KUHLMAN ELECTRIC CORPORATION
PLANT SITE REMEDIATION REPORT

APPENDIX 1
On-Site Laboratory
Analytical Data Sheets
With Chains of Custody

Volume V

FILE COPY

Kuhlman Electric Corporation
Crystal Springs, Mississippi

Prepared for

BorgWarner Inc.

June 2004

GeoEnvironmental Associates, LLC | MARTIN & SLAGLE

FILE COPY

February 10, 2003

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 January. If you have any questions concerning this information, please give me a call.

Sincerely,

Kari-Ann Killian

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

February 10, 2003

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 samples collected from rolloff boxes during January 2003 an accelerated site investigation episode around the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi. Soil 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. A summary of duplicate analyses is provided in Table 2. A summary of method blanks, laboratory control samples and matrix spike/matrix spike duplicate data is provided in Table 3.

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

A) Chain of custody sheets for samples
B) Copy of analytical report submitted to BFI via fax

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.

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 ranger.

2. All LCS recoveries were within acceptable ranges. See Table 3.

3. All MS/MSD recoveries were within acceptable ranges. Percent repeatability was also within acceptable ranges. See Table 3.

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. 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 January run sheets.

4. 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

Sample Results – January

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
RW808-002	R553	20	06-JA-03	1620	06-JA-03	06-JA-03		
RW457-005	R554	26	06-JA-03	1623	06-JA-03	06-JA-03		
RW2131-001	R555	8.7	06-JA-03	1626	06-JA-03	06-JA-03		
SP-RB20332-016	R556	5.5	06-JA-03	1630	06-JA-03	06-JA-03		
RS-RB20006-019	R557	6.3	07-JA-03	1344	07-JA-03	07-JA-03		
SP-RB20332-017	R558	6.9	07-JA-03	1346	07-JA-03	07-JA-03		
RW843-002	R559	7.6	07-JA-03	1347	07-JA-03	07-JA-03		
RS-RB20011-004	R560	18	07-JA-03	1348	07-JA-03	07-JA-03		
SP-RB26656-010	R561	12	07-JA-03	1349	07-JA-03	07-JA-03		
RS-RB20001-024	R562	8.9	07-JA-03	1350	07-JA-03	07-JA-03		
RW906-001	R563	15	07-JA-03	1516	07-JA-03	07-JA-03		
RW822-003	R564	14	07-JA-03	1526	07-JA-03	07-JA-03		
RW418-002	R565	13	07-JA-03	1527	07-JA-03	07-JA-03		
RS-RB20016-005	R566	11	07-JA-03	1528	07-JA-03	07-JA-03		
RS-RB20020-005	R567	12	07-JA-03	1630	07-JA-03	07-JA-03		
RW2131-002	R568	8.5	07-JA-03	1633	07-JA-03	07-JA-03		
RS-RB20009-024	R569	14	07-JA-03	1636	07-JA-03	07-JA-03		
RW956-001	R570	14	08-JA-03	1044	08-JA-03	08-JA-03		
RW2526-002	R571	22	08-JA-03	1045	08-JA-03	08-JA-03		
RW457-006	R572	10	08-JA-03	1046	08-JA-03	08-JA-03		
RS-RB20017-006	R573	8.9	08-JA-03	1047	08-JA-03	08-JA-03		
RW808-003	R574	10	08-JA-03	1052	08-JA-03	08-JA-03		
RWO-2509-002	R575	14	08-JA-03	1104	08-JA-03	08-JA-03		
RW818-003	R576	19	08-JA-03	1236	08-JA-03	08-JA-03		
RS-RB25925-015	R577	12	08-JA-03	1238	08-JA-03	08-JA-03		
SP-RB20279-011	R578	9.8	08-JA-03	1245	08-JA-03	08-JA-03		
RS-RB20012-004	R579	8.3	08-JA-03	1308	08-JA-03	08-JA-03		
RS-RB20003-025	R580	18	08-JA-03	1335	08-JA-03	08-JA-03		
RW407-007	R581	13	08-JA-03	1337	08-JA-03	08-JA-03		
RS-RB20001-025	R582	8.4	08-JA-03	1425	08-JA-03	08-JA-03		
RS-RB20007-025	R583	12	08-JA-03	1427	08-JA-03	08-JA-03		
RS-RB20020-006	R584	13	08-JA-03	1430	08-JA-03	08-JA-03		
RS-RB20013-006	R585	17	08-JA-03	1445	08-JA-03	08-JA-03		
RS-RB20014-006	R586	10	08-JA-03	1518	08-JA-03	08-JA-03		
RS-RB20005-024	R587	13	08-JA-03	1520	08-JA-03	08-JA-03		
RS-RB20018-005	R588	16	08-JA-03	1526	08-JA-03	08-JA-03		
RW2116-001	R589	4.2	08-JA-03	1605	08-JA-03	08-JA-03		
SP-RB25017-019	R590	2.9	08-JA-03	1550	08-JA-03	08-JA-03		
RS-RB20004-026	R591	17	08-JA-03	1628	08-JA-03	08-JA-03		
SP-RB20248-013	R592	4.5	08-JA-03	1646	08-JA-03	08-JA-03		
RW723-005	R593	1.5	08-JA-03	1655	08-JA-03	08-JA-03		
RW471-001	R594	8.9	08-JA-03	1710	08-JA-03	08-JA-03		
RW2131-003	R595	17	09-JA-03	1007	09-JA-03	09-JA-03		
RW958-006	R596	6.4	09-JA-03	1010	09-JA-03	09-JA-03		
RW470-006	R597	19	09-JA-03	1011	09-JA-03	09-JA-03		
RS-RB20011-005	R598	6.0	09-JA-03	1013	09-JA-03	09-JA-03		
RS-RB20019-004	R599	3.8	09-JA-03	1015	09-JA-03	09-JA-03		

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
RW2100-003	R600	< 0.10	09-JA-03	1017	09-JA-03	09-JA-03		
RS-RB25930-014	R601	0.35	09-JA-03	1020	09-JA-03	09-JA-03		
RW843-003	R602	0.73	09-JA-03	1132	09-JA-03	09-JA-03		
RS-RB20002-022	R603	0.97	09-JA-03	1135	09-JA-03	09-JA-03		
RS-RB20010-019	R604	6.3	09-JA-03	1210	09-JA-03	09-JA-03		
RW407-008	R605	0.92	11-JA-03	1013	11-JA-03	11-JA-03		
RS-RB20016-006	R606	0.98	11-JA-03	1015	11-JA-03	11-JA-03		
RS-RB20009-025	R607	1.5	11-JA-03	1017	11-JA-03	11-JA-03		
SP-RB20332-018	R608	2.3	11-JA-03	1018	11-JA-03	11-JA-03		
RWO-2509-003	R609	2.6	11-JA-03	1020	11-JA-03	11-JA-03		
RS-RB20003-026	R610	1.9	11-JA-03	1301	11-JA-03	11-JA-03		
RW418-003	R611	8.9	11-JA-03	1302	11-JA-03	11-JA-03		
RS-RB20017-007	R612	1.1	11-JA-03	1306	11-JA-03	11-JA-03		
RW808-004	R613	1.4	11-JA-03	1307	11-JA-03	11-JA-03		
RS-RB20002-023	R614	8.8	11-JA-03	1309	11-JA-03	11-JA-03		
SP-RB26656-011	R615	3.0	11-JA-03	1318	11-JA-03	11-JA-03		
RS-RB20006-020	R616	0.93	11-JA-03	1419	11-JA-03	11-JA-03		
RW906-002	R617	2.0	11-JA-03	1423	11-JA-03	11-JA-03		
RS-RB20017-008	R618	0.66	13-JA-03	1420	13-JA-03	13-JA-03		
RS-RB20002-024	R619	1.3	13-JA-03	1424	13-JA-03	13-JA-03		
RS-RB20003-027	R620	0.75	13-JA-03	1426	13-JA-03	13-JA-03		
RW808-005	R621	0.40	13-JA-03	1431	13-JA-03	13-JA-03		
RS-RB20012-005	R622	0.38	13-JA-03	1647	13-JA-03	13-JA-03		
RS-RB20010-020	R623	0.36	13-JA-03	1649	13-JA-03	13-JA-03		
RW457-007	R624	0.51	13-JA-03	1652	13-JA-03	13-JA-03		
RS-RB20008-008	R625	0.30	13-JA-03	1654	13-JA-03	13-JA-03		
RW822-004	R626	0.98	13-JA-03	1707	13-JA-03	13-JA-03		
RW418-004	R627	0.39	15-JA-03	1045	15-JA-03	15-JA-03		
RS-RB20007-026	R628	0.32	15-JA-03	1048	15-JA-03	15-JA-03		
RS-RB20020-007	R629	0.68	15-JA-03	1050	15-JA-03	15-JA-03		
RW2116-002	R630	0.87	15-JA-03	1054	15-JA-03	15-JA-03		
RS-RB20004-027	R631	0.29	15-JA-03	1059	15-JA-03	15-JA-03		
SP-RB20248-014	R632	0.71	15-JA-03	1242	15-JA-03	15-JA-03		
SP-RB25017-020	R633	0.36	15-JA-03	1244	15-JA-03	15-JA-03		
RW457-008	R634	0.11	15-JA-03	1245	15-JA-03	15-JA-03		
RS-RB20013-007	R635	0.14	15-JA-03	1254	15-JA-03	15-JA-03		
RS-RB20003-028	R636	1.4	15-JA-03	1409	15-JA-03	15-JA-03		
RS-RB20010-021	R637	5.6	15-JA-03	1411	15-JA-03	15-JA-03		
RS-RB20005-025	R638	1.6	15-JA-03	1414	15-JA-03	15-JA-03		
RS-RB20018-006	R639	4.5	15-JA-03	1435	15-JA-03	15-JA-03		
RW818-004	R640	2.2	15-JA-03	1456	15-JA-03	15-JA-03		
RW470-007	R641	2.7	15-JA-03	1506	15-JA-03	15-JA-03		
RS-RB20014-007	R653	45	18-JA-03	1040	18-JA-03	18-JA-03		
RW956-002	R654	16	18-JA-03	1043	18-JA-03	18-JA-03		
RS-RB20008-009	R655	18	18-JA-03	1045	18-JA-03	18-JA-03		
RW2131-004	R656	35	18-JA-03	1054	18-JA-03	18-JA-03		
RW958-007	R657	29	18-JA-03	1200	18-JA-03	18-JA-03		

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
RW822-005	R658	26	18-JA-03	1249	18-JA-03	18-JA-03		
RS-RB20017-009	R659	42	18-JA-03	1251	18-JA-03	18-JA-03		
RW470-008	R660	20	18-JA-03	1255	18-JA-03	18-JA-03		
RS-RB20005-026	R661	33	18-JA-03	1328	18-JA-03	18-JA-03		
SP-RB25017-021	R662	32	18-JA-03	1337	18-JA-03	18-JA-03		
RS-RB20013-008	R663	14	18-JA-03	1354	18-JA-03	18-JA-03		
RS-RB20018-007	R664	11	18-JA-03	1405	18-JA-03	18-JA-03		
RW457-009	R665	49	18-JA-03	1427	18-JA-03	18-JA-03	939825	00316
RS-RB20007-027	R666	10	18-JA-03	1519	18-JA-03	18-JA-03		
RS-RB20003-029	R667	8.0	18-JA-03	1522	18-JA-03	18-JA-03		
SP-RB20279-012	R668	15	18-JA-03	1524	18-JA-03	19-JA-03		
SP-RB20191-010	R669	25	20-JA-03	1602	20-JA-03	20-JA-03		
RS-RB20009-026	R670	8.9	20-JA-03	1605	20-JA-03	20-JA-03		
RW468-002	R671	23	20-JA-03	1609	20-JA-03	20-JA-03		
SP-RB20077-009	R672	< 0.10	24-JA-03	1035	24-JA-03	24-JA-03		
SP-RB20279-013	R673	< 0.10	24-JA-03	1041	24-JA-03	24-JA-03		
SP-RB25017-022	R674	< 0.10	24-JA-03	1534	24-JA-03	24-JA-03		
RS-RB20016-007	R675	< 0.10	24-JA-03	1536	24-JA-03	24-JA-03		
RS-RB20006-021	R676	< 0.10	24-JA-03	1541	24-JA-03	24-JA-03		
RS-RB20001-027	R677	< 0.10	28-JA-03	1318	28-JA-03	28-JA-03		

Table 2

Duplicate Samples Results - January

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
Rolloff Duplicate	R556A	15	06-JA-03	-	06-JA-03	06-JA-03		
Rolloff Duplicate	R562A	7.8	07-JA-03	-	07-JA-03	07-JA-03		
Rolloff Duplicate	R574A	14	08-JA-03	-	08-JA-03	08-JA-03		
Rolloff Duplicate	R600A	5.5	09-JA-03	-	09-JA-03	09-JA-03		
Rolloff Duplicate	R606A	0.92	11-JA-03	-	11-JA-03	11-JA-03		
Rolloff Duplicate	R621A	0.51	13-JA-03	-	13-JA-03	13-JA-03		
Rolloff Duplicate	R631A	0.77	15-JA-03	-	15-JA-03	15-JA-03		
Rolloff Duplicate	R656A	10	18-JA-03	-	18-JA-03	18-JA-03		
Rolloff Duplicate	R671A	13	20-JA-03	-	20-JA-03	20-JA-03		
Rolloff Duplicate	R673A	< 0.10	24-JA-03	-	24-JA-03	24-JA-03		
Rolloff Duplicate	R677A	< 0.10	28-JA-03	-	28-JA-03	28-JA-03		

Table 3

QC Samples - January

Table 3

QC Results

Lab # associated with qc samples: R553 through R556

	Matrix Spike R555	Matrix Spike Duplicate R555	Blank 456	LCS 456
Date Analyzed:	1/6/03	1/6/03	1/6/03	1/6/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	116		90.4		25%	< 0.10	90.2

