

August 7, 2007

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

Dear Mr. Martin,

Enclosed is the Technical Memorandum for VOC work recently performed at the Kuhlman Electric Corporation (KEC) facility in Crystal Springs, MS. If you have any questions concerning this information, give me a call.

Sincerely,

Kari-Ann Gillian

for Joseph Kubale

Enclosure

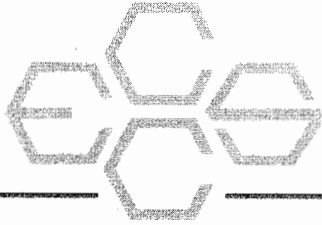
Environmental Chemistry Consulting Services, Inc.

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Technical Memorandum

Kuhlman Electric Corporation (KEC)

Crystal Springs, Mississippi



TECHNICAL MEMORANDUM

August 7, 2007

To: Robert Martin
Martin and Slagle

From: Joseph Kubale *JK*
ECCS

Re: Field Analytical Methods
Volatile Organic Compounds (VOC) , 1,4-Dioxane
Chlorinated Benzenes
Kuhlman Electric Corporation (KEC)
Crystal Springs, MS

Introduction

This Technical Memorandum provides documentation of the field analytical test methods used to analyze well water samples collected in July and August 2007 near the Kuhlman Electric Corporation (KEC) facility in Crystal Springs, MS. The samples were analyzed by purge and trap GC/MSD for the VOCs listed below, by direct injection GC/MSD/SIM for 1,4-Dioxane and by gas chromatography (GC) and chlorinated benzenes by gas chromatography (GC) in accordance with ECCS's Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure.

Narrative

Waters

Water samples were analyzed for VOCs directly by purge and trap GC/MSD and for 1,4-Dioxane by direct injection GC/MSD/SIM.

The following report limits were used for water samples. The reporting limit units are in ug/L.

	Purge and Trap GC/MSD
Dichlorodifluoromethane	1.0
Chloromethane	1.0
Vinyl chloride	1.0

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Purge and Trap GC/MSD

Bromomethane	1.0
Chloroethane	1.0
Trichlorofluoromethane	1.0
1,1-Dichloroethene	1.0
Methylene chloride	1.0
trans-1,2-Dichloroethene	1.0
1,1-Dichloroethane	1.0
cis-1,2-Dichloroethene	1.0
2,2-Dichloropropane	1.0
Bromochloromethane	1.0
Chloroform	1.0
1,1,1-Trichloroethane	1.0
1,1-Dichloropropene	1.0
Carbon tetrachloride	1.0
Benzene	1.0
1,2-Dichloroethane	1.0
Trichloroethene	1.0
1,2-Dichloropropane	1.0
Dibromomethane	1.0
Bromodichloromethane	1.0
cis-1,3-Dichloropropene	1.0
Toluene	1.0
trans-1,3-Dichloropropene	1.0
1,1,2-Trichloroethane	1.0
Tetrachloroethene	1.0
1,3-Dichloropropane	2.0
Dibromochloromethane	1.0
1,2-Dibromoethane	1.0
Chlorobenzene	1.0
1,1,1,2-Tetrachloroethane	1.0
Ethyl benzene	1.0
Xylenes, total	2.0
Styrene	1.0
Bromoform	2.0
Isopropylbenzene	1.0
1,1,2,2-Tetrachloroethane	2.0
Bromobenzene	1.0
1,2,3-Trichloropropane	2.0
n-Propylbenzene	1.0
2-Chlorotoluene	1.0
1,3,5-Trimethylbenzene	1.0
4-Chlorotoluene	1.0
tert-Butylbenzene	1.0
1,2,4-Trimethylbenzene	1.0
sec-Butylbenzene	1.0
1,3-Dichlorobenzene	1.0
p-Isopropyltoluene	1.0
1,4-Dichlorobenzene	1.0
n-Butylbenzene	1.0
1,2-Dichlorobenzene	1.0
1,2-Dibromo-3-chloropropane	2.0

	Purge and Trap GC/MSD
1,3,5-Trichlorobenzene	1.0
1,2,4-Trichlorobenzene	1.0
Hexachlorobutadiene	1.0
Naphthalene	3.0
1,2,3-Trichlorobenzene	1.0
	Direct Injection GC/MSD/SIM
1,4-Dioxane	1.0
	Gas Chromatography GC
1,3,5-Trichlorobenzene	0.10
1,2,4-Trichlorobenzene	0.10
1,2,3-Trichlorobenzene	0.10
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	0.10
1,2,3,4-Tetrachlorobenzene	0.10
Pentachlorobenzene	0.10
Hexachlorobenzene	0.10

A summary of volatile test results is provided in Table 1. A summary of 1,4-Dioxane results is provided in Table 2. A summary of the chlorinated benzenes results is provided in Table 3. A summary of method blanks and matrix spike/matrix spike duplicate data is provided in Table 3, 4 and 5, respectively.

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

- A) Chain of custody sheets for samples
- B) FEDEX shipping label for Paradigm Labs
- C) Chain of custody sheets for samples sent to Paradigm Labs

VOC Method Summary

Water Samples

Water samples were provided by the client to the field lab in 40mL VOC vials. A 10mL aliquot of the sample was withdrawn from the vial with a 10mL Luer-Lok™ syringe. 10 µL of a 25µg/mL surrogate and internal standard solution was added to the sample in the 10 mL syringe. The sample was then immediately loaded onto a Tekmar ALS 2016 autosampler with a Tekmar LSC 2000 purge and trap concentrator for GC/MSD analysis.

GC/MSD Procedure:

Identification of target compounds was done by matching retention times and mass spectra of peaks found in samples to those found in a VOC calibration standard using the internal standards as time reference peaks. Quantitation was performed by the internal standard technique using a seven point standard curve generated from 5, 10, 20, 50, 100, 250, and 500 ng standards. These levels equate to 0.5, 1.0, 2.0, 5.0, 10, 25 and 50 µg/L for water samples.

A Hewlett-Packard 5890 gas chromatograph with a 30m x 0.32mm RTX-624 micro-capillary column interfaced to a Hewlett-Packard 5972 MSD was used. The data system included a Hewlett-Packard Enviroquant chromatography workstation for data handling.

Quality control consisted of the following items:

- Initial calibration with % relative standard deviation less than 15% of individual response factors obtained from analysis of calibration standards
- Continuing Calibration Verification standards analyzed at a frequency of every ten samples or less
- Surrogate standard additions to samples
- Blank and LCS samples analyzed every twenty samples or less with a minimum of one per day per matrix.
- MS/MSD samples analyzed every twenty samples or less per matrix.
- Information documented in Field Logbook 150.

1,4-Dioxane Method Summary

Water Samples

Water samples were provided by the client to the field lab in 40mL VOA vials. 200 grams of sample was transferred to the filtering apparatus, spiked with 40uL 25ug/mL surrogate solution and 40uL 25ug/mL spike solution (if necessary) then filtered through a 3M 2272 activated carbon disk. The activated carbon disk was placed in a 3 dram vial containing 8mL acetone and sonicated for 15 minutes. A 0.8mL aliquot of the sample extract was spiked with 10uL 25ug/mL internal standard solution and analyzed by direct inject GC/MSD/SIM.

GC/MSD Procedure:

Identification of the target compound was done by matching retention times, quantitation and qualifier ion relative responses to that of an authentic standard. Quantitation is accomplished by comparing the response of the major (quantitation) ion relative to an internal standard using a seven point calibration curve. These levels equate to 0.5, 1.0, 2.5, 5.0, 10, 50 and 100 ug/L for water samples.

A Hewlett-Packard 5890 Series II gas chromatograph with a 30m x 0.32mm 1.8u film, RTX-624 micro-capillary column interfaced to a Hewlett-Packard 5972 MSD was used. The data system included a Hewlett-Packard Enviroquant chromatography workstation for data handling.

