tube
 Other

6 Special Handling

SATURDAY Delivery

Include FedEx address in Section 3.

Available ONLY for
FedEx Priority Overnight, FedEx 2Day,
FedEx 1Day Freight, and FedEx 2Day
Freight to select ZIP codes

HOLD Weekday
at FedEx Location
NOT Available for
FedEx First Overnight

HOLD Saturday
at FedEx Location
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations

Does this shipment contain dangerous goods?

No

Yes
As per attached
Shipper's Declaration
not required

Dry Ice
Dry Ice, 8, UN 1945 x kg

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

Sender

Recipient

Third Party

Credit Card

Cash/Check

FedEx Acct. No. 1811-4189-1

Exp. Date

Total Packages

Total Weight

Total Declared Value†

\$.00

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466

Appendix C

Chain of Custody Sheets for samples sent to Paradigm Labs