Table 3

QC Results

Lab # associated with qc samples: R557 through R569

	Matrix Spike R562	Matrix Spike Duplicate R562		Blank 457	LCS 457
Date Analyzed:	1/7/03	1/7/03		1/7/03	1/7/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	92.7		89.1		4%	< 0.10	88.4

Table 3

QC Results

Lab # associated with qc samples: R570 through R588

	Matrix Spike R573	Matrix Spike Duplicate R573	Blank 458	LCS 458
Date Analyzed:	1/8/03	1/8/03	1/8/03	1/8/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	109		96.3		12%	< 0.10	88.2

Table 3

QC Results

Lab # associated with qc samples: R589 through R594

	Matrix Spike R591	Matrix Spike Duplicate R591	Blank 459	LCS 459
Date Analyzed:	1/8/03	1/8/03	1/8/03	1/8/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	88.4		81.0		9%	< 0.10	88.0

Table 3

QC Results

Lab # associated with qc samples: R595 through R604

	Matrix Spike R603	Matrix Spike Duplicate R603		Blank 470	LCS 470
Date Analyzed:	1/9/03	1/9/03		1/9/03	1/9/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	69.4		67.9		2%	< 0.10	87.1

Table 3

QC Results

Lab # associated with qc samples: R605 through R617

	Matrix Spike R605	Matrix Spike Duplicate R605	Blank 461	LCS 461
Date Analyzed:	1/11/03	1/11/03	1/11/03	1/11/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	86.6		84.5		2%	< 0.10	91.7

Table 3

QC Results

Lab # associated with qc samples: R618 through R626

	Matrix Spike R620	Matrix Spike Duplicate R620		Blank 462	LCS 462
Date Analyzed:	1/13/03	1/13/03		1/13/03	1/13/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	77.6		83.9		-8%	< 0.10	92.7

Table 3

QC Results

Lab # associated with qc samples: R627 through R641

	Matrix Spike E383	Matrix Spike Duplicate E383		Blank 464	LCS 464
Date Analyzed:	1/15/03	1/15/03		1/15/03	1/15/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	85.6		101		-17%	< 0.10	85.2

Table 3

QC Results

Lab # associated with qc samples: R653 through R668

	Matrix Spike R667	Matrix Spike Duplicate R667		Blank 467	LCS 467
Date Analyzed:	1/18/03	1/18/03		1/18/03	1/19/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	61.1		86.7		-35%	< 0.10	91.5

Table 3

QC Results

Lab # associated with qc samples: R669 through R671

	Matrix Spike E409	Matrix Spike Duplicate E409	Blank 468	LCS 468
Date Analyzed:	1/20/03	1/20/03	1/20/03	1/20/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	87.8		101		-14%	< 0.10	86.3

Table 3

QC Results

Lab # associated with qc samples: R672 through R676

	Matrix Spike R673A	Matrix Spike Duplicate R673A		Blank 470	LCS 470
Date Analyzed:	1/24/03	1/24/03		1/24/03	1/24/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	93.5		95.0		-2%	< 0.10	88.9

Table 3

QC Results

Lab # associated with qc samples: R677

	Matrix Spike E438	Matrix Spike Duplicate E438		Blank 471	LCS 471
Date Analyzed:	1/28/03	1/28/03		1/28/03	1/28/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	113		109		4%	< 0.10	102

Appendix A

Chain of Custody Sheets for Samples

Ro Hoffs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

06JA03

No. 005732 *

Page 1 of 1

Project Number:	Mail Report To:
Project Name: KUHLMAN ELECTRIC	Company: MARTIN + SLACK
Project Location: CRYSTAL SPRINGS	Address:
Sampled By (Print): Chuck Reed	

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
RW 908-002	06JA03	1620	S	1.	NA	PCBs		R553
RW 457-005	↓	1623	↓	↓	↓	↓		R554
RW 2131-001	↓	1626	↓	↓	↓	↓		R555
SP-RB 20372-016	↓	1630	↓	↓	↓	↓		R556
ROLLOFF DUPLICATE	↓	—	↓	↓	↓	↓		R556A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Chuck Reed	Date/Time: 1/6/03	Received By:	Date/Time: 06JA03 16:15
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
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CHAIN OF CUSTODY

07JA03

No. 005660 *

Page 1 of 2

Turn Around (circle one): Normal Rush

Report Due:

Invoice To:

Company:

Address:

P.O. No.: Quote No.:

Project Number:

Project Name: KUHLMAN ELECTRIC

Project Location: CRYSTAL SPRINGS

Sampled By (Print): Chuck Peck

Mail Report To:

Company: MARTIN + SLAGLE

Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFS Reinforcing	Laboratory Number
RS-RB20006-019	07JA03	1344	S	1	NA	PCB	46671	R557
SP-RB20332-017	↓	1346	↓	↓	↓	↓	46672	R558
RW843-002	↓	1347	↓	↓	↓	↓	46673	R559
RS-RB20011-004	↓	1348	↓	↓	↓	↓	46674	R560
SP-RB26656-010	↓	1349	↓	↓	↓	↓	46675	R561
RS-RB20001-024	↓	1350	↓	↓	↓	↓	46676	R562
ROLLOFF DUPLICATE	↓	—	↓	↓	↓	↓		R562A
RW906-001	1516	1516	↓	↓	↓	↓	46677	R563
RW822-003	↓	1526	↓	↓	↓	↓	46680	R564
RW418-002	↓	1527	↓	↓	↓	↓	42346	R565
RS-RB20016-005	↓	1528	↓	↓	↓	↓	42347	R566
RS-RB20020-005	↓	1630	↓	↓	↓	↓	42348	R567

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/7/03 1704 Received By: [signature] Date/Time: 07JA03 17:04

Relinquished By: Date/Time: Received By: Date/Time:

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CHAIN OF CUSTODY

07JA03

No. 005661 *

Page 2 of 2

Project Number:	Mail Report To:
Project Name: KUHLMAN ELECTRIC	Company: MARTIN & SLACKE
Project Location: CRYSTAL SPRINGS	Address:
Sampled By (Print): Chuck Peck	

Turn Around (circle one) Normal Rush	
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFS Monitor #	Laboratory Number
RW 2131-002	07JA03	1633	S	1	NA	PCB	42349	R56P
RS-LB 20009-024	07JA03	1636	S	1	NA	PCB	42350	R569

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time: 1/7/03 17H	Received By:	Date/Time: 07JA03 17:14
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

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CHAIN OF CUSTODY

08JA03

No. 005662

Page 1 of 3

Project Number:	
Project Name:	KUHLMAN ELECTRIC
Project Location:	CRYSTAL SPRINGS
Sampled By (Print):	Chuck Paul
Mail Report To:	
Company:	MARTIN & SLAGLE
Address:	
Turn Around (circle one)	Normal Rush
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFI #	Laboratory Number
RW956-001	08JA03	1044	S	1	NA	PCB	42351	R570
RW 2526-002		1045					42352	R571
RW 457-006		1046					42353	R572
RS-RB 20017-006		1047					42354	R573
RW 808-003		1052					42355	R574
ROLLOFF DUPLICATE		—						R574 A
RWO-2509-002		1104					45586	R575
RW 818-003		1236					45587	R576
RS-RB 25925-015		1278					45589	R577
SP-RB 20279-011		1245					45590	R578
RS-RB 20012-004		1308					45591	R579
RS-RB 20003-025		1335					45592	R580

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time: 11/8/03 1425	Received By:	Date/Time: 08JA03 14:25
Relinquished By:	Date/Time:	Received By:	Date/Time:

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CHAIN OF CUSTODY

08JA03

No. 005733 *

Project Number:	Mail Report To:
Project Name: KUHLMAN ELECTRIC	Company: MARTIN + SLACLE
Project Location: CRYSTAL SPRINGS	Address:
Sampled By (Print): Chuck Paul	

Turn Around (circle one): Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFZ #	Laboratory Number
RW407-007	08JA03	1337	S	1	NA	PCB	45593	R581
RS-RB20001-025		1425					45594	R582
RS-RB20007-025		1427					45595	R583
RS-RB20020-006		1430					45596	R584
RS-RB20013-006		1445					45597	R585
RS-RB20014-006		1518					45620	R586
RS-RB20005-024		1520					45621	R587
RS-RB20018-005		1526					45622	R588
RW 2116-001		1605					45623	R589
SP-RB25017-019		1550					45624	R590
RS-RB20004-026		1628					45625	R591
SP-RB20248-013		1646					45626	R592

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time: 1/4/03 1722	Received By:	Date/Time: 08JA03 17:22
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
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CHAIN OF CUSTODY

08JA03

No. 005734 *

Page 3 of 3

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peal

Mail Report To:
Company: MARTIN + SLACK
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments 6FI lb	Laboratory Number
RW 723-005	08JA03	1655	S	1	NA	PCB	45627	R593
RW 471-001	08JA03	1710	S	1	NA	PCB	45628	R594

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/8/03 1732
Relinquished By: Date/Time:
Received By: [signature] Date/Time: 08JA03 19:32
Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
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Receipt Temp:
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CHAIN OF CUSTODY

09JA03

No. 005663 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peel

Mail Report To:
Company: MARTIN + SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFI #	Laboratory Number
RW 2131-003	09JA03	1007	S	1	NA	PCB	45598	R595
RW958-006		1010					45599	R596
RW470-006		1011					45600	R597
RS-RB20011-005		1013					45601	R598
RS-RB20019-004		1015					45602	R599
RW2100-003		1017					45603	R600
Rolloff Duplicate		—						R600A
RS-RB25930-014		1020					45604	R601
RW843-003		1132					45605	R602
RS-RB20002-022		1135					45606	R603
RS-RB20010-019		1210					45607	R604
								~~R605~~ error

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/9/03 1600 Received By: [signature] Date/Time: 09JA03 16:02

Relinquished By: Date/Time: Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:

Receipt Temp:
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CHAIN OF CUSTODY

11JA03

No. 005664 *

Page 1 of 2

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Paul

Mail Report To:
Company: MARTIN & SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BET #	Laboratory Number
RW407-008	11JA03	1013	S	1	NA	PCBs	45604	R605
RS-RB20016-006		1015					45609	R606
Rolloff Duplicate		—						R606A
RS-RB20009-025		1017					45610	R607
SP-RB20332-018		1018					45611	R608
RW0-2509-003		1020					45612	R609
RS-RB20003-026		1301					4613	R610
RW418-003		1302					45614	R611
RS-RB20017-007		1306					45615	R612
RW808-004		1307					45616	R613
RS-RB20002-023		1309					45617	R614
SP-RB26656-011		1318					45618	R615

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/11/03 1400 Received By: [signature] Date/Time: 11JA03 14:02
Relinquished By: Date/Time: Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
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CHAIN OF CUSTODY

11JA03

No. 005665 *

Page 2 of 2

Turn Around (circle one)	Normal Rush
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Project Number:		Mail Report To:	
Project Name:	KUHLMAN ELECTRIC	Company:	MARTIN + SLAGLE
Project Location:	CRYSTAL SPRINGS	Address:	
Sampled By (Print):	Chuck Peel		

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments AFE#	Laboratory Number
RS-RB2000L-020	11JA03	1419	S	1	NA	PCB	45619	R616
RW906-002	11JA03	1423	S	1	NA	PCB	45629	R617

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time: 1/11/03 14:30	Received By:	Date/Time: 11JA03 14:30
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:
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CHAIN OF CUSTODY

13JA03

No. 005666 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Paul

Mail Report To:
Company: MARTIN & SLACK
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments (EES #)	Laboratory Number
RS-RB20017-008	13JA03	1420	S	1	NA	PCS	45630	R618
RS-RB20002-024	↓	1424	↓	↓	↓	↓	45631	R619
RS-RB20003-027	↓	1426	↓	↓	↓	↓	45632	R620
RW808-005	↓	1431	↓	↓	↓	↓	45633	R621
Rolloff Duplicate	↓	—	↓	↓	↓	↓	45634	R621A
RS-RB20012-005	↓	1647	↓	↓	↓	↓	45634	R622
RS-RB20010-020	↓	1649	↓	↓	↓	↓	45635	R623
RW457-007	↓	1652	↓	↓	↓	↓	45636	R624
RS-RB20008-008	↓	1654	↓	↓	↓	↓	45637	R625
RW822-004	↓	1707	↓	↓	↓	↓	45638	R626

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/13/03 1720 Received By: [signature] Date/Time: 13JA03 17:22

Relinquished By: Date/Time: Received By: Date/Time:

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CHAIN OF CUSTODY

15JA03

No. 005668 *

Page 1 of 2

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Paul

Mail Report To:
Company: MARTIN & SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments (BEI#)	Laboratory Number
RW418-004	15JA03	1045	S	1	NA	PCB	46699	R627
RS-RB20007-026		1048					46700	R628
RS-RB20020-007		1050					46701	R629
RW2116-002		1054					46702	R630
RS-RB20004-027		1059					46703	R631
Rolloff Duplicate		—						R631A
SP-RB20248-014		1242					46704	R632
SP-RB25017-020		1244					46705	R633
RW 457-008		1245					46706	R634
RS-RB20013-007		1254					46707	R635
RS-RB20003-028		1409					46708	R636
RS-RB20010-021		1411					46709	R637

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Chuck Paul	1/15/03 1444	[signature]	15JA03 14:44
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
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Receipt Temp:
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CHAIN OF CUSTODY

15JA03

No. 005669 *

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peel

Mail Report To:
Company: MARTIN + SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BEE #	Laboratory Number
RS-RB 20005-025	15JA03	1414	S	1	NA	PCBs	46710	R638
RS-RB 20018-006	↓	1435	↓	↓	↓	↓	46711	R639
RW 878-004	↓	1456	↓	↓	↓	↓	46712	R640
RW 470-007	↓	1506	↓	↓	↓	↓	46713	R641