Quality control consisted of the following items:

- Initial calibration with % relative standard deviation less than 15% of individual response factors obtained from analysis of calibration standards
- Continuing Calibration Verification standards analyzed at a frequency of every ten samples or less
- Surrogate standard additions to samples
- Blank and LCS samples analyzed every twenty samples or less with a minimum of one per day per matrix.
- MS/MSD samples analyzed every twenty samples or less per matrix.
- Information documented in Field Logbook 150.

Chlorinated Benzene Method Summary

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 isooctane/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. WATER Samples: 200 grams of water was weighed into a clean jar containing 50 grams of sodium chloride. The samples were spiked with a surrogate in addition the LCS/MS/MSD were spiked with PCB's and chlorinated benzenes. Added 10 ml of isooctane to each and shake 3 times for 2 minutes each time. Samples were allowed to settle for approximately 5 minutes between each shake. Isooctane was decanted into a scintillation vial and then an aliquot was transferred to an autosampler vial. Then extracts were injected into a GC-ECD.
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 150 and July and August 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 Volatiles– July and August

TABLE 1

Kuhlman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water

VOLATILES	ug/L	Reporting Limit	Date Analyzed	Date Collected	Time Collected	Depth	W1985		W1954		W1955		W1953		W1949		W1962		W1968		W1960		.947		
							W1985 KEP GW-027 001	W1985 KEP GW-008 006	W1954 KEP GW-007 006	W1954 KEP GW-007 11:08	W1955 KEP GW-008 006	W1955 KEP GW-008 13:30	W1953 KEP GW-006 006	W1953 KEP GW-006 15:45	W1949 KEP GW-003 006	W1949 KEP GW-003 17:30	W1962 KEP GW-012 001	W1962 KEP GW-012 8:45	W1968 KEP GW-016 001	W1968 KEP GW-016 10:45	W1960 KEP GW-011A 001	W1960 KEP GW-011A 12:40	.947 KEP FB 013		
Xylenes, Total	2.0		28-Jul-07	29-Jul-07	29-Jul-07		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Styrene	1.0		18:41	11:08	13:30		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Bromoform	2.0						< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Isopropylbenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,2,2-Tetrachloroethane	2.0						< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Bromobenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trichloropropane	2.0						< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
n-Propylbenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
2-Chlorotoluene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,3,5-Trimethylbenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
4-Chlorotoluene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
tert-Butylbenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,4-Trimethylbenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
sec-Butylbenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,3-Dichlorobenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
p-Isopropyltoluene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,4-Dichlorobenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
n-Butylbenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dichlorobenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dibromo-3-Chloropropane	2.0						< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
1,3,5-Trichlorobenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,4-Trichlorobenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Hexachlorobutadiene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Naphthalene	3.0						< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	
1,2,3-Trichlorobenzene	1.0						< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Surrogates:																									
Dibromofluoromethane	%						95.0	97.3	98.3	98.3	103	104	99.4	96.4	96.3	98.5									
Toluene-D8	%						101	96.5	99.2	95.8	91.7	95.2	90.8	92.3	101										
4-Bromofluorobenzene	%						94.2	94.2	95.8	95.0	96.2	99.3	95.5	92.4	97.9										

Kuhiman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water

VOLATILES	Depth Collected	Date Collected Time Collected	Date Analyzed	Reporting Limit ug/L	W1961	W1950	W1959	W1951	W1948	W1956	W1972	W1971	W1964
					KEP GW-011B 001	KEP Duplicate	KEP GW-010C 001	KEP GW-004 006	KEP GW-002 006	KEP GW-009 004	KEP GW-018B 001	KEP GW-018A 001	KEP GW-014A 001
Xylenes, Total	2.0	30-Jul-07	30-Jul-07	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	1.0	14:55	18:25	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	2.0	1-Aug-07	1-Aug-07	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Isopropylbenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	2.0			2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Bromobenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	2.0			2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
n-Propylbenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	2.0			2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,3,5-Trichlorobenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	3.0			3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	1.0			1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Surrogates:													
Dibromofluoromethane	%			101	101	102	105	108	101	108	105	102	104
Toluene-D8	%			100	105	103	106	92.4	105	92.4	98.8	99.6	106
4-Bromofluorobenzene	%			97.4	103	96.7	95.8	96.5	98.5	96.5	96.5	100	99.2

TABLE 1

Kuhlman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water

VOLATILES	Depth Date Collected Time Collected Date Analyzed Reporting Limit ug/L	W1965	W1970	W1969	W1967	W1981	W1963	W1983	W1976	W1978
		KEP GW-014B 001	KEP GW-017B 001	KEP GW-017A 001	KEP GW-015B 001	Duplicate	KEP GW-013 001	KEP GW-025 001	KEP GW-021A 001	KEP GW-022 001
Dichlorodifluoromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	1.0	< 1.0	< 1.0	48	10	11	< 1.0	15	29	< 1.0
Methylene Chloride	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon Tetrachloride	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Toluene	1.0	< 1.0	< 1.0	< 1.0	44	54	< 1.0	< 1.0	3.6	< 1.0
trans-1,3-Dichloropropene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0
1,3-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethyl Benzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

TABLE 1

Kuhlman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water

VOLATILES	Depth Collected	Date Collected	Date Analyzed	Reporting Limit	W1965		W1969		W1967		W1981		W1963		W1983		W1976		W1978	
					W1965	W1965	W1969	W1969	W1967	W1967	W1981	W1981	W1963	W1963	W1983	W1983	W1976	W1976	W1978	W1978
	ug/l				W1965	W1965	W1969	W1969	W1967	W1967	W1981	W1981	W1963	W1963	W1983	W1983	W1976	W1976	W1978	W1978
Xylenes, Total	2.0				< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	2.0				< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Isopropylbenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	2.0				< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Bromobenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	2.0				< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
n-Propylbenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	2.0				< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,3,5-Trichlorobenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	3.0				< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	1.0				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Surrogates:																				
Dibromofluoromethane	%				103	104	106	107	108	106	106	108	106	106	111	111	112	112	103	103
Toluene-D8	%				96.3	97.2	105	106	102	109	102	102	109	109	103	94.2	94.2	94.2	123	123
4-Bromofluorobenzene	%				93.8	96.2	96.7	97.7	101	98.9	101	97.7	98.9	98.9	98.1	99.1	99.1	106	106	106

Kuhlman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water

VOLATILES	Date Collected	Time Collected	Date Analyzed	Reporting Limit	Depth ug/L	W1982	W1980	W1979	W1974	W1975	W1957	W1958	W1973	W1984
						KEP GW-024 001	KEP GW-023B 001	KEP GW-023A 001	KEP GW-020A 001	KEP GW-020B 001	KEP GW-010A 001	KEP GW-010B 001	KEP GW-019 001	KEP GW-026 001
Xylenes, Total	2-Aug-07	11:15	2-Aug-07	2.0	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	2-Aug-07	14:42	2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	2-Aug-07		2-Aug-07	2.0	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Isopropylbenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	2-Aug-07		2-Aug-07	2.0	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Bromobenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	2-Aug-07		2-Aug-07	2.0	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
n-Propylbenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	2-Aug-07		2-Aug-07	2.0	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,3,5-Trichlorobenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	2-Aug-07		2-Aug-07	3.0	3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	2-Aug-07		2-Aug-07	1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Surrogates:														
Dibromofluoromethane				%	107	111	98.6	104	106	95.7	96.7	97.5	99.5	
Toluene-D8				%	108	103	95.9	101	111	98.5	94.2	94.9	109	
4-Bromofluorobenzene				%	99.2	98.2	94.4	94.6	96.8	89.8	89.7	92.2	99.3	

TABLE 1

Kuhlman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water

VOLATILES	Depth Date Collected Time Collected Date Analyzed Reporting Limit ug/L	W1966		W1977		W1952	
		KEP GW-015A 001	KEP GW-021B 001	KEP GW-021B 001	KEP GW-005 006	3-Aug-07 14:15	3-Aug-07 14:59
Dichlorodifluoromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	1.0	45	1.1	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	1.0	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon Tetrachloride	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Toluene	1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	1.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethyl Benzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

TABLE 1
Kuhlman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water

VOLATILES	Depth Date Collected Time Collected Date Analyzed Reporting Limit ug/L	W1966		W1977		W1952	
		KEP GW-015A 001	3-Aug-07 14:15 3-Aug-07	KEP GW-021B 001	3-Aug-07 14:59 3-Aug-07	KEP GW-005 006	3-Aug-07 15:10 3-Aug-07
Xylenes, Total	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Isopropylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Bromobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
n-Propylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,3,5-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Surrogates:							
Dibromofluoromethane	%	96.5	99.8	99.8	99.9	99.9	99.9
Toluene-D8	%	93.6	105	105	106	106	106
4-Bromofluorobenzene	%	91.9	107	107	94.9	94.9	94.9

Table 2

Sample Results 1,4-Dioxane– July and August

TABLE 2

Kuhlman Electric - Crystal Springs, Mississippi - 1,4-Dioxane Detected in Water

VOLATILES	Reporting Limit ug/L	Date Analyzed	Date Collected	Time Collected	Depth	W1985		W1954		W1955		W1953		W1949		W1962		W1968		W1960		W1947	
						KEP	GW-027	KEP	GW-007	KEP	GW-008	KEP	GW-006	KEP	GW-003	KEP	GW-012	KEP	GW-016	KEP	GW-011A	KEP	GW-016
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Surrogates:																							
1,4-Dioxane-D8	%	86.9	83.6	80.4	87.9	80.0	80.0	89.9	81.4	80.1	76.8												

* = Elevated reporting limit due to suspension.

TABLE 2
Kuhlman Electric - Crystal Springs, Mississippi - 1,4-Dioxane Detected in Water

W1961	W1950	W1959	W1951	W1948	W1956	W1972	W1971	W1964
KEP	KEP	KEP	KEP	KEP	KEP	KEP	KEP	KEP
GW-011B	Duplicate	GW-10C	GW-004	GW-002	GW-009	GW-018B	GW-018A	GW-014A
001		001	006	006	004	001	001	001
30-Jul-07	30-Jul-07	30-Jul-07	31-Jul-07	31-Jul-07	31-Jul-07	31-Jul-07	31-Jul-07	31-Jul-07
14:55		18:25	8:55	10:22	13:15	15:35	16:10	18:52
31-Jul-07	1-Aug-07	1-Aug-07	31-Jul-07	31-Jul-07	31-Jul-07	1-Aug-07	31-Jul-07	1-Aug-07
Reporting Limit								
ug/L								
1,4-Dioxane	< 1.0	< 1.0	< 2.0 *	6.0	< 1.0	< 1.0	5.1	< 1.0
Surrogates:								
1,4-Dioxane-D8	75.9	80.8	75.9	77.9	74.2	78.0	81.0	80.9

* = Elevated reporting limit due to suspension.

TABLE 2

Kuhlman Electric - Crystal Springs, Missi
 pi - 1,4-Dioxane Detected in Water

VOLATILES	Reporting Limit ug/L	Date Analyzed	Date Collected Time Collected	Depth	W1965	W1970	W1969	W1967	W1981	W1963	W1983	W1976	W1978
					KEP GW-014B 001	KEP GW-017B 001	KEP GW-017A 001	KEP GW-015B 001	KEP Duplicate	KEP GW-013 001	KEP GW-025 001	KEP GW-021A 001	KEP GW-022 001
		1-Aug-07	31-Jul-07 19:25	-	1-Aug-07 1-Aug-07	31-Jul-07 21:40	1-Aug-07 9:30	1-Aug-07 1-Aug-07	1-Aug-07	1-Aug-07 13:30	1-Aug-07 17:25	1-Aug-07 19:16	2-Aug-07 9:20
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	4.3	4.3	4.3	4.4	< 1.0	< 1.0	1.8	< 1.0	< 1.0
Surrogates:													
1,4-Dioxane-D8	%	77.2	79.9		87.9	76.4	81.3	82.4	81.1	68.4	64.4		

* = Elevated reporting limit due to suspension.

TABLE 2
Kuhlman Electric - Crystal Springs, Mississ
1,4-Dioxane Detected in Water

VOLATILES	Reporting Limit ug/L	Date Analyzed	Date Collected	Depth Collected	W1982	W1980	W1979	W1974	W1975	W1957	W1958	W1973	W19d4
					KEP GW-024 001	KEP GW-023B 001	KEP GW-023A 001	KEP GW-020A 001	KEP GW-020B 001	KEP GW-010A 001	KEP GW-010B 001	KEP GW-019 001	KEP GW-026 001
					2-Aug-07 11:15	2-Aug-07 14:42	2-Aug-07 15:10	2-Aug-07 16:09	2-Aug-07 17:28	2-Aug-07 19:43	2-Aug-07 20:17	3-Aug-07 9:30	3-Aug-07 10:20
1,4-Dioxane	1.0	<	1.0	1.6	<	1.0	<	1.0	2.5	8.3	6.0	<	1.0
Surrogates:													
1,4-Dioxane-D8	%	87.2	75.1	66.4	78.1	78.5	72.9	71.9	70.6	68.5			

* = Elevated reporting limit due to suspension.

TABLE 2
Kuhlman Electric - Crystal Springs, Mississippi - 1,4-Dioxane Detected in Water

VOLATILES	Reporting Limit ug/L	W1966		W1977		W1982	
		KEP GW-015A 001	3-Aug-07 14:15 3-Aug-07	KEP GW-021B 001	3-Aug-07 14:59 3-Aug-07	KEP GW-005 006	3-Aug-07 15:10 3-Aug-07
1,4-Dioxane	1.0	1.8	<	3.0*	<	1.0	
Surrogates:							
1,4-Dioxane-D8	%	77.9		61.2		70.9	

* = Elevated reporting limit due to suspension.

TABLE 3

Kuhlman F. Spring
Crystal Spring, Mississippi
Chlorinated Benzenes Detected in ug/L

Field Lab Sample ID	Sample ID	Depth	Date Collected	Time Collected	Date Analyzed	Field Laboratory										Surrogate TCMX(%)	
						1,3,5-Trichloro-benzene	1,2,4-Trichloro-benzene	1,2,3-Trichloro-benzene	1,2,3,4-Tetrachloro-benzene	1,2,3,5-&1,2,4,5-Tetrachloro-benzene	Penta-chloro-benzene	Hexa-chloro-benzene					
W1985	KEP-GW-027-001	-	28-Jul-07	18:41	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	92.7
W1954	KEP-GW-007-006	-	29-Jul-07	11:08	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	76.6
W1955	KEP-GW-008-006	-	29-Jul-07	13:30	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	81.4
W1953	KEP-GW-006-006	-	29-Jul-07	15:45	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	78.1
W1949	KEP-GW-003-006	-	29-Jul-07	17:30	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	70.9
W1962	KEP-GW-012-001	-	30-Jul-07	8:45	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	77.5
W1968	KEP-GW-016-001	-	30-Jul-07	10:45	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	82.4
W1960	KEP-GW-011A-001	-	30-Jul-07	12:40	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	79.9
W1947	KEP-FB-013	-	30-Jul-07	13:40	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	67.4
W1961	KEP-GW-011B-001	-	30-Jul-07	14:55	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	112
W1950	KEP-Duplicate	-	30-Jul-07	-	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	87.6
W1959	KEP-GW-010C-001	-	30-Jul-07	18:25	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	89.5
W1951	KEP-GW-004-006	-	31-Jul-07	8:55	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	79.8
W1948	KEP-GW-002-006	-	31-Jul-07	10:22	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	73.6
W1956	KEP-GW-009-004	-	31-Jul-07	13:15	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	75.1
W1972	KEP-GW-018B-001	-	31-Jul-07	15:35	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	92.0
W1971	KEP-GW-018A-001	-	31-Jul-07	16:10	31-Jul-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	77.4
W1964	KEP-GW-014A-001	-	31-Jul-07	18:52	1-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	88.0
W1965	KEP-GW-014B-001	-	31-Jul-07	19:25	1-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	82.3
W1970	KEP-GW-017B-001	-	31-Jul-07	21:05	1-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	91.3
W1969	KEP-GW-017A-001	-	31-Jul-07	21:40	1-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	81.4
W1967	KEP-GW-015B-001	-	1-Aug-07	9:30	1-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	87.3
W1981	KEP-Duplicate	-	1-Aug-07	-	1-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	83.3
W1963	KEP-GW-013-001	-	1-Aug-07	13:30	1-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	91.0
W1983	KEP-GW-025-001	-	1-Aug-07	17:25	1-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	91.3
W1976	KEP-GW-021A-001	-	1-Aug-07	19:16	2-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	107
W1978	KEP-GW-022A-001	-	2-Aug-07	9:20	2-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	74.7
W1982	KEP-GW-024-001	-	2-Aug-07	11:15	2-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	96.7
W1980	KEP-GW-023B-001	-	2-Aug-07	14:42	2-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	91.1
W1979	KEP-GW-023A-001	-	2-Aug-07	15:10	2-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	82.7
W1974	KEP-GW-020A-001	-	2-Aug-07	16:09	2-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	93.3
W1975	KEP-GW-020B-001	-	2-Aug-07	17:28	2-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	90.7
W1957	KEP-GW-010A-001	-	2-Aug-07	19:43	3-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	96.0
W1958	KEP-GW-010B-001	-	2-Aug-07	20:17	3-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	85.8
W1973	KEP-GW-019-001	-	3-Aug-07	9:30	3-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	61.5