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/15/03 1500
Received By: [signature] Date/Time: 15JA03 15:00
Relinquished By: Date/Time:
Received By: Date/Time:

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CHAIN OF CUSTODY

ROLLOFFS BFI

No. 005168 *

Page 1 of 2

Project Number:	Mail Report To:
Project Name: KUHLMAN ELECTRIC	Company: MARTIN & SLAGLE
Project Location: CRYSTAL	Address:
Sampled By (Print):	

Turn Around (circle one) Normal Rush	
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	MANIFEST # Comments	Laboratory Number
RS-RB20014-007	18 JA03	1040	S	1	NA	PCB's	49815	R653
RW956-002		1043					46714	R654
RS-RB20008-009		1045					46715	R655
RW2131-004		1054					46716	R656
ROLLOFF DUPLICATE		—					—	R656A
RW958-007		1200					46717	R657
RW822-005		1249					46718	R658
RS-RB20017-009		1251					46804	R659
RW470-008		1255				18JA03 wrong #	46806	R660
RS-RB20063-026 (5)		1328					49808	R661
SP-RB25017-021		1337					49809	R662
RS-RB20013-008		1354					49810	R663

wrong # on 18JA03

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Chris Lad	Date/Time: 1/18/03 1400	Received By: R Johnson 18JA03	Date/Time: 1400
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
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(1) by 18JA03 wrong

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CHAIN OF CUSTODY No. 005170 *

ROLLOFFS BFI + EMFELE

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS MISS
Sampled By (Print): CHUCK PEEL

Mail Report To:
Company: MARTIN & SCAGGE
Address:

P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Manifest # / DOC Comments / CWA #	Laboratory Number
RS-RB20018-007	18JA03	1405	S	1	NA	PCB 2	49811	R664
RWA57-009	↓	1427	↓	↓	↓	↓ sent to Emelle	— 00316 939825	R665
RS-RB20007-027	↓	1519	↓	↓	↓	↓	49812	R666
RS-RB 20003-029	↓	1522	↓	↓	↓	↓	49813	R667
SP-RB 20279-012	↓	1524	↓	↓	↓	↓	49814	R668

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Charles Peel	1/15/03 1500	R Jackson 18JA03	1500
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
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CHAIN OF CUSTODY

No. 005163 *

ROLLOFFS BF1

Page 1 of 1

Project Number:		Mail Report To:	
Project Name:	KUHLMAN ELECTRIC	Company:	MARTIN & SLAGLE
Project Location:	CRYSTAL SPRINGS MISS	Address:	
Sampled By (Print):	CHUCK PERL		

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	MAN/FEST # Comments	Laboratory Number
SP-RB 20191-010	20 JA 03	1602	S	1	NA	PCB[2]	49816	R669
RS-RB 20009-026	↓	1605	↓	↓	↓	↓	49817	R670
RW A68-002	↓	1609	↓	↓	↓	↓	49818	R671
ROLLOFF DUPLICATE	↓	—	↓	↓	↓	↓		R672 ~~A~~ wrong # 1/22/03

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Chuck Perl	1/20/03 1605	R Johnson 20JA03	1605
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
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24JA03

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

ROLLOFFS

No. 005172 *

Page 1 of 1

Turn Around (circle one)	Normal Rush
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Project Number:	Mail Report To:
Project Name: KUHLMAN ELECTRIC	Company: MARTIN + SCHAGE
Project Location: CRYSTAL SPRINGS MISS	Address:
Sampled By (Print): CHUCK PEEL	

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	MANIFEST # Comments	Laboratory Number
SP-RB20072-009	24 JA 03	1035	S	1	NA	PCB's	49819	R672
SP-RB20279-013		1041					49820	R673
ROLLOFF DUPLICATE		—					—	R673A
SP-RB25017-022		1534					49821	R674
RS-RB20016-007		1536					49822	R675
RS-RB20006-021		1541					49823	R676

*Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH O=Other(Indicate)	Relinquished By: [signature]	Date/Time: 1/24/03 1605	Received By: R Johnson 24JA03	Date/Time: 1605
	Relinquished By:	Date/Time:	Received By:	Date/Time:
Custody Seal: Present/Absent	Intact/Not Intact	Seal #'s	Receipt Temp:	
Shipped Via:			Temp Blank Y N	

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28 03

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CHAIN OF CUSTODY

No. 005175 *

Page 1 of 1

ROLLOFFS

Project Number:	
Project Name: KUHLMAN ELECTRIC	
Project Location: CRYSTAL SPRINGS MISS	
Sampled By (Print): CHUCK PEEL	
Mail Report To:	
Company: MARTIN & SCHAGER	
Address:	
Turn Around (circle one) Normal Rush	
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.: Quote No.:	

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFS#	Laboratory Number
RS-RB20001-027	28JAN03	1318	S	1	NA	PCBs	49824	R677
Rolloff Duplicate	28JAN03	—	S	1	NA	PCBs		R677A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Charles Peel	1/28/03 1800	[signature]	28JAN03 18 00
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:

Temp Blank Y N

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Appendix B

Copy of Analytical Report Submitted to BFI via Fax

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Number of Pages; including cover sheet = 6

Joe Kubale
With: Mobil Lab

Comments: R403-R440 went to Emelle (November 02)
R444-R552 went to Emelle (December 02)

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW808-002-R553
Date Collected: 06-JA-03
Sample Type: Soil

Date Extracted: 06-JA-03 Lab Sample Number: R553
Date Analyzed: 06-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	20	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Stubel
Date: 07JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW457-005-R554
Date Collected: 06-JA-03
Sample Type: Soil

Date Extracted: 06-JA-03 Lab Sample Number: R554
Date Analyzed: 06-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	26	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal
Date: 07JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: RW2131-001-R555
Date Collected: 06-JA-03
Sample Type: Soil

Date Extracted: 06-JA-03 Lab Sample Number: R555
Date Analyzed: 06-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	8.7	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4869

Approved by: [signature]
Date: 07JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: SP-RB20332-016-R556
Date Collected: 06-JA-03
Sample Type: Soil

Date Extracted: 06-JA-03 Lab Sample Number: R556
Date Analyzed: 06-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	5.5	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Gerbal
Date: 07JA03

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

06JA03

No. 005732 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Reel

Mail Report To:
Company: MARTIN & SLACK LLC
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
RW POP-002	06JA03	1620	S	1	NA	PCBs		R553
RW 457-005		1627						R554
RW 2131-001		1626						R555
SP-RB 20332-016		1630						R556
ROLLOFF DUPLICATE		—						R556A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Chuck Reel
Date/Time: 1/6/03
Received By: [signature]
Date/Time: 06JA03 16:45

Relinquished By:
Date/Time:
Received By:
Date/Time:

Custody Se Present/Absent Intact/Not Intact Seal #'s
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Receipt Temp:
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FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Joe Kubale
With: Mobil Lab

Number of Pages; including cover sheet = 9

Comments: I'm sending the reports in two batches
First, R557 through R564

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: RS-RB20006-019-R557
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R557
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	6.3	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal
Date: 08JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB20332-017-R558
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R558
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	6.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal

Date: 07JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW843-002-R559
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R559
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	7.6	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Furtal
Date: 08JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20011-004-R560
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R560
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	18	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Stabel
Date: 08JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB26656-010-R561
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R561
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	12	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Jeanette Stobel
Date: 08JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20001-024-R562
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R562
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	8.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 08JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW906-001-R563
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R563
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	15	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kimball
Date: 08JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW822-003-R564
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R564
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	14	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Stoebel
Date: 08JA03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Number of Pages; including cover sheet = 8
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in two batches
Second, R565 through R569 and the coc's

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW418-002-R565
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R565
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	13	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 07JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20016-005-R566
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R566
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	11	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Gustal

Date: 08JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20020-005-R567
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R567
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	12	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-9700
Fax: (608)221-4889

Approved by: Joseph Shabel
Date: 08JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW2131-002-R568
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R568
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	8.5	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Hurbel
Date: 08JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20009-024-R569
Date Collected: 07-JA-03
Sample Type: Soil

Date Extracted: 07-JA-03 Lab Sample Number: R569
Date Analyzed: 07-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	14	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Gabel
Date: 08JA03

VKG 1107 12

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

07JA03

No. 005661 *

Turn Around (circle one) Normal Rush
Report Due:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Paul

Mail Report To:
Company: MARTIN & SLACKE
Address:

Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFZ Identifier #	Laboratory Number
RW 2131-002	07JA03	1633	S	1	NA	PCB	42349	R56P
RS-LB 20009-024	07JA03	1636	S	1	NA	PCB	42350	R569

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/7/03 1714 Received By: [signature] Date/Time: 07JA03 19:14

Relinquished By: Date/Time: Received By: Date/Time:

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Environmental Chemistry Consulting Services, Inc.
2525 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

07JA03

No. 005660 *

Page 1 of 2

Turn Around (circle one) Normal Rush

Report Due:

Project Number:

Project Name: KUHLMAN ELECTRIC

Project Location: CRYSTAL SPRINGS

Sampled By (Print): Chuck Peel

Mail Report To:

Company: MARTIN + SLAGLE

Address:

Invoice To:

Company:

Address:

P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFS Bailfoil#	Laboratory Number
RS-RB20006-019	07JA03	1344	S	1	NA	PCB	46671	R557
SP-RB20332-017		1346					46672	R558
RW943-002		1347					46673	R559
RS-RB20011-004		1348					46674	R560
SP-RB26656-010		1349					46675	R561
RS-RB20001-024		1350					46676	R562
ROLLOFF DUPLICATE		—						R562A
RW906-001	~~1540~~	1516					46677	R563
RW822-003		1526					46680	R564
RW418-002		1527					42346	R565
RS-RB20016-005		1528					42347	R566
RS-RB20020-005		1630					42348	R567

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Chuck Peel
Date/Time: 1/7/03 1704
Received By: [signature]
Date/Time: 07JA03 17:04

Relinquished By:
Date/Time:
Received By:
Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:
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Deliver by 07JA03

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FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Number of Pages; including cover sheet = 11
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in three batches
First, R570 through R579

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW956-001-R570
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R570
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	14	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-6700
Fax: (608)221-4889

Approved by: Joseph Flabel

Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW2526-002-R571
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R571
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	22	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kabel
Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW457-006-R572
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R572
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	10	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Hubel

Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20017-006-R573
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R573
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	8.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: [signature]
Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW808-003-R574
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R574
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	10	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Gabel

Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RWO-2509-002-R575
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R575
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	14	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal

Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW818-003-R576
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R576
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	19	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Patel

Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB25925-015-R577
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R577
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	12	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal

Date: 8/5/03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB20279-011-R578
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R578
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	9.8	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20012-004-R579
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R579
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	8.3	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal

Date: 09JA03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Joe Kubale
With: Mobil Lab

Number of Pages; including cover sheet = 10

Comments: I'm sending the reports in three batches
Second, R580 through R588

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20003-025-R580
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R580
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	18	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Stutel
Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW407-007-R581
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R581
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	13	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Gabel

Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20001-025-R582
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R582
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	8.4	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Hurtel
Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20007-025-R583
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R583
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	12	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kurtal

Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20020-006-R584
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R584
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	13	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal

Date: 08JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20013-006-R585
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R585
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	17	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Fuhrel

Date: 09JAN03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20014-006-R586
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R586
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	10	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Stutal
Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20005-024-R587
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R587
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	13	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Turbal

Date: 09/14/07

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20018-005-R588
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R588
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	16	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 09JA03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Number of Pages; including cover sheet = 10
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in three batches
Third, R589 through R594 and the coc's

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: RW2116-001-R589
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R589
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 2

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.20	4.2	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: 09JA03

Date:

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB25017-019-R590
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R590
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 2

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.20	2.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Stabel
Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20004-026-R591
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R591
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	17	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Gutbal
Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB20248-013-R592
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R592
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 2

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.20	4.5	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW723-005-R593
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R593
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	1.5	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Hubel

Date: 09JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW471-001-R594
Date Collected: 08-JA-03
Sample Type: Soil

Date Extracted: 08-JA-03 Lab Sample Number: R594
Date Analyzed: 08-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	8.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Glubal
Date: 08JA03

1/6 11 vfts

Environmental Chemistry Consulting Services, Inc.

2828 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

No. 005662 *

08JA03

Page 1 of 3

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peul

Mail Report To:
Company: MARTIN + SABLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments RFX #	Laboratory Number
RW956-001	08JA03	1044	S	1	NA	PCB	42351	R570
RW 2526-002		1045					42352	R571
RW 457-006		1046					42353	R572
RS-RB 20017-006		1047					42354	R573
RW 808-003		1052					42355	R574
ROLLOFF DUPLICATE		—						R574 A
RWO-2509-002		1104					45586	R575
RW 818-003		1236					45587	R576
RS-RB 25925-015		1278					45589	R577
SP-RB 20279-011		1245					45590	R578
RS-RB 20012-004		1308					45591	R579
RS-RB 20003-025		1335					45592	R580

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/8/08 1425
Received By: [signature] Date/Time: 08JA03 14:25
Relinquished By: Date/Time:
Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Receipt Temp:
Temp Blank Y N
Shipped Via:

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

Rw 1110

Environmental Chemistry Consulting Services, Inc.