TABLE 3
 Kuhliman Eir...
 Crystal Springs, Mississippi
 Chlorinated Benzenes Detected in ug/L

Field Lab Sample ID	Sample ID	Depth	Date Collected	Time Collected	Date Analyzed	Field Laboratory							Surrogate TCMX(%)	
						1,3,5-Trichloro-benzene	1,2,4-Trichloro-benzene	1,2,3-Trichloro-benzene	1,2,3,4-Tetrachloro-benzene	1,2,3,5- & 1,2,4,5-Tetrachloro-benzene	Penta-chloro-benzene	Hexa-chloro-benzene		
W1984	KEP-GW-026-001	-	3-Aug-07	10:20	3-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	89.6
W1966	KEP-GW-015A-001	-	3-Aug-07	14:15	3-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	90.8
W1977	KEP-GW-021B-001	-	3-Aug-07	14:59	3-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	75.7
W1952	KEP-GW-005-006	-	3-Aug-07	15:10	3-Aug-07	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	113

Table 4

QC Results Volatiles– July and August

TABLE 4
QC Report

Lab # associated with qc samples: W1947 through W1951 and W1964
 Matrix W1953 through W1956 and W1968
 Matrix Spike W1959 through W1962 and W1971
 Spike Duplicate Blank and W1972
 W1953 W1953 and W1985
 Date Analyzed: 8/2/07 8/2/07 8/1/07

Compound	% Rec	% Rec	RPD	ug/L
Dichlorodifluoromethane	101%	100%	1.2%	< 1.0
Chloromethane	117%	106%	9.7%	< 1.0
Vinyl chloride	117%	109%	7.3%	< 1.0
Bromomethane	117%	108%	8.2%	< 1.0
Chloroethane	117%	109%	7.4%	< 1.0
Trichlorofluoromethane	124%	123%	1.3%	< 1.0
1,1-Dichloroethene	109%	106%	3.2%	< 1.0
Methylene chloride	123%	110%	11.1%	< 1.0
trans-1,2-Dichloroethene	75.0%	75.4%	0.5%	< 1.0
1,1-Dichloroethane	117%	98.4%	17.4%	< 1.0
cis-1,2-Dichloroethene	103%	105%	1.3%	< 1.0
1,2-Dichloropropane	105%	102%	2.7%	< 1.0
Bromochloromethane	96.8%	97.8%	1.0%	< 1.0
Chloroform	109%	108%	0.4%	< 1.0
1,1,1-Trichloroethane	108%	111%	2.9%	< 1.0
1,1-Dichloropropene	103%	104%	1.0%	< 1.0
Carbon tetrachloride	102%	102%	0.2%	< 1.0
Benzene	103%	105%	2.3%	< 1.0
1,2-Dichloroethane	105%	104%	1.0%	< 1.0
Trichloroethene	101%	100%	0.2%	< 1.0
1,2-Dichloropropane	102%	99.2%	3.2%	< 1.0
Dibromomethane	96.2%	93.4%	3.0%	< 1.0
Bromodichloromethane	98.6%	97.8%	0.8%	< 1.0
cis-1,3-Dichloropropene	95.6%	95.2%	0.4%	< 2.0
Toluene	99.2%	98.6%	0.6%	< 1.0
trans-1,3-Dichloropropene	96.6%	91.4%	5.5%	< 1.0
1,1,2-Trichloroethane	96.4%	92.2%	4.5%	< 1.0
Tetrachloroethene	92.8%	92.2%	0.6%	< 1.0
1,3-Dichloropropane	95.0%	91.6%	3.6%	< 1.0
Dibromochloromethane	88.4%	88.0%	0.5%	< 1.0
1,2-Dibromoethane	92.2%	86.8%	6.0%	< 1.0
Chlorobenzene	101%	101%	0.6%	< 1.0
1,1,1,2-Tetrachloroethane	97.2%	98.2%	1.0%	< 1.0
Ethyl benzene	104%	104%	0.2%	< 1.0
Xylenes, Total	99.5%	99.0%	0.5%	< 2.0
Styrene	97.4%	94.8%	2.7%	< 1.0
Bromoform	84.8%	85.6%	0.9%	< 2.0

TABLE 4
QC Report

Lab # associated with qc samples: W1947 through W1951 and W1964
 Matrix W1953 through W1956 and W1968
 Matrix Spike W1959 through W1962 and W1971
 Spike Duplicate Blank and W1972
 W1953 W1953 and W1985
 Date Analyzed: 8/2/07 8/2/07 8/1/07

Compound	% Rec	% Rec	RPD	ug/L
Isopropylbenzene	99.4%	97.8%	1.6%	< 1.0
1,1,2,2-Tetrachloroethane	94.0%	93.4%	0.6%	< 2.0
Bromobenzene	91.4%	91.2%	0.2%	< 1.0
1,2,3-Trichloropropane	111%	109%	1.5%	< 2.0
n-Propylbenzene	99.0%	97.8%	1.2%	< 1.0
2-Chlorotoluene	99.6%	97.8%	1.8%	< 1.0
1,3,5-Trimethylbenzene	99.2%	98.4%	0.8%	< 1.0
4-Chlorotoluene	97.4%	97.0%	0.4%	< 1.0
tert-Butylbenzene	106.4%	93.8%	12.6%	< 1.0
1,2,4-Trimethylbenzene	99.0%	97.6%	1.4%	< 1.0
sec-Butylbenzene	97.8%	96.4%	1.4%	< 1.0
1,3-Dichlorobenzene	99.0%	99.6%	0.6%	< 1.0
-Isopropyltoluene	104%	107%	2.5%	< 1.0
1,4-Dichlorobenzene	98.2%	99.4%	1.2%	< 1.0
n-Butylbenzene	107%	108%	0.9%	< 1.0
1,2-Dichlorobenzene	98.8%	99.6%	0.8%	< 1.0
1,2-Dibromo-3-chloropropane	99.6%	101%	1.0%	< 2.0
1,3,5-Trichlorobenzene	97.6%	96.8%	0.8%	< 1.0
1,2,4-Trichlorobenzene	95.4%	97.0%	1.7%	< 1.0
Hexachlorobutadiene	92.6%	94.2%	1.7%	< 1.0
Naphthalene	96.2%	94.6%	1.7%	< 3.0
1,2,3-Trichlorobenzene	95.0%	95.6%	0.6%	< 1.0

TABLE 4
QC Report

Lab # associated with qc samples: W1963 and W1965 and W1975
Matrix W1967 and W1969 and W1976
Matrix Spike W1970 and W1974 and W1978
Spike Duplicate Blank and W1979
W1983 W1983 and W1980
Date Analyzed: 8/2/07 8/2/07 8/2/07 and W1981
and W1982
and W1983

Compound	% Rec	% Rec	RPD	ug/L
Dichlorodifluoromethane	125%	108%	14.8%	< 1.0
Chloromethane	161%	126%	24.4%	< 1.0
Vinyl chloride	132%	118%	11.2%	< 1.0
Bromomethane	151%	120%	22.3%	< 1.0
Chloroethane	130%	114%	13.1%	< 1.0
Trichlorofluoromethane	116%	115%	1.0%	< 1.0
1,1-Dichloroethene	105%	102%	3.4%	< 1.0
Methylene chloride	142%	148%	4.1%	< 1.0
trans-1,2-Dichloroethene	78.0%	79.6%	2.0%	< 1.0
1,1-Dichloroethane	123%	117%	4.8%	< 1.0
cis-1,2-Dichloroethene	115%	107%	6.8%	< 1.0
2,2-Dichloropropane	116%	111%	5.1%	< 1.0
Bromochloromethane	110%	100%	9.3%	< 1.0
Chloroform	118%	112%	5.6%	< 1.0
1,1,1-Trichloroethane	115%	110%	5.0%	< 1.0
1,1-Dichloropropene	103%	103%	0.2%	< 1.0
Carbon tetrachloride	100%	98.8%	1.6%	< 1.0
Benzene	104%	103%	0.6%	< 1.0
1,2-Dichloroethane	115%	112%	2.8%	< 1.0
Trichloroethene	102%	100%	2.2%	< 1.0
1,2-Dichloropropane	105%	106%	0.9%	< 1.0
Dibromomethane	109%	104%	4.1%	< 1.0
Bromodichloromethane	109%	104%	4.1%	< 1.0
cis-1,3-Dichloropropene	106%	103%	3.3%	< 2.0
Toluene	109%	104%	5.3%	< 1.0
trans-1,3-Dichloropropene	110%	101%	8.7%	< 1.0
1,1,2-Trichloroethane	115%	108%	6.1%	< 1.0
Tetrachloroethene	103%	97.2%	5.4%	< 1.0
1,3-Dichloropropane	109%	102%	7.0%	< 1.0
Dibromochloromethane	104%	91.8%	12.8%	< 1.0
1,2-Dibromoethane	106%	95.6%	10.1%	< 1.0
Chlorobenzene	102%	101%	0.8%	< 1.0
1,1,1,2-Tetrachloroethane	98.2%	93.4%	5.0%	< 1.0
Ethyl benzene	106%	104%	2.1%	< 1.0
Xylenes, Total	105%	101%	3.4%	< 2.0
Styrene	103%	99.0%	4.3%	< 1.0
Bromoform	95.6%	89.8%	6.3%	< 2.0

TABLE 4
QC Report

Lab # associated with qc samples: W1963 and W1965 and W1975
 Matrix W1967 and W1969 and W1976
 Matrix Spike W1970 and W1974 and W1978
 Spike Duplicate Blank and W1979
 W1983 W1983 and W1980
 Date Analyzed: 8/2/07 8/2/07 8/2/07 and W1981
 and W1982
 and W1983

Compound	% Rec	% Rec	RPD	ug/L
Isopropylbenzene	108%	100%	6.9%	< 1.0
1,1,2,2-Tetrachloroethane	111%	102%	9.2%	< 2.0
Bromobenzene	101%	94.2%	6.6%	< 1.0
1,2,3-Trichloropropane	106%	117%	10.0%	< 2.0
n-Propylbenzene	110%	103%	6.0%	< 1.0
2-Chlorotoluene	105%	103%	1.7%	< 1.0
1,3,5-Trimethylbenzene	109%	102%	6.6%	< 1.0
4-Chlorotoluene	112%	101%	9.6%	< 1.0
tert-Butylbenzene	103%	97.0%	6.0%	< 1.0
1,2,4-Trimethylbenzene	111%	101%	9.5%	< 1.0
sec-Butylbenzene	111%	101%	8.9%	< 1.0
1,3-Dichlorobenzene	96.4%	101%	4.9%	< 1.0
p-Isopropyltoluene	103%	105%	2.1%	< 1.0
1,4-Dichlorobenzene	98.0%	99.4%	1.4%	< 1.0
n-Butylbenzene	108%	109%	1.5%	< 1.0
1,2-Dichlorobenzene	98.2%	101%	2.8%	< 1.0
1,2-Dibromo-3-chloropropane	113%	112%	1.1%	< 2.0
1,3,5-Trichlorobenzene	96.2%	98.0%	1.9%	< 1.0
1,2,4-Trichlorobenzene	98.4%	99.0%	0.6%	< 1.0
Hexachlorobutadiene	99.0%	96.0%	3.1%	< 1.0
Naphthalene	99.6%	99.8%	0.2%	< 3.0
1,2,3-Trichlorobenzene	96.6%	98.2%	1.6%	< 1.0

TABLE 4
QC Report

Lab # associated with qc samples: W1952 and W1957 and W1984
 Matrix W1958 and W1966
 Matrix Spike W1973 and W1977
 Spike Duplicate Blank
 W1984 W1984
 Date Analyzed: 8/3/07 8/3/07 8/3/07

Compound	% Rec	% Rec	RPD	ug/L
Dichlorodifluoromethane	83.6%	82.0%	1.9%	< 1.0
Chloromethane	81.6%	89.6%	9.3%	< 1.0
Vinyl chloride	93.6%	95.2%	1.7%	< 1.0
Bromomethane	86.4%	87.8%	1.6%	< 1.0
Chloroethane	92.6%	91.4%	1.3%	< 1.0
Trichlorofluoromethane	108%	116%	7.5%	< 1.0
1,1-Dichloroethene	106%	117%	9.5%	< 1.0
Methylene chloride	93.4%	92.4%	1.1%	< 1.0
trans-1,2-Dichloroethene	221%	181%	19.9%	< 1.0
1,1-Dichloroethane	103%	108%	4.4%	< 1.0
cis-1,2-Dichloroethene	101%	104%	2.7%	< 1.0
1,2-Dichloropropane	99.6%	105%	5.3%	< 1.0
Bromochloromethane	93.4%	96.0%	2.7%	< 1.0
Chloroform	96.0%	99.4%	3.5%	< 1.0
1,1,1-Trichloroethane	99.2%	104%	4.5%	< 1.0
1,1-Dichloropropene	99.4%	106%	6.4%	< 1.0
Carbon tetrachloride	102%	101%	1.0%	< 1.0
Benzene	102%	103%	0.8%	< 1.0
1,2-Dichloroethane	94.0%	94.4%	0.4%	< 1.0
Trichloroethene	98.4%	101%	2.8%	< 1.0
1,2-Dichloropropane	96.8%	98.2%	1.4%	< 1.0
Dibromomethane	89.2%	88.8%	0.4%	< 1.0
Bromodichloromethane	92.4%	90.2%	2.4%	< 1.0
cis-1,3-Dichloropropene	89.8%	89.8%	0.0%	< 2.0
Toluene	89.8%	88.7%	1.2%	< 1.0
trans-1,3-Dichloropropene	84.4%	83.0%	1.7%	< 1.0
1,1,2-Trichloroethane	84.2%	82.2%	2.4%	< 1.0
Tetrachloroethene	93.6%	93.6%	0.0%	< 1.0
1,3-Dichloropropane	83.8%	82.6%	1.4%	< 1.0
Dibromochloromethane	82.0%	77.2%	6.0%	< 1.0
1,2-Dibromoethane	81.2%	79.2%	2.5%	< 1.0
Chlorobenzene	101%	103%	2.5%	< 1.0
1,1,1,2-Tetrachloroethane	99.6%	103%	3.6%	< 1.0
Ethyl benzene	101%	101%	0.6%	< 1.0
Xylenes, Total	98.0%	100%	2.4%	< 2.0
Styrene	92.6%	95.6%	3.2%	< 1.0
Bromoform	84.0%	83.8%	0.2%	< 2.0