2525 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4888

CHAIN OF CUSTODY

08JA03

No. 005733 *

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Paul

Mail Report To:
Company: MARTIN + SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BPC #	Laboratory Number
RW407-007	08JA03	1337	S	1	NA	PCB	45593	R581
RS-RB20001-025		1425					45594	R582
RS-RB20007-025		1427					45595	R583
RS-RB20020-006		1430					45596	R584
RS-RB20013-006		1445					45597	R585
RS-RB20014-006		1518					45620	R586
RS-RB20005-024		1520					45621	R587
RS-RB20018-005		1526					45622	R588
RW2116-001		1605					45623	R589
SP-RB25017-019		1550					45624	R590
RS-RB20004-026		1628					45625	R591
SP-RB20248-013		1646					45626	R592

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/4/03 1722 Received By: [signature] Date/Time: 08JA03 17:22

Relinquished By: Date/Time: Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
Temp Blank Y N

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KS11071J

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

CHAIN OF CUSTODY

08JA03

No. 005734 *

Page 3 of 3

Turn Around (circle one) Normal Rush

Report Due:

Project Number:

Project Name: KUHLMAN ELECTRIC

Project Location: CRYSTAL SPRINGS

Sampled By (Print): Chuck Peel

Mail Report To:

Company: MARTIN + SLAGLE

Address:

Invoice To:

Company:

Address:

P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
RW 723-005	08JA03	1655	S	1	NA	PCB	45627	R593
RW 471-001	08JA03	1710	S	1	NA	PCB	45628	R594

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Date/Time: 1/8/03 1722

Received By: Date/Time: 08JA03 17:22

Relinquished By: Date/Time:

Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Receipt Temp:

Temp Blank Y N

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Number of Pages; including cover sheet = 12
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in one batch
R595 through R604

You should have reports now from R553 through R604
If not, please call me
Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW2131-003-R595
Date Collected: 09-JA-03
Sample Type: Soil

Date Extracted: 09-JA-03 Lab Sample Number: R595
Date Analyzed: 09-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	17	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 10 JA 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: RW958-006-R596
Date Collected: 09-JA-03
Sample Type: Soil

Date Extracted: 09-JA-03 Lab Sample Number: R596
Date Analyzed: 09-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 2

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.20	6.4	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kabal

Date: 10JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW470-006-R597
Date Collected: 09-JA-03
Sample Type: Soil

Date Extracted: 09-JA-03 Lab Sample Number: R597
Date Analyzed: 09-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	19	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal

Date: 10JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: RS-RB20011-005-R598
Date Collected: 09-JA-03
Sample Type: Soil

Date Extracted: 09-JA-03 Lab Sample Number: R598
Date Analyzed: 09-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 2

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.20	6.0	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Patel

Date: 10 JA 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20019-004-R599
Date Collected: 09-JA-03
Sample Type: Soil

Date Extracted: 09-JA-03 Lab Sample Number: R599
Date Analyzed: 09-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	3.8	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal
Date: 10JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW2100-003-R600
Date Collected: 09-JA-03
Sample Type: Soil

Date Extracted: 09-JA-03 Lab Sample Number: R600
Date Analyzed: 09-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.10	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal

Date: 10JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB25930-014-R601
Date Collected: 09-JA-03
Sample Type: Soil

Date Extracted: 09-JA-03 Lab Sample Number: R601
Date Analyzed: 09-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.35	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: 10JA03

Date:

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW843-003-R602
Date Collected: 09-JA-03
Sample Type: Soil

Date Extracted: 09-JA-03 Lab Sample Number: R602
Date Analyzed: 09-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.73	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Hubal

Date: 10JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20002-022-R603
Date Collected: 09-JA-03
Sample Type: Soil

Date Extracted: 09-JA-03 Lab Sample Number: R603
Date Analyzed: 09-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.97	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 10JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20010-019-R604
Date Collected: 09-JA-03
Sample Type: Soil

Date Extracted: 09-JA-03 Lab Sample Number: R604
Date Analyzed: 09-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 2

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.20	6.3	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Glubal
Date: 10JA03

Rolloffs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

09JA03

No. 005663 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peel

Mail Report To:
Company: MARTIN + SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFF #	Laboratory Number
RW 2131-003	09JA03	1007	S	1	NA	PCB	45598	R595
RW 958-006		1010					45599	R596
RW 470-006		1011					45600	R597
RS-RB 20011-005		1013					45601	R598
RS-RB 20019-004		1015					45602	R599
RW 2100-003		1017					45603	R600
Rolloff Duplicate		—						R600A
RS-RB 25930-014		1020					45604	R601
RW 943-003		1132					45605	R602
RS-RB 20002-022		1135					45606	R603
RS-RB 20010-019		1210					45607	R604
								~~R605~~

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/9/03 1600
Received By: [signature] Date/Time: 09JA03 1600
Relinquished By: Date/Time:
Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Receipt Temp:
Temp Blank Y N
Shipped Via:

WHITE REPORT COPY YELLOW LABORATORY COPY PINK SAMPLER RETAINED

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Joe Kubale
With: Mobil Lab

Number of Pages; including cover sheet = 9

Comments: I'm sending the reports in two batches
First, R605 through R612

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW407-008-R605
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R605
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.92	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Furbal
Date: 11JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20016-006-R606
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R606
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.98	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kleubel
Date: 11JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20009-025-R607
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R607
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	1.5	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 11JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: SP-RB20332-018-R608
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R608
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	2.3	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Jeanette Hurbal
Date: 11JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RWO-2509-003-R609
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R609
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	2.6	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Pavlak
Date: 11JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20003-026-R610
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R610
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	1.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Krutal

Date: 11JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW418-003-R611
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R611
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	8.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: [signature]
Date: 11JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20017-007-R612
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R612
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	1.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 11JA03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Number of Pages; including cover sheet = 8
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in two batches
Second, R613 through R617 and the coc's

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW808-004-R613
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R613
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	1.4	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Pirtol

Date: 11/JA/03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20002-023-R614
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R614
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	8.8	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubala

Date: 11JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB26656-011-R615
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R615
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	3.0	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 11JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20006-020-R616
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R616
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.93	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 11 JA 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW906-002-R617
Date Collected: 11-JA-03
Sample Type: Soil

Date Extracted: 11-JA-03 Lab Sample Number: R617
Date Analyzed: 11-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	2.0	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 11JA03

Rolloffs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

11JA03

No. 005664 *

Page 1 of 2

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peel

Mail Report To:
Company: MARTIN & SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BEI #	Laboratory Number
RW407-008	11JA03	1013	S	1	NA	PCBs	45604	R605
RS-RB20016-006		1015					45609	R606
Rolloff Duplicate		—						R606A
RS-RB20009-025		1017					45610	R607
SP-RB20332-018		1018					45611	R608
RW0-2509-003		1020					45612	R609
RS-RB20003-026		1301					4613	R610
RW418-003		1302					45614	R611
RS-RB20017-007		1306					45615	R612
RW808-004		1307					45616	R613
RS-RB20002-023		1309					45617	R614
SP-RB26656-011		1318					45618	R615

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/11/03 1400 Received By: [signature] Date/Time: 11JA03 14:02

Relinquished By: Date/Time: Received By: Date/Time:

Custody Seal Present/Absent Intact/Not Intact Seal #'s
Shipped Via:

Receipt Temp:
Temp Blank Y N

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

1 of 12

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

11JA03

No. 005665 *

Page 2 of 2

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Paul

Mail Report To:
Company: MARTIN + SLACLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments AFC#	Laboratory Number
RS-RB20006-020	11JA03	1419	S	1	NA	PCB	45619	R616
RW906-002	11JA03	1423	S	1	NA	PCB	45629	R617

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(indicate)

Relinquished By: Chuck Paul
Date/Time: 11/1/03 1430
Received By: Joseph Hubal
Date/Time: 11JA03 14:30

Relinquished By:
Date/Time:
Received By:
Date/Time:

Custody Seal Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
Temp Blank Y N

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FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Number of Pages; including cover sheet = 11

Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in one batch
R618 through R626 and the coc

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20017-008-R618
Date Collected: 13-JA-03
Sample Type: Soil

Date Extracted: 13-JA-03 Lab Sample Number: R618
Date Analyzed: 13-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.66	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4869

Approved by:

Date: 14JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20002-024-R619
Date Collected: 13-JA-03
Sample Type: Soil

Date Extracted: 13-JA-03 Lab Sample Number: R619
Date Analyzed: 13-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	1.3	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 14JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20003-027-R620
Date Collected: 13-JA-03
Sample Type: Soil

Date Extracted: 13-JA-03 Lab Sample Number: R620
Date Analyzed: 13-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.75	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Jacob Gabel
Date: 14JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW808-005-R621
Date Collected: 13-JA-03
Sample Type: Soil

Date Extracted: 13-JA-03 Lab Sample Number: R621
Date Analyzed: 13-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.40	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Patel
Date: 14JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20012-005-R622
Date Collected: 13-JA-03
Sample Type: Soil

Date Extracted: 13-JA-03 Lab Sample Number: R622
Date Analyzed: 13-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.38	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Hubal

Date: 14JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20010-020-R623
Date Collected: 13-JA-03
Sample Type: Soil

Date Extracted: 13-JA-03 Lab Sample Number: R623
Date Analyzed: 13-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.36	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: [signature]

Date: 14JAN03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW457-007-R624
Date Collected: 13-JA-03
Sample Type: Soil

Date Extracted: 13-JA-03 Lab Sample Number: R624
Date Analyzed: 13-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.51	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 14 JA 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20008-008-R625
Date Collected: 13-JA-03
Sample Type: Soil

Date Extracted: 13-JA-03 Lab Sample Number: R625
Date Analyzed: 13-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.30	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Jerry Stubel

Date: 14JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: RW822-004-R626
Date Collected: 13-JA-03
Sample Type: Soil

Date Extracted: 13-JA-03 Lab Sample Number: R626
Date Analyzed: 13-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.98	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Gerstal

Date: 14 Jan 03

Ko 110777

Environmental Chemistry Consulting Services, Inc.

2825 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

No. 005666 *

13JA03

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peel

Mail Report To:
Company: MARTIN & SLACK
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
RS-RB20017-008	13JA03	1420	S	1	NA	PCS	45630	R618
RS-RB20002-024	↓	1424	↓	↓	↓	↓	45631	R619
RS-RB20003-027	↓	1426	↓	↓	↓	↓	45632	R620
RW808-005	↓	1431	↓	↓	↓	↓	45633	R621
Roll off Duplicate	↓	—	↓	↓	↓	↓	~~45634~~ No #	R621A
RS-RB20012-005	↓	1647	↓	↓	↓	↓	45634	R622
RS-RB20010-020	↓	1649	↓	↓	↓	↓	45635	R623
RW457-007	↓	1652	↓	↓	↓	↓	45636	R624
RS-RB20008-008	↓	1654	↓	↓	↓	↓	45637	R625
RW822-004	↓	1707	↓	↓	↓	↓	45638	R626

*Preservation Code
A=None B=HCl, C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 1/15/03 1720 Received By: [signature] Date/Time: 13JA03 17:22

Relinquished By: Date/Time: Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Receipt Temp:
Temp Blank Y N
Shipped Via:

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

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Joe Kubale
With: Mobil Lab

Number of Pages; including cover sheet = 10

Comments: I'm sending the reports in two batches
First, R627 through R635

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: RW418-004-R627
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R627
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.39	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Stutzel
Date: 15JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20007-026-R628
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R628
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.32	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

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2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubel
Date: 15JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20020-007-R629
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R629
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.68	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 15JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW2116-002-R630
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R630
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.87	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: [signature]
Date: 15JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20004-027-R631
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R631
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.29	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: [signature]
Date: 15JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB20248-014-R632
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R632
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.71	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 15JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB25017-020-R633
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R633
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.36	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 15JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW457-008-R634
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R634
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.11	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Stabel 15JA03

Date:

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20013-007-R635
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R635
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.14	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: [signature]

Date: 15JA03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Number of Pages; including cover sheet = 9
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in two batches
Second, R636 through R641 and the coc's

Please call if you have any questions
Joe Kubale 608-345-1974

KATHY THESE are being sent
by me RICHARD JOHNSON
608-358-2275

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20003-028-R636
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R636
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	1.4	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Jennifer Gabel
Date: 15 JA 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20010-021-R637
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R637
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	5.6	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal
Date: 15JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20005-025-R638
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R638
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	1.6	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: [signature]
Date: 15JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20018-006-R639
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R639
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	4.5	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Furbal 15JA03

Date:

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW818-004-R640
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R640
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	2.2	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 15JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW470-007-R641
Date Collected: 15-JA-03
Sample Type: Soil

Date Extracted: 15-JA-03 Lab Sample Number: R641
Date Analyzed: 15-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	2.7	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 15JA03

160110SJ

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

15JA03

No. 005668 *

Page 1 of 2

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peal

Mail Report To:
Company: MARTIN & SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFI#	Laboratory Number
RW418-004	15JA03	1045	S	1	NA	PCB	46699	R627
RS-RB20007-026		1048					46700	R628
RS-RB20020-007		1050					46701	R629
RW2116-002		1054					46702	R630
RS-RB20004-027		1059					46703	R631
Rolloff Duplicate		—						R631A
SP-RB20248-014		1242					46704	R632
SP-RB250117-020		1244					46705	R633
RW 457-008		1245					46706	R634
RS-RB20013-007		1254					46707	R635
RS-RB20003-028		1409					46708	R636
RS-RB20010-021		1411					46709	R637

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Chuck Peal
Date/Time: 1/15/03 1444
Received By:
Date/Time: 15JA03 14:44

Relinquished By:
Date/Time:
Received By:
Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
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Kuhlman

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

No. 005669 *

15JA03

Page 2 of 2

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Paul

Mail Report To:
Company: MARTIN + SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments GFC #	Laboratory Number
RS-RB 20005-025	15JA03	1414	S	1	NA	PCBs	46710	R638
RS-RB 20018-006	↓	1435	↓	↓	↓	↓	46711	R639
RW 818-004	↓	1456	↓	↓	↓	↓	46712	R640
RW 470-007	↓	1506	↓	↓	↓	↓	46713	R641

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(indicate)

Relinquished By: [signature] Date/Time: 1/15/03 1500
Received By: [signature] Date/Time: 15JA03 15:00
Relinquished By: Date/Time:
Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
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FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Richard Johnson Number of Pages; including cover sheet = 16
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in one batch
R654 to R664 and R666 to R667 and COC's

Please call if you have any questions
Richard Johnson 608-358-2275

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20008-001-R655
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R655
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	18	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 19JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW2131-004-R656
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R656
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	35	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: R Johnson
Date: 19JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: RW958-007-R657
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R657
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	29	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 19JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: RW822-005-R658
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R658
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	26	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Reed Johnson

Date: 19JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20017-009-R659
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R659
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	42	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 19JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW470-008-R660
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R660
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	20	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard W Johnson
Date: 19JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20005-026-R661
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R661
Date Analyzed: 18-JAA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	33	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 19JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB25017-021-R662
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R662
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	32	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 19JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20013-008-R663
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R663
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	14	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 19 JA 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20018-007-R664
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R664
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	11	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 1 25 A03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20007-027-R666
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R666
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	10	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 19 JA 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20003-029-R667
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R667
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	8.0	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 19JA03

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

No. 005168 *

Page 1 of 2

ROLLOFFS BFI

Project Number:	Mail Report To:	Turn Around (circle one) Normal Rush
Project Name: KUHLMAN ELECTRIC	Company: MARTIN & SCAGLE	Report Due:
Project Location: CRYSTAL	Address:	Invoice To:
Sampled By (Print):		Company:
		Address:
		P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	MANIFEST # Comments	Laboratory Number
RS-RB20014-007	18 JA03	1040	S	1	NA	PCB's		R653
RW956-002		1043					46714	R654
RS-RB20008-009		1045					46715	R655
RW231-004		1054					46716	R656
ROLOFF DUPLICATE		—					—	R656A
RW958-007		1200					46717	R657
RW822-005		1249					46718	R658
RS-RB20017-009		1251					49804	R659
RW470-008		1255				18JA03 WRONG #TOX	49806	R660
RS-RB20035-026		1328					49808	R661
SP-RB25017-021		1337					49809	R662
RS-RB20013-008		1354					49810	R663

*Preservation Code	Relinquished By:	Date/Time:	Received By:	Date/Time:
A=None B=HCL C=H2SO4	Charles [illegible]	1/18/03 1400	R Johnson 18JA03	1400
D=HNO3 E=EnCore F=Methanol	Relinquished By:	Date/Time:	Received By:	Date/Time:
G=NaOH O=Other(Indicate)				

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via

Receipt Temp:

Temp Blank Y N

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Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

ROLLOFFS BFI

No. 005170 *

Page 2 of 2

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS MISS
Sampled By (Print): CHUCK PEEL

Mail Report To:
Company: MARTIN L SCAGGE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	MANIFEST # Comments	Laboratory Number
RS-RB20018-007	18 JA03	1405	S	1	NA	PCB's	49811	R664
RWA57-009	↓	1427	↓	↓	↓	↓		R665
RS-RB20007-027	↓	1519	↓	↓	↓	↓	49812	R666
RS-RB 20003-029	↓	1522	↓	↓	↓	↓	49813	R667
SP-RB 20079-012	↓	1524	↓	↓	↓	↓	49814	R668

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Chuck Peel	1/15/03 1500	R Jackson 18JA03	1500
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
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FAX COVER PAGE

To: **Kathy Avis**
With: **BFI**

From: Richard Johnson
Joe Kubale
With: Mobil Lab

Number of Pages; including cover sheet = 2

Comments: LAST ONE FOR TODAY R668
RICHARD JOHNSON
19W403
I FORGOT TO SIGN

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB20279-012-R668
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R668
Date Analyzed: 19-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	15	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson

Date: 19JA03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Richard Johnson Number of Pages; including cover sheet = 2
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in one batch
R653

Please call if you have any questions
Richard Johnson 608-358-2275

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20014-007-R653
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R653
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	45	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson

Date: 20JA03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI**

From: Richard Johnson
Joe Kubale
With: Mobil Lab

Number of Pages; including cover sheet = 2

Comments:

Here is the result of box # R654

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW956-002-R654
Date Collected: 18-JA-03
Sample Type: Soil

Date Extracted: 18-JA-03 Lab Sample Number: R654
Date Analyzed: 18-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	16	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Reeburg Johnson

Date: 19JA03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Richard Johnson Number of Pages; including cover sheet = 5
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in one batch
Sample Numbers R669 to R671 and COC.

Please call if you have any questions
Richard Johnson 608-358-2275

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB20191-010-R669
Date Collected: 20-JA-03
Sample Type: Soil

Date Extracted: 20-JA-03 Lab Sample Number: R669
Date Analyzed: 20-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	25	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson

Date: 21JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20009-026-R670
Date Collected: 20-JA-03
Sample Type: Soil

Date Extracted: 20-JA-03 Lab Sample Number: R670
Date Analyzed: 20-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	8.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson

Date: 20JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW468-002-R671
Date Collected: 20-JA-03
Sample Type: Soil

Date Extracted: 20-JA-03 Lab Sample Number: R671
Date Analyzed: 20-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	23	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Reathel Johnson
Date: 20JA03

Environmental Chemistry Consulting Services, Inc.

2825 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

No. 005163 *

ROLLOFFS BF1

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS MISS
Sampled By (Print): CHUCK PERL

Mail Report To:
Company: MARTIN & SCAGLE
Address:

P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	MAP/FBS7 # Comments	Laboratory Number
SP-RB 20191-010	20 JA 03	1602	S	1	NA	PCB 2	49816	R669
RS-RB 20009-026	↓	1605	↓	↓	↓	↓	49817	R670
RW A68-002	↓	1609	↓	↓	↓	↓	49818	R671
ROLLOFF DUPLICATE	↓	—	↓	↓	↓	↓		R672 ~~A~~ wrong # typo #03

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Chuck Perl	1/20/03 1605	R Johnson 20JA03	1605

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
Temp Blank Y N

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FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Richard Johnson Number of Pages; including cover sheet = 7
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in one batch
R672 TO R676 and the COC.

Please call if you have any questions
Richard Johnson 608-358-2275

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB20077-009-R672
Date Collected: 24-JA-03
Sample Type: Soil

Date Extracted: 24-JA-03 Lab Sample Number: R672
Date Analyzed: 24-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 25JA-03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB20279-013-R673
Date Collected: 24-JA-03
Sample Type: Soil

Date Extracted: 24-JA-03 Lab Sample Number: R673
Date Analyzed: 24-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2526 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 25JA03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB25017-022-R674
Date Collected: 24-JA-03
Sample Type: Soil

Date Extracted: 24-JA-03 Lab Sample Number: R674
Date Analyzed: 24-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 25 JAN 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20016-007-R675
Date Collected: 24-JA-03
Sample Type: Soil

Date Extracted: 24-JA-03 Lab Sample Number: R675
Date Analyzed: 25-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 25 JA 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20006-021-R676
Date Collected: 24-JA-03
Sample Type: Soil

Date Extracted: 24-JA-03 Lab Sample Number: R676
Date Analyzed: 25-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson

Date: 25 JA03

24JA03

Environmental Chemistry Consulting Services, Inc.

2825 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4888

CHAIN OF CUSTODY

ROLLOFFS

No. 005172 *

Page 1 of 1

Turn Around (circle one)	Normal Rush
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Project Number:	
Project Name:	KUHLMAN ELECTRIC
Project Location:	CRYSTAL SPRINGS MISS
Sampled By (Print):	CHUCK PEEL
Mail Report To:	
Company:	MARTIN + SCAGGS
Address:	

WPS# Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	MANIFEST # Comments	Laboratory Number
SP-RB20072-009	24JA03	1035	S	1	WA	PCB's	49819	R672
SP-RB20279-013		1041					49820	R673
ROLLOFF DUPLICATE		—					—	R673A
SP-RB25017-022		1534					49821	R674
RS-RB20016-007		1536					49822	R675
RS-RB20006-021		1541					49823	R676

*Preservation Code	Relinquished By:	Date/Time:	Received By:	Date/Time:
A=None B=HCL C=H2SO4	[signature]	1/24/03 1605	R Johnson 24JA03	1605
D=HNO3 E=EnCore F=Methanol	Relinquished By:	Date/Time:	Received By:	Date/Time:
G=NaOH O=Other(indicate)				

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Receipt Temp:
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FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Number of Pages; including cover sheet = 3

Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in one batch
R677 and the COC.

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: RS-RB20001-027-R677
Date Collected: 28-JA-03
Sample Type: Soil

Date Extracted: 28-JA-03 Lab Sample Number: R677
Date Analyzed: 28-JA-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 29JA03

(2[illegible]403)

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

No. 005175 *

Page 1 of 1

ROLLOFFS

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS MSS
Sampled By (Print): CHUCK PEEL

Mail Report To:
Company: MARTIN & SCAGGS
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BPX#	Laboratory Number
RS-RB20001-027	28JA03	1318	S	1	NA	PCBs	49524	R677
Rolloff Dupicate	28JA03	—	S	1	NA	PCBs		R677A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(indicate)

Relinquished By: [signature] Date/Time: 1/28/03 1800
Relinquished By: Date/Time:
Received By: [signature] Date/Time: 28JA03 18 00
Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
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RECEIVED
APR 06 2003

March 6, 2003

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 February. If you have any questions concerning this information, please give me a call.

Sincerely,

Kari-Ann Kilbain
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

March 6, 2003

To: Robert Martin
Martin Slagle Inc.

From: Richard Johnson RJ
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 samples collected from rolloff boxes during February 2003 an accelerated site investigation episode around the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi. Soil 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. A summary of duplicate analyses is provided in Table 2. A summary of method blanks, laboratory control samples and matrix spike/matrix spike duplicate data is provided in Table 3.

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

A) Chain of custody sheets for samples
B) Copy of analytical reports submitted to BFI via fax

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.

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 ranger.

2. All LCS recoveries were within acceptable ranges. See Table 3.

3. All MS/MSD recoveries were within acceptable ranges. Percent repeatability was also within acceptable ranges. See Table 3.

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. 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 February run sheets.

4. 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

Sample Results – February

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
SP-RB25322-014	R678	< 0.1	05-FE-03	945	05-FE-03	05-FE-03		
RS-RB20003-030	R679	< 0.1	05-FE-03	1102	05-FE-03	05-FE-03		
RS-RB20014-008	R680	40	10-FE-03	1608	10-FE-03	11-FE-03		
SP-RB26656-012	R681	15	10-FE-03	1610	10-FE-03	11-FE-03		
RW407-009	R682	33	10-FE-03	1612	10-FE-03	11-FE-03	939829	00320
RW822-006	R683	22	10-FE-03	1614	10-FE-03	11-FE-03		
RW2116-003	R684	47	10-FE-03	1616	10-FE-03	11-FE-03	939826	00317
SP-RB20248-015	R685	45	10-FE-03	1618	10-FE-03	11-FE-03	939827	00318
RS-RB20009-027	R686	5.5	10-FE-03	1619	10-FE-03	10-FE-03		
RW906-003	R687	46	10-FE-03	1622	10-FE-03	11-FE-03	939828	00319
RS-RB20013-009	R688	11	10-FE-03	1640	10-FE-03	10-FE-03		
SP-RB20191-011	R689	440	11-FE-03	1047	11-FE-03	11-FE-03	939830	00321
RW418-005	R690	43	11-FE-03	1050	11-FE-03	11-FE-03		
RW470-009	R691	49	11-FE-03	1204	11-FE-03	11-FE-03	939831	00322
SP-RB25322-015	R692	46	11-FE-03	1300	11-FE-03	11-FE-03	939832	00323
RW468-003	R693	63	11-FE-03	1355	11-FE-03	11-FE-03	939833	00324
SP-RB20077-010	R694	44	11-FE-03	1359	11-FE-03	11-FE-03		
SP-RB20279-014	R695	35	11-FE-03	1405	11-FE-03	11-FE-03		
RW958-008	R696	32	11-FE-03	1519	11-FE-03	11-FE-03		

Table 2

Duplicate Samples Results - February

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
Rolloff Duplicate	R678A	< 0.1	05-FE-03	-	05-FE-03	05-FE-03		
Rolloff Duplicate	R688A	50	10-FE-03	-	10-FE-03	11-FE-03		
Rolloff Duplicate	R690A	590	11-FE-03	-	11-FE-03	11-FE-03		

Table 3

QC Samples - February

Table 3

QC Results

Lab # associated with qc samples: R678 through R679

	Matrix Spike R678	Matrix Spike Duplicate R678	Blank 472	LCS 472
Date Analyzed:	2/5/03	2/5/03	2/5/03	2/5/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	99.0		99.8		-1%	< 0.10	102

Table 3

QC Results

Lab # associated with qc samples: R680 through R688A

	Matrix Spike R685	Matrix Spike Duplicate R685	Blank 474	LCS 474
Date Analyzed:	2/11/03	2/11/03	2/10/03	2/10/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	67.4		69.6		-3%	< 0.10	103

Table 3

QC Results

Lab # associated with qc samples: R689 through R696

	Matrix Spike E462	Matrix Spike Duplicate E462		Blank 475	LCS 475
Date Analyzed:	2/11/03	2/11/03		2/11/03	2/11/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	107		111		-4%	< 0.10	98.0

Appendix A

Chain of Custody Sheets for Samples

Rollifts

Environmental Chemistry Consulting Services, Inc.