TABLE 4
QC Report

Lab # associated with qc samples: W1952 and W1957 and W1984
 Matrix W1958 and W1966
 Matrix Spike W1973 and W1977
 Spike Duplicate Blank
 W1984 W1984
 Date Analyzed: 8/3/07 8/3/07 8/3/07

Compound	% Rec	% Rec	RPD	ug/L
Isopropylbenzene	95.2%	98.0%	2.9%	< 1.0
1,1,2,2-Tetrachloroethane	84.6%	80.8%	4.6%	< 2.0
Bromobenzene	90.6%	91.6%	1.1%	< 1.0
1,2,3-Trichloropropane	90.0%	88.6%	1.6%	< 2.0
n-Propylbenzene	94.0%	97.6%	3.8%	< 1.0
2-Chlorotoluene	96.2%	100%	4.3%	< 1.0
1,3,5-Trimethylbenzene	94.4%	99.2%	5.0%	< 1.0
4-Chlorotoluene	91.6%	95.2%	3.9%	< 1.0
tert-Butylbenzene	92.8%	95.0%	2.3%	< 1.0
1,2,4-Trimethylbenzene	91.2%	96.2%	5.3%	< 1.0
sec-Butylbenzene	92.0%	95.8%	4.0%	< 1.0
m,3-Dichlorobenzene	104%	107%	2.8%	< 1.0
p-Isopropyltoluene	103%	103%	0.8%	< 1.0
1,4-Dichlorobenzene	101%	105%	3.9%	< 1.0
n-Butylbenzene	106%	109%	3.2%	< 1.0
1,2-Dichlorobenzene	100%	103%	2.9%	< 1.0
1,2-Dibromo-3-chloropropane	95.0%	82.6%	14.0%	< 2.0
1,3,5-Trichlorobenzene	103%	106%	2.9%	< 1.0
1,2,4-Trichlorobenzene	101%	102%	0.6%	< 1.0
Hexachlorobutadiene	104%	104%	0.6%	< 1.0
Naphthalene	93.6%	90.8%	3.0%	< 3.0
1,2,3-Trichlorobenzene	98.6%	98.2%	0.4%	< 1.0

Table 5

QC Results 1,4-Dioxane- July and August

TABLE 5
QC Report

Lab # associated with qc samples: W1947 through W1951 and W1964
 W1953 through W1956 and W1965
 W1959 through W1962 and W1968
 W1959 through W1962 and W1985
 Matrix W1970 through W1972

Matrix Spike Duplicate LCS Blank

W1837 W1837

Date Extracted: 07/31/07 07/31/07 07/31/07 07/31/07
 Date Analyzed: 07/31/07 07/31/07 07/31/07 07/31/07

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	109%		124%	12.9%		83.5%	< 1.0

TABLE 5
QC Report

Lab # associated with qc samples: W1963 and W1967
W1969 and W1975
W1981 and W1983

	Matrix Spike	Matrix Spike Duplicate	LCS	Blank
	W1981	W1981		
Date Extracted:	08/01/07	08/01/07	08/01/07	08/01/07
Date Analyzed:	08/01/07	08/01/07	08/01/07	08/01/07

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	89.3%		86.9%	2.7%		71.0%	< 1.0

TABLE 5
QC Report

Lab # associated with qc samples: W1974 through W1976
W1978 through W1980
and W1982

Matrix
Spike Duplicate LCS Blank

Date Extracted: 08/02/07 08/02/07
Date Analyzed: 08/02/07 08/02/07

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane						106%	< 1.0

TABLE 5
QC Report

Lab # associated with qc samples: W1952 and W1957
W1958 and W1966
W1973 and W1977
and W1984

	Matrix Spike	Matrix Duplicate	LCS	Blank
	W1957	W1957		
Date Extracted:	08/03/07	08/03/07	08/03/07	08/03/07
Date Analyzed:	08/03/07	08/03/07	08/03/07	08/03/07

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	74.8%		69.5%	7.3%		65.6%	< 1.0

Table 6

QC Results Chlorinated Benzenes– July and August

TABLE 6
QC Report

Lab # associated with qc samples: W1947 and W1949
W1950 and W1953
W1954 and W1955
W1960 through W1962
W1968 and W1985

Matrix
Spike Duplicate Blank LCS
Matrix Spike Duplicate Blank LCS
W1953 W1953

Date Analyzed: 7/31/07 7/31/07 7/31/07 7/31/07

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
1,3,5-Trichlorobenzene	117		114		3%	< 0.10	71.7
1,2,4-Trichlorobenzene	102		93.9		8%	< 0.10	77.8
1,2,3-Trichlorobenzene	102		98.0		4%	< 0.10	77.6
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	92.3		92.4		0%	< 0.10	80.9
1,2,3,4-Tetrachlorobenzene	95.8		96.5		-1%	< 0.10	80.5
Pentachlorobenzene	92.8		100		-7%	< 0.10	83.1
Hexachlorobenzene	99.2		120		-19%	< 0.10	90.0

TABLE 6
QC Report

Lab # associated with qc samples: W1948 and W1951
W1956 and W1959
W1971 and W1972

	Matrix Spike W1953	Matrix Spike Duplicate W1953	Blank	LCS
Date Analyzed:	7/31/07	7/31/07	7/31/07	7/31/07

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
1,3,5-Trichlorobenzene	117		114		3%	< 0.10	108
1,2,4-Trichlorobenzene	102		93.9		8%	< 0.10	100
1,2,3-Trichlorobenzene	102		98.0		4%	< 0.10	98.5
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	92.3		92.4		0%	< 0.10	92.2
1,2,3,4-Tetrachlorobenzene	95.8		96.5		-1%	< 0.10	92.5
Pentachlorobenzene	92.8		100		-7%	< 0.10	97.8
Hexachlorobenzene	99.2		120		-19%	< 0.10	104

TABLE 6
QC Report

Lab # associated with qc samples: W1963 through W1965
W1967 and W1969
W1970 and W1976
W1981 and W1983

	Matrix Spike W1967	Matrix Spike Duplicate W1967	Blank	LCS
Date Analyzed:	8/1/07	8/1/07	8/1/07	8/1/07

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
1,3,5-Trichlorobenzene	125		125		0%	< 0.10	128
1,2,4-Trichlorobenzene	110		110		0%	< 0.10	118
1,2,3-Trichlorobenzene	109		110		-1%	< 0.10	115
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	98.0		101		-3%	< 0.10	108
1,2,3,4-Tetrachlorobenzene	96.1		102		-6%	< 0.10	112
Pentachlorobenzene	92.8		100		-7%	< 0.10	115
Hexachlorobenzene	93.8		96.1		-2%	< 0.10	114

TABLE 6
QC Report

Lab # associated with qc samples: W1974 through W1975
W1978 through W1980
and W1982

	Matrix Spike W1967	Matrix Spike Duplicate W1967	Blank	LCS
Date Analyzed:	8/1/07	8/1/07	8/2/07	8/2/07

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
1,3,5-Trichlorobenzene	125		125		0%	< 0.10	119
1,2,4-Trichlorobenzene	110		110		0%	< 0.10	105
1,2,3-Trichlorobenzene	109		110		-1%	< 0.10	102
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	98.0		101		-3%	< 0.10	92.8
1,2,3,4-Tetrachlorobenzene	96.1		102		-6%	< 0.10	89.5
Pentachlorobenzene	92.8		100		-7%	< 0.10	86.9
Hexachlorobenzene	93.8		96.1		-2%	< 0.10	79.3

TABLE 6
QC Report

Lab # associated with qc samples: W1952 and W1957
W1958 and W1966
W1973 and W1977
and W1984

	Matrix Spike W1957	Matrix Spike Duplicate W1957	Blank	LCS
Date Analyzed:	8/3/07	8/3/07	8/3/07	8/3/07

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
1,3,5-Trichlorobenzene	125		127		-2%	< 0.10	122
1,2,4-Trichlorobenzene	113		115		-2%	< 0.10	113
1,2,3-Trichlorobenzene	110		112		-2%	< 0.10	108
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	106		107		-1%	< 0.10	105
1,2,3,4-Tetrachlorobenzene	109		110		-1%	< 0.10	107
Pentachlorobenzene	110		108		2%	< 0.10	111
Hexachlorobenzene	114		108		5%	< 0.10	116

Appendix A

Chain of Custody Sheets for Samples



**Environmental Chemistry
Consulting Services, Inc.**

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

CHAIN OF CUSTODY

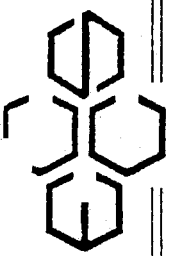
No. **012824** *

Page 1 of 1

Turn Around (circle one) Normal Rush

Report Due:

Project Number:		Mail Report To:	
Project Name: KUHLMAN ELECTRIC		Company: MULTIN + SINGLE	
Project Location: CRYSTAL SPRINGS		Address:	
Sampled By (Print): Chuck Paul		P.O. No.:	
Sample Description		Total Bottles	Analysis Requested
KEP-GW-027-001 <i>[Signature]</i>		4 A	1,4 Dioxane, 82608, 8121
Collection Date		Matrix	Preserv*
7/28/07 1841		W	
Collection Time		Comments	
Collection		Laboratory Number	
		W1985	
Quote No.:		Date/Time:	
		7/30/07 1400	
Relinquished By: <i>Chuck Paul</i>		Received By: <i>[Signature]</i>	
Date/Time: 7/30/07 1400		Date/Time: 7/30/07 1400	
Relinquished By:		Received By:	
Date/Time:		Date/Time:	
*Preservation Code		Receipt Temp:	
A=None B=HCL C=H2SO4		Temp Blank Y N	
D=HNO3 E=EnCore F=Methanol		on ice / in fridge @ 4°C	
G=NaOH O=Other(Indicate)		PINK - SAMPLER/SUBMITTER	
Custody Seal: Present/Absent		WHITE - REPORT COPY YELLOW - LABORATORY COPY	
Shipped Via:		Seal #s	



**Environmental Chemistry
Consulting Services, Inc.**

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

CHAIN OF CUSTODY

No. **012825** *
Page **1** of **1**

Turn Around (circle one) Normal Rush

Report Due:

Project Number:		Mail Report To:		Company:		Quote No.:	
Project Name: KUTHWAN ELECTRIC		Company: MARTIN & SLACKE		Address:		Laboratory Number	
Project Location: CANYON SPRINGS		Address:		P.O. No.:		Comments	
Sampled By (Print): Chuck Paul		Analysis Requested		Laboratory Number		Date/Time:	
Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Laboratory Number
	Date	Time					
KEP-6W-007-006	7/29/07	1108	W	4	A	1,4-Dioxin, PCBs, P121	W1954
KEP-6W-008-006	↓	1330	↓	4	↓	↓	W1955
KEP-6W-006-006	↓	1545	↓	4	↓	↓	W1953
KEP-6W-003-006	↓	1730	↓	4	↓	↓	W1949
<i>[Signature]</i>							
*Preservation Code		Relinquished By:		Date/Time:		Received By:	
A=None B=HCL C=H2SO4		<i>[Signature]</i>		7/30/07 1400		<i>[Signature]</i>	
D=HNO3 E=EnCore F=Methanol		Relinquished By:		Date/Time:		Received By:	
G=NaOH O=Other(Indicate)							
Custody Seal: Present/Absent		Intact/Not Intact		Seal #s		Date/Time:	
Shipped Via:						7/30/07 1400	

Receipt Temp: _____
Temp Blank Y N *none in fridge @ 9°C*
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

CHAIN OF CUSTODY

No. **012828** *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:

Project Number: _____
 Project Name: **KUTHMAN ELECTRIC**
 Project Location: **CYSTAL SPRINGS**
 Sampled By (Print): **Chuck Paul**

Mail Report To: _____
 Company: **MARTIN + SAGIE**
 Address: _____

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-GW-012-001	7/30/07	0945	W	4	A	1,4-Dioxane, PCOS, P121		W1962
KEP-GW-016-001		1045		4	A			W1968
KEP-GW-011A-001		1240		4	A			W1960
KEP-GW-013		1340		4	A			W1949
KEP-GW-011B-001		1455		10	A/B			W1961
Duplicate				10	A/B			W1950
KEP-GW-010C-001		1825		4	A			W1959
<i>[Handwritten Signature]</i>								
*Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH O=Other(Indicate)								
Relinquished By: <i>[Signature]</i>						Received By: <i>[Signature]</i>		Date/Time: 7/30/07
Relinquished By: _____						Received By: _____		Date/Time: 1830
Intact/Not Intact						Receipt Temp: _____		Date/Time: _____
Custody Seal: Present/Absent						Temp Blank Y N		Date/Time: _____
Shipped Via: _____						_____		



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CHAIN OF CUSTODY

No. **012830** *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:

Project Number: _____
 Project Name: KUHMAN ELECTRIC
 Project Location: CITYTAL SPRINGS
 Sampled By (Print): Chuck Peil
 Mail Report To: _____
 Company: MARTIN + SAGLE
 Address: _____

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-6w-004-006	7/31/07	0855	w	4	A	1,4 Dixon, P2608, P121		W1951
KEP-6w-002-006		1022		4	A			W1949
KEP-6w-005-004		1315		4	A			W1956
KEP-6w-018B-001		1535		4	A			W1972
KEP-6w-018A-001		1610		10	A/B			W1971
KEP-6w-014A-001		1852		4	A			W1964
KEP-6w-014B-001		1925		4	A			W1965
KEP-6w-017B-001		2105		4	A			W1970
KEP-6w-017A-001		2140		4	A			W1969

P.O. No.: _____ Quote No.: _____

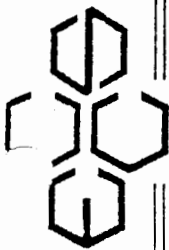
Received By: Chuck Peil Date/Time: 7/31/07 2200
 Received By: [Signature] Date/Time: 7/31/07 2200

Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

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

Custody Seal: Present/Absent
 Shipped Via: _____

Receipt Temp: _____
 Temp Blank Y N None



**Environmental Chemistry
Consulting Services, Inc.**

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

CHAIN OF CUSTODY

No. **012831** *
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 Paul**

Mail Report To:
Company: **MARTIN + SLAGO**
Address: _____

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

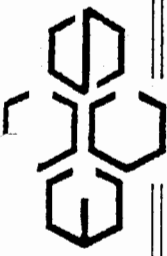
Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Laboratory Number
	Date	Time					
KEP-GW-015B-001	8/1/07	0930	W	10	A/B	1,4-Dioxane, P2006, P121	W1967
Duplicate	8/1/07	-	W	9	A/B		W1981
KEP-GW-0B-001	8/1/07	1330	W	7	A/B		W1963
KEP-GW-0ZS-001	8/1/07	1725	W	7	A/B		W1983
KEP-GW-0A1A-001	8/6/07	1916	W	4	A		W1976

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

Relinquished By: **Charles Paul** Date/Time: **8/1/07 1930**
Relinquished By: _____ Date/Time: _____

Received By: **R. Johnson 01/11/07** Date/Time: **1930**
Received By: _____ Date/Time: _____

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



**Environmental Chemistry
Consulting Services, Inc.**

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Madison, WI 53718
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CHAIN OF CUSTODY

No. **012832** *
Page **1** of **1**

Turn Around (circle one) Normal Rush
Report Due:

Project Number: _____
 Project Name: **KUTCHMAN ELECTRIC**
 Project Location: **CRYSTAL SPRINGS AS**
 Sampled By (Print): **CHUCK PERL**

Mail Report To:
 Company: **MARTIN SCAGOR**
 Address: _____

Invoice To: _____
 Company: _____
 Address: _____

P.O. No.: _____ Quote No.: _____

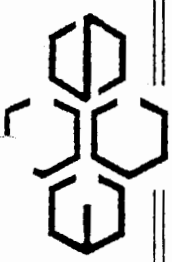
Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-6W-022-001	08/02/07	0920	W	7	A/B	1,4-DIOXANE, DCOB, 8(2)		W1978
KEP-6W-024-001		1115		7	A/B			W1982
KEP-6W-023B-001		1442		9	A/B			W1980
KEP-6W-023A-001		1510		4	A			W1979
KEP-6W-020A-001		1609		4	A			W1974
KEP-6W-020B-001		1728		4	A			W1975
KEP-6W-010A-001		1943		4	A			W1957
KEP-6W-010B-001		2017		4	A			W1958

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

Relinquished By: *Chuck Perl* Date/Time: *8/2/07 2:00*
 Received By: *Samuel Hurdal* Date/Time: *8/2/07 2:00*

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 *on file*



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Madison, WI 53718
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CHAIN OF CUSTODY

No. **012833**

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:

Project Number: _____
 Project Name: KULTMAN ELECTRIC
 Project Location: CHRISTIE SPRINGS
 Sampled By (Print): Chuck Paul

Mail Report To:
 Company: MARTIN + SCACEL
 Address: _____

P.O. No.: _____ Quote No.: _____

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-GW-019-001	8/3/07	0930	W	4	A	1,4-Dioxane, 82608, 8121		W1973
KEP-GW-026-001		1020						W1984
KEP-GW-015A-001		1415						W1966
KEP-GW-021B-001		1459						W1977
KEP-GW-005-006		1570						W1952
<i>[Handwritten Signature]</i>								

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

Relinquished By: Charles Paul Date/Time: 8/3/07 1520
 Received By: [Signature] Date/Time: 8/3/07 1520

Custody Seal: Present/Absent
 Shipped Via: _____
 Receipt Temp: _____
 Temp Blank Y N OK

Appendix B

FEDEX shipping label for Paradigm Labs

Please print and press hard.
Sender's FedEx Account Number 1811-4189-1
Sender's Name HUCK PERL Phone (910) 350-1903
Company SGS ENVIRONMENTAL SVC
Address 5500 BUSINESS DR
City WILMINGTON State NC ZIP 28405-8446

Internal Billing Reference OPTIONAL

Internal Billing Reference
SGS RNV, Phone (910) 350 1903
SGS RNV
5500 BUSINESS DR.
Dept./Floor/Suite/Room

Package held at a specific FedEx location, print FedEx address here.
WILMINGTON State NC ZIP 28405-8446
0356033367

Schedule a pickup at fedex.com
Simplify your shipping. Manage your account. Access all the tools you need.

Please print and press hard.
Sender's FedEx Account Number 1811-4189-1
Sender's Name HUCK PERL Phone (910) 350-1903
Company SGS ENVIRONMENTAL SVC
Address 5500 BUSINESS DR
City WILMINGTON State NC ZIP 28405-8446

Internal Billing Reference OPTIONAL

Internal Billing Reference
SAMPLE CUSTOMER, Phone (910) 350-1903
SGS ENVIRONMENTAL
5500 BUSINESS DR.
Dept./Floor/Suite/Room

Package held at a specific FedEx location, print FedEx address here.
WILMINGTON State NC ZIP 28405-8446
0356033367

Find drop-off locations at fedex.com
Simplify your shipping. Manage your account. Access all the tools you need.

4a Express Package Service
 FedEx Priority Overnight
 FedEx Standard Overnight
 FedEx First Overnight
 FedEx 2Day
 FedEx Express Saver
* To most locations.

4b Express Freight Service
 FedEx 1Day Freight*
 FedEx 2Day Freight
 FedEx 3Day Freight
* Call for Confirmation: ** To most locations.

5 Packaging
 FedEx Envelope*
 FedEx Pak*
 FedEx Box
 FedEx Tube
 Other
* Declared value limit \$500.

6 Special Handling
 SATURDAY Delivery
 HOLD Weekday at FedEx Location
 HOLD Saturday at FedEx Location
Does this shipment contain dangerous goods?
 No
 Yes
 Dry Ice
 Cargo Aircraft Only

7 Payment Bill to:
 Sender
 Recipient
 Third Party
 Credit Card
 Cash/Check

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

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

8 Residential Delivery Signature Options
 No Signature Required
 Direct Signature
 Indirect Signature
519

4a Express Package Service
 FedEx Priority Overnight
 FedEx Standard Overnight
 FedEx First Overnight
 FedEx 2Day
 FedEx Express Saver
* To most locations.

4b Express Freight Service
 FedEx 1Day Freight*
 FedEx 2Day Freight
 FedEx 3Day Freight
* Call for Confirmation: ** To most locations.

5 Packaging
 FedEx Envelope*
 FedEx Pak*
 FedEx Box
 FedEx Tube
 Other
* Declared value limit \$500.

6 Special Handling
 SATURDAY Delivery
 HOLD Weekday at FedEx Location
 HOLD Saturday at FedEx Location
Does this shipment contain dangerous goods?
 No
 Yes
 Dry Ice
 Cargo Aircraft Only

7 Payment Bill to:
 Sender
 Recipient
 Third Party
 Credit Card
 Cash/Check

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

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

8 Residential Delivery Signature Options
 No Signature Required
 Direct Signature
 Indirect Signature
519

From *Please print and press hard.*
Date 9/3/07 Sender's FedEx Account Number 1811-4189-1
Phone (910) 350-1903

Company SGS ENVIRONMENTAL SVC
Address 5500 BUSINESS DR
City WILMINGTON State NC ZIP 28405-8446

Your Internal Billing Reference OPTIONAL
First 24 characters will appear on invoice.

To Recipient's Name SGS ENVIRONMENTAL
Phone (910) 350-1903

Recipient's Address 5500 BUSINESS DR
City WILMINGTON State NC ZIP 28405-8446

0356033367

4a Express Package Service
 FedEx Priority Overnight
 FedEx Standard Overnight
 FedEx 2Day
 FedEx Express Saver
 FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service
 FedEx 1Day Freight*
 FedEx 2Day Freight
 Call for Confirmation.

5 Packaging
 FedEx Envelope*
 FedEx Pak*
 FedEx Box
 FedEx Tube
 Other
 * Declared value limit \$500.

6 Special Handling
 SATURDAY Delivery
 HOLD Weekday at FedEx Location
 HOLD Saturday at FedEx Location
 Does this shipment contain dangerous goods?
 No
 Yes As per attached Shipper's Declaration.
 Yes Shipper's Declaration not required.
 Dry Ice
 Cargo Aircraft Only

7 Payment Bill to:
 Sender
 Recipient
 Third Party
 Credit Card
 Cash/Check

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

*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options
 No Signature Required
 Direct Signature
 Indirect Signature
 If you require a signature, check Direct or Indirect.

519



Appendix C

Chain of Custody Sheets for samples sent to Paradigm Labs

Paradigm Analytical:

Chlorinated Benzenes

1,3,5-Trichlorobenzene

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

1,2,3,4-Tetrachlorobenzene

1,2,4,5-Tetrachlorobenzene

1,2,3,5-Tetrachlorobenzene

Pentachlorobenzene

Hexachlorobenzene