2525 Advance Road Madison, WI 53718

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

CHAIN OF CUSTODY

05FE03

No. 005180 *

Page 1 of 1

Project Number:	
Project Name: KUHLMAN ELECTRIC	
Project Location: CRYSTAL SPRINGS, MISS	
Sampled By (Print): CHUCK PEEL	
Mail Report To:	
Company: MARTIN & SCAGLE	
Address:	
Turn Around (circle one) Normal Rush	
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.: Quote No.:	

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFI #	Laboratory Number
SP-RB25322-014	05FE03	0945	S	1	NA	PCBs	49825	R678
Rollioff Duplicate	↓	—	↓	↓	↓	↓	—	R678A
RS-RB20003-030	↓	1102	↓	↓	↓	↓	49826	R679

*Preservation Code

A=None B=HCL C=H2SO4

D=HNO3 E=EnCore F=Methanol

G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time: 2/5/03 1310	Received By:	Date/Time: 05FE03 13:10
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:

Temp Blank Y N

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

1KO110FF

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

10FE03

No. 005181 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peal

Mail Report To:
Company: MARTIN + SLAGLE
Address:

P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	CWA #	BFI # / Comments / MA017757 DOC #	Laboratory Number
RS-RB20014-008	10FE03	1608	S	1	NA	PCB's		49827	R680
SP-RB 26656-012		1610						49828	R681
RW407-009		1612					939829	00320	R682
RW822-006		1614						49829	R683
RW2116-003		1616					939826	00317	R684
SP-RB20248-015		1618					939827	00318	R685
RS-RB20009-027		1619						49830	R686
RW906-003		1622					939828	00319	R687
RS-RB20013-009		1640						49831	R688
ROLLOFF DUPLICATE		—							R688A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Chuck Peal — Date/Time: 2/10/03 1700 — Received By: R Olson 10FE03 — Date/Time: 1700

Relinquished By: — Date/Time: — Received By: — Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:
Temp Blank Y N

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

ROLLOFF

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

11FE03

No. 005189 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS MISS
Sampled By (Print): CHUCK PEEL

Mail Report To:
Company: MARTIN & SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested BFI #	CWHA #	Comments MANIFEST DOC #	Laboratory Number
SP-RB20191-011	11FE03	1047	S	1	NA	PCB 2F	939830	00321	R689
RW418-005		1050				49832			R690
ROLLOFF DUPLICATE		—							R690A
RW470-009		1204					939831	00322	R691
SP-RB25322-015		1300					939832	00323	R692
RW468-003		1355					939833	00324	R693
SP-RB20077-010		1359				49833			R694
SP-RB20279-014		1405				49834			R695
RW958-008	✓	1519	✓	✓	✓	49835			R696

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 2/11/03 1205
Received By: [signature] 11FE03 Date/Time: 1050 ~~1530~~
Relinquished By: Date/Time:
Received By: Date/Time: wrong

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp: 11FE03
Temp Blank Y N

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

Appendix B

Copy of Analytical Report Submitted to BFI via Fax

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

Date: **18-Feb-03**

From: Joe Kubale
With: Mobil Lab

Number of Pages; including cover sheet = 1

Comments: The following boxes went to Emelle:
R682,R684,R685,R687,R689,R691,R692,R693 and
R697 through R722

Please call if you have any questions

Joe Kubale 608-345-1974

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Richard Johnson
Joe Kubale
With: Mobil Lab

Number of Pages; including cover sheet = 6

Comments: I'm sending the reports in one batch
R690,R694 TO R696 Plus the COC.

Please call if you have any questions

Richard Johnson 608-358-2275

ROLLOFF

Environmental Chemistry Consulting Services, Inc.

2525 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4868

CHAIN OF CUSTODY

No. 005189 *

Page 1 of 1

11FB03

Project Number:	Mail Report To:
Project Name: KUHLMAN ELECTRIC	Company: MARTIN & SLAGLE
Project Location: CRYSTAL SPRINGS MISS	Address:
Sampled By (Print): CHUCK PEEL	

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BFI #	CWHA #	Comments	MANIFEST Doc #	Laboratory Number
SP-RB20191-011	11FB03	1047	S	1	NA	PCB 25		939830		00321	R689
RW418-005		1050					49832				R690
ROLLOFF DUPLICATE		—									R690A
RW470-009		1204						939831		00322	R691
SP-RB 25322-015		1360						939832		00323	R692
RW468-003		1355						939833		00324	R693
SP-RB 20077-010		1359					49833				R694
SP-RB 20279-014		1405					49834				R695
RW958-008		1519					49835				R696

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature]	Date/Time: 2/11/03 1205	Received By: [signature] 11FB03	Date/Time: 1050 ~~1530~~
Relinquished By:	Date/Time:	Received By:	Date/Time: wrong time

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp: Temp Blank Y N
Rd 11FB03

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

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW418-005-R690
Date Collected: 11-FE-03
Sample Type: Soil

Date Extracted: 11-FE-03 Lab Sample Number: R690
Date Analyzed: 11-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	43	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 11-FE03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW958-008-R696
Date Collected: 11-FE-03
Sample Type: Soil

Date Extracted: 11-FE-03 Lab Sample Number: R696
Date Analyzed: 11-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	32	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 12FE03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB20279-014-R695
Date Collected: 11-FE-03
Sample Type: Soil

Date Extracted: 11-FE-03 Lab Sample Number: R695
Date Analyzed: 11-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	35	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 12FE03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number: SP-RB20077-010-R694
Date Collected: 11-FE-03
Sample Type: Soil

Date Extracted: 11-FE-03 Lab Sample Number: R694
Date Analyzed: 11-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	44	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 12FE03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Richard Johnson Number of Pages; including cover sheet = 7
Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in one batch
R680,R681,R683,R686,R688 AND THE COC.

Please call if you have any questions
Richard Johnson 608-358-2275

1K011054

Environmental Chemistry Consulting Services, Inc.

2526 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

10FE03

No. 005181 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:

Project Number:	Mail Report To:
Project Name: KUHLMAN ELECTRIC	Company: MARTIN + SLAGLE
Project Location: CRYSTAL SPRINGS	Address:
Sampled By (Print): Chuck Peel	

Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	CWM#	BFI #	Comments	MA01#57 DOC #	Laboratory Number
RS-RB20014-008	10FE03	1608	S	1	NA	PCB's		49827			R680
SP-RB 26656-012		1610						49828			R681
RW407-009		1612					939829			00320	R682
RW822-006		1614						49829			R683
RW2416-003		1616					939826			00317	R684
SP-RB20248-015		1618					939827			00318	R685
RS-RB20009-027		1619						49830			R686
RW906-003		1622					939828			00319	R687
RS-RB20013-009		1640						49831			R688
ROLLOFF DUP HCLTB		—									R688A

*Preservation Code	Relinquished By:	Date/Time:	Received By:	Date/Time:
A=None B=HCL C=H2SO4	Chuck Peel	2/10/03 1700	R Olson 10FE03	1700
D=HNO3 E=EnCore F=Methanol	Relinquished By:	Date/Time:	Received By:	Date/Time:
G=NaOH O=Other(Indicate)				

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
Temp Blank Y N

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

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20014-008-R680
Date Collected: 10FE-03
Sample Type: Soil

Date Extracted: 10-FE-03 Lab Sample Number: R680
Date Analyzed: 11-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	40	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Robert Johnson
Date: 11 FE03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB26656-012-R681
Date Collected: 10-FE-03
Sample Type: Soil

Date Extracted: 10-FE-03 Lab Sample Number: R681
Date Analyzed: 10-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	15	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson

Date: 11 FE 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW822-006-R683
Date Collected: 10-FE-03
Sample Type: Soil

Date Extracted: 10-FE-03 Lab Sample Number: R683
Date Analyzed: 11-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	22	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 11 FE03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20009-027-R686
Date Collected: 10-FE-03
Sample Type: Soil

Date Extracted: 10-FE-03 Lab Sample Number: R686
Date Analyzed: 10-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	5.5	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: R Johnson
Date: 11 FE03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20013-009-R688
Date Collected: 10-FE-03
Sample Type: Soil

Date Extracted: 10-FE-03 Lab Sample Number: R688
Date Analyzed: 10-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	11	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard W Johnson
Date: 11 FEB 03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

From: Number of Pages; including cover sheet = 4

Joe Kubale
With: Mobil Lab

Comments: I'm sending the reports in one batch
R678 & R679 and the COC.

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number SP-RB25322-014-R678
Date Collected: 05-FE-03
Sample Type: Soil

Date Extracted: 05-FE-03 Lab Sample Number: R678
Date Analyzed: 05-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Kubal
Date: 05FE03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20003-030-R679
Date Collected: 05-FE-03
Sample Type: Soil

Date Extracted: 05-FE-03 Lab Sample Number: R679
Date Analyzed: 05-FE-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Hubel
Date: 05FE03

K011015

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

05FE03

No. 005180 *

Page 1 of 1

Turn Around (circle one)	Normal Rush
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Project Number:	
Project Name:	KUHLMAN ELECTRIC
Project Location:	CRYSTAL SPRINGS, MISS
Sampled By (Print):	CHUCK PEEL
Mail Report To:	
Company:	MARTIN ESCAGLE
Address:	

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments BFI #	Laboratory Number
SP-RB25322-014	05FE03	0945	S	1	NA	PCBs	49825	R678
Rolloff Duplicate	↓	—	↓	↓	↓	↓	—	R678A
RS-RB20003-030	↓	1102	↓	↓	↓	↓	49826	R679

*Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH O=Other(Indicate)	Relinquished By:	Date/Time: 2/5/03 1310	Received By:	Date/Time: 05FE03 13:10
	Relinquished By:	Date/Time:	Received By:	Date/Time:

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

RECEIVED
MAY 16 2003

Mar Roll-on

April 15, 2003

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 March. If you have any questions concerning this information, please give me a call.

Sincerely,

Kari-Ann Kjellman

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

April 15, 2003

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 samples collected from rolloff boxes during March 2003 an accelerated site investigation episode around the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi. Soil 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. A summary of duplicate analyses is provided in Table 2. A summary of method blanks, laboratory control samples and matrix spike/matrix spike duplicate data is provided in Table 3.

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

A) Chain of custody sheets for samples
B) Copy of analytical reports submitted to BFI via fax

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.

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 ranger.

2. All LCS recoveries were within acceptable ranges. See Table 3.

3. All MS/MSD recoveries were within acceptable ranges. Percent repeatability was also within acceptable ranges. See Table 3.

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. 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 verses 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.

4. 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 March run sheets.

5. 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

Sample Results – March

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
RS-RB20001-034	R903	< 0.10	26-MR-03	1430	26-MR-03	26-MR-03		
RS-RB20016-012	R904	0.10	26-MR-03	1434	26-MR-03	26-MR-03		
RS-RB20012-011	R905	0.26	26-MR-03	1439	26-MR-03	26-MR-03		
RS-RB20010-024	R906	< 0.10	26-MR-03	1445	26-MR-03	26-MR-03		
RS-RB20002-032	R907	< 0.10	28-MR-03	830	28-MR-03	28-MR-03		

Table 2

Duplicate Samples Results - March

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
Rolloff Duplicate	R906A	< 0.10	26-MR-03	-	26-MR-03	26-MR-03		
Rolloff Duplicate	R907A	< 0.10	28-MR-03	-	28-MR-03	28-MR-03		

Table 3

QC Samples - March

Table 3

QC Results

Lab # associated with qc samples: R903 through R906A

	Matrix Spike R903	Matrix Spike Duplicate R903		Blank 499	LCS 499
Date Analyzed:	3/26/03	3/26/03		3/26/03	3/26/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	102		103		-1%	< 0.10	95.6

Table 3

QC Results

Lab # associated with qc samples: R907 through R907A

	Matrix Spike R907	Matrix Spike Duplicate R907		Blank 500	LCS 500
Date Analyzed:	3/28/03	3/28/03		3/28/03	3/28/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	110		109		1%	< 0.10	105

Appendix A

Chain of Custody Sheets for Samples

ROLLOFFS

26MR03

Environmental Chemistry Consulting Services, Inc.

2525 Advance Road Madison, WI 53718

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

CHAIN OF CUSTODY

No. 005279 *

Page 1 of 1

Turn Around (circle one) Normal Rush

Report Due:

Invoice To:

Company:

Address:

P.O. No.: Quote No.:

Project Number:

Project Name: KOHLMAN ELECTRIC

Project Location: CRYSTAL SPRINGS MISS

Sampled By (Print): CHUCK PRBL

Mail Report To:

Company: MARTIN & SCHAGER

Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	ALLIED MAIL RESULT # Comments	Laboratory Number
RS-RB 20001-034	26 Mr 03	1430	S	1	NA	PCB's	49836	R903
RS-RB 20016-012		1434					49837	R904
RS-RB 20012-011		1439					49838	R905
RS-RB 20010-024		1445					49839	R906
ROLLOFF DUP		—						R906A

*Preservation Code

A=None B=HCL C=H2SO4

D=HNO3 E=EnCore F=Methanol

G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	3/26/03 1502	[signature] 26MR03	1502
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:

Temp Blank Y N

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

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

ROLLOFFS

CHAIN OF CUSTODY

No. 005280

Page 1 of 1

28 07R03

Project Number:		Mail Report To:	Turn Around (circle one): Normal Rush
Project Name: KUHLMAN ELECTRIC		Company: MARTIN SCAGLE	Report Due:
Project Location: CRYSTAL SPRINGS MISS		Address:	Invoice To:
Sampled By (Print): CAUCK-PEEC			Company:
			Address:
			P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BTI MANIFEST # Comments	Laboratory Number
RS-RB 20002-032	28 Mar 03	0830	S	1	NA	PCB	49840	R907
ROLLOFF DUPLICATE	✓	—	✓	✓	✓	✓		R907A

*Preservation Code	Relinquished By:	Date/Time:	Received By:	Date/Time:
A=None B=HCL C=H2SO4	[signature]	3/28/03 0960	[signature] 28 07R03	0900
D=HNO3 E=EnCore F=Methanol	Relinquished By:	Date/Time:	Received By:	Date/Time:
G=NaOH O=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

Appendix B

Copy of Analytical Report Submitted to BFI via Fax

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20001-034-R903
Date Collected: 26-MR-03
Sample Type: Soil

Date Extracted: 26-MR-03 Lab Sample Number: R903
Date Analyzed: 26-MR-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson

Date: 27 MR 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20016-012-R904
Date Collected: 26-MR-03
Sample Type: Soil

Date Extracted: 26-MR-03 Lab Sample Number: R904
Date Analyzed: 26-MR-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.10	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 27 07 R03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20012-011-R905
Date Collected: 26-MR-03
Sample Type: Soil

Date Extracted: 26-MR-03 Lab Sample Number: R905
Date Analyzed: 26-MR-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.26	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard W Johnson
Date: 27 MR 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20010-024-R906
Date Collected: 26-MR-03
Sample Type: Soil

Date Extracted: 26-MR-03 Lab Sample Number: R906
Date Analyzed: 26-MR-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson

Date: 27 MR 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20002-032-R907
Date Collected: 28-MR-03
Sample Type: Soil

Date Extracted: 28-MR-03 Lab Sample Number: R907
Date Analyzed: 28-MR-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Richard Johnson
Date: 28 07 R03

RECEIVED
MAY 16 2003

May 8, 2003

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 April. If you have any questions concerning this information, please give me a call.

Sincerely,

Kari-Ann Kelbien
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

May 8, 2003

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

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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:

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2. All LCS recoveries were within acceptable ranges. See Table 3.

3. All MS/MSD recoveries were within acceptable ranges. Percent repeatability was also within acceptable ranges. See Table 3.

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.

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4. 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 April run sheets.

4. 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

Sample Results – April

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
RS-RB20003-035	R969	0.19	03-AP-03	922	03-AP-03	03-AP-03		

Table 2

Duplicate Samples Results - April

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
Rolloff Duplicate	R969A	0.23	03-AP-03	-	03-AP-03	03-AP-03		

Table 3

QC Samples - April

Table 3

QC Results

Lab # associated with qc samples: R969 through R969A

	Matrix Spike E792	Matrix Spike Duplicate E792		Blank 508	LCS 508
Date Analyzed:	4/3/03	4/3/03		4/3/03	4/3/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	108		110		-2%	< 0.10	116

Appendix A

Chain of Custody Sheets for Samples

Rolloffs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

03APO3

No. 005300 *

Page 1 of 1

Turn Around (circle one) Normal Rush

Report Due:

Project Number:

Project Name: KUHLMAN ELECTRIC

Project Location: CRYSTAL SPRINGS

Sampled By (Print): Chuck Peel

Mail Report To:

Company: MARTINI SLAGLE

Address:

Invoice To:

Company:

Address:

P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BFI # Comments	Laboratory Number
RS-RB20003-035	03APO3	0922	S	1	NA	PCBs	49941	R969
Rolloff Dup	03APO3	—	S	1	NA	PCBs		R969A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4/3/03 1200	[signature]	03APO3 12:02
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:

Temp Blank Y N

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

Appendix B

Copy of Analytical Report Submitted to BFI via Fax

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

Date: **3-Apr-03**

From: Number of Pages; including cover sheet = 3

Joe Kubale
With: Mobil Lab

Comments: The following boxes went to Emelle:
R908 through R968

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20003-035-R969
Date Collected: 03-AP-03
Sample Type: Soil

Date Extracted: 03-AP-03 Lab Sample Number: R969
Date Analyzed: 03-AP-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.19	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:
Date: 03AP03

Rolloffs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

03APO3

No. 005300 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: RUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peel

Mail Report To:
Company: MARTINO SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BFI #	Comments	Laboratory Number
RS-RB20003-035	03APO3	0922	S	1	NA	PCBs	49941		R969
Rolloff Dup	03APO3	—	S	1	NA	PCBs			R969A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 4/3/03 1200
Relinquished By: Date/Time:
Received By: [signature] Date/Time: 03APO3 12:02
Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
Temp Blank Y N

RECEIVED
JUL 07 2003

June 23, 2003

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 May. 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

TECHNICAL MEMORANDUM

June 23, 2003

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Martin Slagle Inc.

From: Richard Johnson
ECCS, Inc.

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1. All surrogate recoveries were within acceptable ranger.

2. All LCS recoveries were within acceptable ranges. See Table 3.

3. All MS/MSD recoveries were within acceptable ranges. Percent repeatability was also within acceptable ranges. See Table 3.

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. 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 verses 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.

4. 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 May run sheets.

4. 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

Sample Results – May

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
RW407-019	R1258	0.48	19-MY-03	1600	19-MY-03	19-MY-03		
RW438-007	R1259	0.20	19-MY-03	1602	19-MY-03	19-MY-03		
RW773-008	R1260	0.41	20-MY-03	1330	20-MY-03	20-MY-03		
RW333-011	R1261	0.86	20-MY-03	1334	20-MY-03	20-MY-03		
RW2145-004	R1262	7.4	22-MY-03	1230	22-MY-03	22-MY-03		
RW332-004	R1263	1.9	22-MY-03	1234	22-MY-03	22-MY-03		
RW2532-008	R1264	36	22-MY-03	1410	22-MY-03	22-MY-03		
RW2534-006	R1265	1.9	23-MY-03	1422	23-MY-03	23-MY-03		
RW471-012	R1266	2.3	23-MY-03	1424	23-MY-03	23-MY-03		
RS-RB20028-007	R1267	3.2	27-MY-03	1627	27-MY-03	27-MY-03		
RW963-009	R1268	2.9	27-MY-03	1625	27-MY-03	27-MY-03		
RW2603-007	R1269	0.94	27-MY-03	1629	27-MY-03	27-MY-03		
RS-RB20006-033	R1270	2.9	27-MY-03	1632	27-MY-03	27-MY-03		
RW457-014	R1271	0.26	27-MY-03	1815	27-MY-03	27-MY-03		

Table 2

Duplicate Samples Results - May

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
Rolloff Duplicate	R1259A	0.47	19-MY-03	-	19-MY-03	19-MY-03		
Rolloff Duplicate	R1261A	0.36	20-MY-03	-	20-MY-03	20-MY-03		
Rolloff Duplicate	R1263A	13	22-MY-03	-	22-MY-03	22-MY-03		
Rolloff Duplicate	R1270A	3.0	27-MY-03	-	27-MY-03	27-MY-03		

Table 3

QC Samples - May

Table 3

QC Results

Lab # associated with qc samples: R1258 through R1259A

	Matrix Spike C1	Matrix Spike Duplicate C1		Blank 531	LCS 531
Date Analyzed:	5/19/03	5/19/03		5/19/03	5/19/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	100		102		-2%	< 0.10	109

Table 3

QC Results

Lab # associated with qc samples: R1260 through R1261A

	Matrix Spike C6	Matrix Spike Duplicate C6	Blank 532	LCS 532
Date Analyzed:	5/20/03	5/20/03	5/20/03	5/20/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	105		98.5		6%	< 0.10	89.7

Table 3

QC Results

Lab # associated with qc samples: R1262 through R1264

	Matrix Spike C11	Matrix Spike Duplicate C11	Blank 533	LCS 533
Date Analyzed:	5/22/03	5/22/03	5/22/03	5/22/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	97.9		114		-15%	< 0.10	101

Table 3

QC Results

Lab # associated with qc samples: R1265 through R1266

	Matrix Spike C16	Matrix Spike Duplicate C16	Blank 534	LCS 534
Date Analyzed:	5/23/03	5/23/03	5/23/03	5/23/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	106		104		2%	< 0.10	102

Table 3

QC Results

Lab # associated with qc samples: R1267 through R1271

	Matrix Spike C21	Matrix Spike Duplicate C21	Blank 535	LCS 535
Date Analyzed:	5/27/03	5/27/03	5/27/03	5/27/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	93.8		92.4		2%	< 0.10	90.8

Appendix A

Chain of Custody Sheets for Samples

Rolloffs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

19MY03

No. 005501 *

Page 1 of 1

Project Number:	
Project Name:	KUHLMAN ELECTRIC
Project Location:	CRYSTAL SPRINGS
Sampled By (Print):	Chuck Paul
Mail Report To:	
Company:	MARTIN + SLAGLE
Address:	
Turn Around (circle one)	Normal Rush
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Allied #	Comments	Laboratory Number
RW407-019	19MY03	1600	S	1	NA	PCBs	49842		R1258
RW438-007	19MY03	1602	S	1	NA	PCBs	49843		R1259
Rolloff Duplicate	19MY03	—	S	1	NA	PCBs			R1259A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Chuck Paul	5/19/03 1810	[illegible signature]	19MY03 18:10
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #s

Shipped Via:

Receipt Temp:

Temp Blank Y N

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

Rolloffs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

20 M 4 03

No. 005504 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

F.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peel

Mail Report To:
Company: MARTIN + SLACLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BFI # Comments	Laboratory Number
RW 773-008	20M4 03	1330	S	1	NA	PCBs	49944	R1260
RW 333-011	↓	1334	↓	↓	↓	↓	49946	R1261
Rolloff Duplicate	↓	—	↓	↓	↓	↓		R1261A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 5/20/03 1400
Received By: [signature] Date/Time: 20M4 03 1400

Relinquished By: Date/Time:
Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
Temp Blank Y N

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Rollofs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

22M403

No. 005505 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS
Sampled By (Print): Chuck Peel

Mail Report To:
Company: MARTIN + SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BFI# Comments	Laboratory Number
RW2145-004	22M403	1230	S	1	NA	PCBs	49847	R1262
RW332-004	↓	1234	↓	↓	↓	↓	49848	R1263
Rolloff Duplicate	↓	—	↓	↓	↓	↓		R1263A
RW2532-008	↓	1410	↓	↓	↓	↓	49849	R1264

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Chuck Peel
Date/Time: 5/22/03 1300
Received By: [signature]
Date/Time: 22M403 1300

Relinquished By:
Date/Time:
Received By:
Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:
Receipt Temp:
Temp Blank Y N

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Ruffs

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CHAIN OF CUSTODY

23M403

No. 005512 *

Page 1 of 1

Turn Around (circle one) Normal Rush

Report Due:

Invoice To:

Company:

Address:

P.O. No.: Quote No.:

Project Number:

Project Name: KUHLMAN ELECTRIC

Project Location: CRYSTAL SPRINGS

Sampled By (Print): Chuck Pul

Mail Report To:

Company: MARTIN + SLAGLE

Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BFI # Comments	Laboratory Number
RW2534-006	23M403	1422	S	1	NA	PCBs	49850	R1265
RW471-012	23M403	1424	S	1	NA	PCBs	49851	R1266

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Chuck Pul Date/Time: 5/23/23 1800

Received By: Joseph Schubel Date/Time: 23M403 15:00

Relinquished By: Date/Time:

Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:

Temp Blank Y N

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

14 rolloffs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

27 May 03

No. 005506 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

P.O. No.: Quote No.:

Project Number:
Project Name: Kuhlman Electric
Project Location: Crystal Springs
Sampled By (Print): Chuck Poor

Mail Report To:
Company: Martin Stables
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BFI # Comments	Laboratory Number
RS-RB20028-007	27May03	1627	S	1	NA	PCB's	49852	R1267
RW 963-009		1625					49853	R1268
RW2603-007		1629					49854	R1269
RS RB2000L-033		1632					49855	R1270
Rolloff Duplicate		—						R1270A
RW 457.014		1815					49856	R1271

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 5/27/03 1820 Received By: [signature] Date/Time: 5/27/03 18:20

Relinquished By: Date/Time: Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via: Receipt Temp: Temp Blank Y N

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

Appendix B

Copy of Analytical Report Submitted to BFI via Fax

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

Date: **06-MY-03**

From: Richard Johnson Number of Pages; including cover sheet = 2
Joe Kubale
With: Mobil Lab

Comments: Here a copy of the report you are missing.

Please call if you have any questions
Richard Jo 608-358-2275

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20003-035-R969
Date Collected: 03-AP-03
Sample Type: Soil

Date Extracted: 03-AP-03 Lab Sample Number: R969
Date Analyzed: 03-AP-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.19	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: R Johnson
Date: 6 04 03

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

Date: **20-May-03**

From: Number of Pages; including cover sheet = 4
Joe Kubale
With: Mobil Lab

Comments: The following boxes went to Emelle:
R970 through R1257

The last time I sent you a report was april 3.

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW407-019-R1258
Date Collected: 19-MY-03
Sample Type: Soil

Date Extracted: 19-MY-03 Lab Sample Number: R1258
Date Analyzed: 19-MY-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.48	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 28 MY 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW438-007-R1259
Date Collected: 19-MY-03
Sample Type: Soil

Date Extracted: 19-MY-03 Lab Sample Number: R1259
Date Analyzed: 19-MY-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.20	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Jaubal
Date: 2004 03

Kleiffs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

19M403

No. 005501

Page 1 of 1

Turn Around (circle one) Normal Rush

Report Due:

Invoice To:

Company:

Address:

P.O. No.: Quote No.:

Project Number:

Project Name: KUHLMAN ELECTRIC

Project Location: CRYSTAL SPRINGS

Sampled By (Print): Chuck Paul

Mail Report To:

Company: MARTIN + SLAGLE

Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Allied # Comments	Laboratory Number
RW407-019	19M403	1600	S	1	NA	PCBs	49842	R1258
RW438-007	19M403	1602	S	1	NA	PCBs	49843	R1259
Rollff Duplicate	19M403	—	S	1	NA	PCBs		R1259A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Chuck Paul
Date/Time: 3/19/03 1810
Received By: [signature]
Date/Time: 19M403 1810

Relinquished By:
Date/Time:
Received By:
Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:
Temp Blank Y N

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

Date: **21-May-03**

From: Joe Kubale
With: Mobil Lab

Number of Pages; including cover sheet = 4

Comments: Included are reports for R1260 & R1261 and the COC

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW773-008-R1260
Date Collected: 20-MY-03
Sample Type: Soil

Date Extracted: 20-MY-03 Lab Sample Number: R1260
Date Analyzed: 20-MY-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.41	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 21 MY 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW333-011-R1261
Date Collected: 20-MY-03
Sample Type: Soil

Date Extracted: 20-MY-03 Lab Sample Number: R1261
Date Analyzed: 20-MY-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.86	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Hubel

Date: 21 MY 03

Rolloffs

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

20M403

No. 005504 *

Page 1 of 1

Turn Around (circle one) Normal Rush

Report Due:

Invoice To:

Company:

Address:

P.O. No.: Quote No.:

Project Number:

Project Name: KUHLMAN ELECTRIC

Project Location: CRYSTAL SPRINGS

Sampled By (Print): Chuck Pul

Mail Report To:

Company: MARTIN & SLACLE

Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BFI # Comments	Laboratory Number
RW 773-008	20M403	1330	S	1	NA	PCB,	49844	R1260
RW 333-011	↓	1334	↓	↓	↓	↓	49846	R1261
Rolloff Duplicate	↓	—	↓	↓	↓	↓		R1261A

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 5/20/03 1400 Received By: [signature] Date/Time: 20M403 1400

Relinquished By: Date/Time: Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:

Temp Blank Y N

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

Date: **22-May-03**

From: Number of Pages; including cover sheet = 5
Joe Kubale
With: Mobil Lab

Comments: Included are reports for R1262, R1263 & R1264
and the COC

Please call if you have any questions
Joe Kubale 608-345-1974

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW2145-004-R1262
Date Collected: 22-MY-03
Sample Type: Soil

Date Extracted: 22-MY-03 Lab Sample Number: R1262
Date Analyzed: 22-MY-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 5

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.50	7.4	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Hurbel
Date: 22 MY 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW332-004-R1263
Date Collected: 22-MY-03
Sample Type: Soil

Date Extracted: 22-MY-03 Lab Sample Number: R1263
Date Analyzed: 22-MY-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Arocior 1260	0.10	1.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 22 MY 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW2532-008-R1264
Date Collected: 22-MY-03
Sample Type: Soil

Date Extracted: 22-MY-03 Lab Sample Number: R1264
Date Analyzed: 22-MY-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 10

Compound	Reporting Limit	Sample Result	
Aroclor 1260	1.00	36	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Faubel
Date: 22 MY 03

Roll off

Environmental Chemistry Consulting Services, Inc.

CHAIN OF CUSTODY

No. 005505

Page 1 of 1

22M403

2526 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

Turn Around (circle one) Normal Rush

Report Due:

Project Number:

Project Name: KUHLMAN ELECTRIC

Project Location: CRYSTAL SPRINGS

Sampled By (Print): Chuck Peel

Mail Report To:

Company: MARTIN + SLAGLE

Address:

Invoice To:

Company:

Address:

P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BBI# Comments	Laboratory Number
RW2145-004	22M403	1230	S	1	NA	PCBs	49847	R1262
RW332-004	↓	1234	↓	↓	↓	↓	49848	R1263
Roll off Duplicate	↓	—	↓	↓	↓	↓		R1263A
RW2532-008	↓	1410	↓	↓	↓	↓	49849	R1264

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Charles Peel	5/22/03 1300	Joseph Kubal	22M403 1300
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:

Temp Blank Y N

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

Date: **23-May-03**

From: Joe Kubale
With: Mobil Lab

Number of Pages; including cover sheet = 4

Comments: Included are reports for R1265 & R1266 and the COC

Please call if you have any questions
Joe Kubale 608-345-1974

Only 3 pages went through the 1st time

Resent all again

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW471-012-R1266
Date Collected: 23-MY-03
Sample Type: Soil

Date Extracted: 23-MY-03 Lab Sample Number: R1266
Date Analyzed: 23-MY-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	2.3	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 23 MY 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW2534-006-R1265
Date Collected: 23-MY-03
Sample Type: Soil

Date Extracted: 23-MY-03 Lab Sample Number: R1265
Date Analyzed: 23-MY-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	1.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by: Joseph Gantcher
Date: 23 May 03

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

23M403

No. 005512 *

Page 1 of 1

Project Number:		Mail Report To:	
Project Name:	KUHLMAN ELECTRIC	Company:	MARTIN - SLAGLE
Project Location:	CRYSTAL SPRINGS	Address:	
Sampled By (Print):	Chuck Peel		

Turn Around (circle one)	Normal Rush
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BFI # Comments	Laboratory Number
RW2534-006	23M403	1422	S	1	NA	PCBs	49850	R1265
RW471-012	23M403	1424	S	1	NA	PCBs	49851	R1266

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Chuck Peel	Date/Time: 5/23/03 1800	Received By: Joseph Hubal	Date/Time: 23M403 1500
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:
Temp Blank Y N

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

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

Date: **27-May-03**

From: Number of Pages; including cover sheet = 7
Jim Grisamore
With: Mobil Lab

Comments: Included are reports for R1267 thru R1270
and the COC.

Please call if you have any questions
Jim Grisamore 608-358-1118

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20028-007-R1267
Date Collected: 27-May-03
Sample Type: Soil

Date Extracted: 27-May-03 Lab Sample Number: R1267
Date Analyzed: 27-May-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	3.2	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 28 MAY 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW963-009-R1268
Date Collected: 27-May-03
Sample Type: Soil

Date Extracted: 27-May-03
Date Analyzed: 27-May-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Lab Sample Number: R1268

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	2.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 28/MAY/03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW2603-007-R1269
Date Collected: 27-May-03
Sample Type: Soil

Date Extracted: 27-May-03
Date Analyzed: 27-May-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Lab Sample Number: R1269

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.94	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 28 May 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20006-003-R1270
Date Collected: 27-May-03
Sample Type: Soil

Date Extracted: 27-May-03 Lab Sample Number: R1270
Date Analyzed: 27-May-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	2.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 28 May 03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RW457-014-R1271
Date Collected: 27-May-03
Sample Type: Soil

Date Extracted: 27-May-03 Lab Sample Number: R1271
Date Analyzed: 27-May-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	2.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2526 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 28 MAY 03

Environmental Chemistry Consulting Services, Inc.
2526 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4888

CHAIN OF CUSTODY

No. 005506

27 May 03

Page ____ of ____

Turn Around (circle one)	Normal Rush
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Project Number:	Mail Report To:
Project Name: KUHLMAN ELECTRIC	Company: MARTIN & SLABS
Project Location: CRYSTAL SPRINGS	Address:
Sampled By (Print): CHUCK POOR	

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	BFI # Comments	Laboratory Number
RS-RB20028-007	27MAY03	1627	S	1	NA	PCB's	49852	R1267
RW 963-009		1625					49853	R1268
RW2603-007		1629					49854	R1269
RS RB20006-033		1632					49855	R1270
Rolloff Duplicate		—						R1270A
RW 457.014		1815					49856	R1271

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time: 5/27/03 1820	Received By:	Date/Time: 5/27/03 18:20
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Receipt Temp:
Temp Blank Y N

Shipped Via:

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

RECEIVED
AUG 21 2003

August 7, 2003

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 Kjellman
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 7, 2003

To: Robert Martin
Martin Slagle Inc.

From: Richard Johnson RAK for
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 samples collected from rolloff boxes during July 2003 an accelerated site investigation episode around the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi. Soil 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. A summary of method blanks, laboratory control samples and matrix spike/matrix spike duplicate data is provided in Table 2.

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

A) Chain of custody sheets for samples
B) Copy of analytical reports submitted to BFI via fax

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.

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 ranger.

2. All LCS recoveries were within acceptable ranges. See Table 2.

3. All MS/MSD recoveries were within acceptable ranges. Percent repeatability was also within acceptable ranges. See Table 2.

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. 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 verses 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.

4. 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.

4. 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

Sample Results – July

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

BOX #	LAB #	Result mg/kg	Collection Date	Collection Time	Date Extracted	Date Analyzed	WM Manifest #	Doc #
RS-RB20011-017	R1540	1.9	29-JL-03	1510	29-JL-03	30-JL-03		
RS-RB20004-039	R1541	< 0.10	29-JL-03	1513	29-JL-03	30-JL-03		
RS-RB20024-011	R1542	< 0.10	30-JL-03	1900	30-JL-03	31-JL-03		
RS-RB20025-011	R1543	< 0.10	30-JL-03	1902	30-JL-03	31-JL-03		
RS-RB20019-017	R1544	0.72	30-JL-03	1903	30-JL-03	31-JL-03		

Table 2

QC Samples - July

Table 2

QC Results

Lab # associated with qc samples: R1540 through R1541

	Matrix Spike E1196	Matrix Spike Duplicate E1196		Blank 573	LCS 573
Date Analyzed:	7/30/03	7/30/03		7/29/03	7/29/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	93.9		95.2		-1%	< 0.10	89.1

Table 2

QC Results

Lab # associated with qc samples: R1542 through R1544

	Matrix Spike E1204	Matrix Spike Duplicate E1204		Blank 577	LCS 577
Date Analyzed:	7/31/03	7/31/03		7/31/03	7/31/03

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	106		113		-6%	< 0.10	85.7

Appendix A

Chain of Custody Sheets for Samples

(9J203)

Environmental Chemistry Consulting Services, Inc.

CHAIN OF CUSTODY

No. 006644

Roll off.

Page 1 of 1

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

Project Number:	Mail Report To:	Turn Around (circle one) Normal Rush
Project Name: KUHLMAN ELECTRIC	Company: MARTIN & SLAGLE	Report Due:
Project Location: CRYSTAL SPRINGS, MS	Address:	Invoice To:
Sampled By (Print): CHUCK POOL		Company:
		Address:
		P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
RS-RB20011-017	29 Jul 03	1510	S	1	N/A	PCB'S	#49858	R1540
RS-RB20004-039	↓	1513	S	1	N/A	PCB'S	#49859	R1541

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	7/29/03 1515	[signature]	29 Jul 03 1518
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via:

Receipt Temp:

Temp Blank Y N

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

RC OFFS

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

30JL03

No. 006651 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:

P.O. No.: Quote No.:

Project Number:
Project Name: KUKMAN ELECTRIC
Project Location: CRYSTAL SPRINGS, MS
Sampled By (Print): CHUCK PRIL

Mail Report To:
Company: MARTIN & SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
RS-RB 20024-011	30JL03	1900	S	1	HA	PCBs	# 49860	R1542
RS-RB 20025-011	1	1902	1	1	1	1	# 49862	R1543
RS-RB 20019-017	1	1903	1	1	1	1	# 49863	R1544

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 7/30/03 2000 Received By: [signature] Date/Time: 7/30/03 20012

Relinquished By: Date/Time: Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:

Receipt Temp:
Temp Blank Y N

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

Appendix B

Copy of Analytical Report Submitted to BFI via Fax

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

Date: **23-May-03**

From: Jim Grisamore Number of Pages; including cover sheet = 4

With: Mobil Lab

Comments: Included are reports for R1540 & R1541 and the COC

Please call if you have any questions
Jim Grisamore 608-358-1118

SORRY, PUT THOSE SHEETS IN UPSIDE DOWN
JG

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20011-017-R1540
Date Collected: 29-JL-03
Sample Type: Soil

Date Extracted: 29-JL-03 Lab Sample Number: R1540
Date Analyzed: 30-JL-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	1.9	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 30JUL03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20004-039-R1541
Date Collected: 29-JL-03
Sample Type: Soil

Date Extracted: 29-JL-03 Lab Sample Number: R1541
Date Analyzed: 30-JL-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.10	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 30 JUL 03

JL03

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

Roll off.

No. 006644 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:
Invoice To:
Company:
Address:
P.O. No.: Quote No.:

Project Number:
Project Name: KUHLMAN ELECTRIC
Project Location: CRYSTAL SPRINGS, MS
Sampled By (Print): CHUCK POOL

Mail Report To:
Company: MARTIN & SLAGLE
Address:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
RS-RB20011-017	29 JL03	1510	S	1	N/A	PCB'S	#49858	R1540
RS-RB20004-039	↓	1513	S	1	N/A	PCB'S	#49859	R1541

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: [signature] Date/Time: 7/29/03 1515
Received By: [signature] Date/Time: 29 JL 03 1518
Relinquished By: Date/Time:
Received By: Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Receipt Temp:
Temp Blank Y N

FAX COVER PAGE

To: **Kathy Avis**
With: **BFI** FAX# 662-332-3837

Date: **1-Aug-03**

From: Jim Grisamore Number of Pages; including cover sheet = 5

With: Mobil Lab

Comments: Included are reports for R1542 to R1544
and the COC

Please call if you have any questions
Jim Grisamore 608-358-1118

SORRY FOR THE
SLIP UP

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20024-011-R1542
Date Collected: 30-JL-03
Sample Type: Soil

Date Extracted: 30-JL-03 Lab Sample Number: R1542
Date Analyzed: 31-JL-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 8/4/03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20025-011-R1543
Date Collected: 30-JL-03
Sample Type: Soil

Date Extracted: 30-JL-03 Lab Sample Number: R1543
Date Analyzed: 31-JL-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	< 0.1	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 8/4/03

Summary of Test Results

Project Name: Kuhlman Electric
Project Location: Crystal Spings, Ms.
Rolloff Box Number RS-RB20019-017-R1544
Date Collected: 30-JL-03
Sample Type: Soil

Date Extracted: 30-JL-03 Lab Sample Number: R1544
Date Analyzed: 31-JL-03
Concentration: mg/kg, as is basis
Sample Weight (g): 4.0
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	
Aroclor 1260	0.10	0.72	mg/kg

ECCS SOP: Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure

E.C.C.S.
2525 Advance Road
Madison, WI 53718
Phone: (608)221-8700
Fax: (608)221-4889

Approved by:

Date: 8/4/03

ROLLOFFS

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

30JL03

No. 006651 *

Page 1 of 1

Turn Around (circle one)	Normal Rush
Report Due:	
Invoice To:	
Company:	
Address:	
P.O. No.:	Quote No.:

Project Number:	
Project Name:	KIRKMAN BOLTELL
Project Location:	CRYSTAL SPRINGS, MS
Sampled By (Print)	CHUCK PRIL

Mail Report To:	
Company:	MARTIN & SLAGLE
Address:	

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
RS-RB 20024-011	30JL03	1900	S	1	N/A	PCBs	# 49860	R1542
RS-RB 20025-011		1902					# 49862	R1543
RS-RB 20019-017		1903					# 49863	R1544

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time: 7/30/03 2000	Received By:	Date/Time: 7/30/03 20002
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s Receipt Temp: