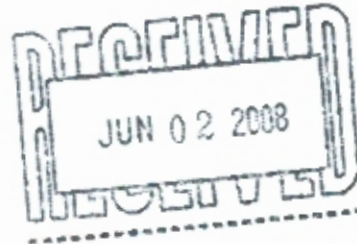




May 30, 2008



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,

for Joseph Kubale

Enclosure

Environmental Chemistry Consulting Services, Inc.

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

**Technical Memorandum**

**Kuhlman Electric Corporation (KEC)**

**Crystal Springs, Mississippi**



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## TECHNICAL MEMORANDUM

May 30, 2008

To: Robert Martin  
Martin and Slagle

From: Joseph Kubale *Kubale for*  
ECCS

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

### Introduction

This Technical Memorandum provides documentation of the analytical test methods used to analyze water samples collected in March 2008 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 and by direct injection GC/MSD/SIM for 1,4-Dioxane.

### 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
Bromomethane	1.0
Chloroethane	1.0
Trichlorofluoromethane	1.0

Purge and Trap GC/MSD

---

Environmental Chemistry Consulting Services, Inc.

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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	2.0
Toluene	1.0
trans-1,3-Dichloropropene	1.0
1,1,2-Trichloroethane	1.0
Tetrachloroethene	1.0
1,3-Dichloropropane	1.0
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
1,3,5-Trichlorobenzene	1.0
1,2,4-Trichlorobenzene	1.0
Hexachlorobutadiene	1.0

Purge and Trap GC/MSD

Naphthalene	3.0
1,2,3-Trichlorobenzene	1.0

Direct Injection GC/MSD/SIM

1,4-Dioxane	1.0
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A summary of volatile test results is provided in Table 1. A summary of method blanks and matrix spike/matrix spike duplicate data is provided in Table 3 and 4.

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 Columbia Analytical Services, Inc.
- C) Chain of custody sheets for samples sent to Columbia Analytical Services, Inc.

### **VOC Method Summary**

#### **Water Samples**

Water samples were provided by the client to the 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 Logbook 150.

### **1,4-Dioxane Method Summary**

### Water Samples

Water samples were provided by the client to the lab in 1L amber bottle. 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 methanol 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 Logbook 150.

**Table 1**

**Sample Results Volatiles– March**

TABLE 1

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

VOLATILES	W2217 KEP- GW- 011A-003	W2242 KEP- Duplicate 1	W2204 KEP- FB- 016	W2218 KEP- GW- 011B-003	W2214 KEP- GW- 010A-003	W2216 KEP- GW- 010C-003	W2236 KEP- GW- 023A-003	W2237 KEP- GW- 023B-003	W2240 KEP- GW- 026-003	Depth Date Collected Time Collected Date Analyzed Reporting Limit ug/L		
											16	17
1,4-Dioxane	1.0	108	103	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
1,4-Dioxane-d8	%	108	103	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
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	71	79	1.0	1.0	1.0	1.0	1.0	1.0	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	3.2	3.3	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	1.9	2.0	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	2.6	2.8	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	1.0	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	1.0	1.0	1.0		
1,1,2-Trichloroethane	1.0	7.7	7.9	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	1.0	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		



TABLE 1

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

VOLATILES	Depth Date Collected Time Collected Date Analyzed Reporting Limit ug/L	W2217	W2242	W2204	W2218	W2214	W2216	W2236	W2237	W2240
		KEP- GW- 011A-003	KEP- Duplicate 1	KEP- FB- 016	KEP- GW- 011B-003	KEP- GW- 010A-003	KEP- GW- 010C-003	KEP- GW- 023A-003	KEP- GW- 023B-003	KEP- GW- 026-003
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
Xylenes, Total	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
Bromoform	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
1,1,2,2-Tetrachloroethane	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
1,2,3-Trichloropropane	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
2-Chlorotoluene	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
4-Chlorotoluene	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
1,2,4-Trimethylbenzene	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
1,3-Dichlorobenzene	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
1,4-Dichlorobenzene	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
1,2-Dichlorobenzene	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
1,3,5-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	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
Naphthalene	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
Surrogates:										
Dibromofluoromethane	%	100	98.5	101	109	98.3	101	102	96.4	110
Toluene-D8	%	96.4	99.6	100	97.8	102	105	99.7	101	95.4
4-Bromofluorobenzene	%	96.8	97.3	98.8	97.4	100	101	97.8	97.9	96.4

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

	W2230 KEP- GW- 019-003	W2220 KEP- GW- 013-003	W2215 KEP- GW- 010B-003	W2221 KEP- GW- 014A-003	W2222 KEP- GW- 014B-003	W2223 KEP- GW- 015A-003	W2224 KEP- GW- 015B-003	W2226 KEP- GW- 017A-003	W2227 KEP- GW- 017B-003	Depth		
										Date Collected	Date Collected	Date Collected
VOLATILES	1.0	1.0	4.3	1.0	1.0	2.2	4.5	1.3	1.0	1.0	1.0	1.0
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
1,4-Dioxane-d8	106	107	87.3	94.9	103	97.7	91.9	92.3	86.9			
	%											
Dichlorodifluoromethane	1.0	< 1.0	< 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	< 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	< 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	< 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	< 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	< 1.0	< 1.0
1,1-Dichloroethene	1.0	< 1.0	5.6	< 1.0	< 1.0	38	8.6	47	12			
Methylene Chloride	1.0	< 1.0	< 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	< 1.0	< 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	< 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	< 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	< 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	< 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	< 1.0	< 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	< 1.0	< 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	< 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	< 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	< 1.0	< 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	< 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	< 1.0	< 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	< 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	< 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	< 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	< 2.0	< 2.0
Toluene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 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	< 1.0	< 1.0
Tetrachloroethene	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-Dichloropropane	1.0	< 1.0	< 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	< 1.0	< 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	< 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	W2230		W2220		W2215		W2221		W2222		W2223		W2224		W2226		W2227	
		KEP- GW-	25-Mar-08 17:25 26-Mar-08 27-Mar-08	KEP- GW-	25-Mar-08 19:40 27-Mar-08	KEP- GW-	25-Mar-08 20:20 26-Mar-08 27-Mar-08	KEP- GW-	26-Mar-08 10:30 26-Mar-08 27-Mar-08	KEP- GW-	26-Mar-08 10:53 26-Mar-08 27-Mar-08	KEP- GW-	26-Mar-08 13:40 26-Mar-08 27-Mar-08	KEP- GW-	26-Mar-08 14:10 26-Mar-08 27-Mar-08	KEP- GW-	26-Mar-08 16:25 27-Mar-08 28-Mar-08	KEP- GW-	26-Mar-08 17:30 27-Mar-08 28-Mar-08
Chlorobenzene	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
1,1,1,2-Tetrachloroethane	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
Ethyl Benzene	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
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	< 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	< 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	%	96.4	94.1	93.4	94.1	95.7	94.1	96.8	95.2	97.1	95.3	96.8	95.2	97.1	95.3	96.8	95.2	97.1	95.3
Toluene-D8	%	98.2	98.0	107	98.0	98.5	102	103	101	104	101	103	101	104	101	104	101	104	101
4-Bromofluorobenzene	%	99.1	95.8	101	95.8	98.6	99.3	99.9	99.4	101	98.2	99.9	99.4	101	98.2	99.9	99.4	101	98.2

TABLE 1

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

VOLATILES	W2206 KEP- GW- 002-008	W2208 KEP- GW- 004-008	W2219 KEP- GW- 012-003	W2225 KEP- GW- 016-003	W2228 KEP- GW- 018A-003	W2229 KEP- GW- 018B-003	W2233 KEP- GW- 021A-003	W2234 KEP- GW- 021B-003	W2211 KEP- GW- 007-008	Depth Date Collected Time Collected Date Analyzed Reporting Limit ug/L
1,4-Dioxane	4.8	< 1.0	< 1.0	< 1.0	6.3	< 1.0	2.3	< 1.0	< 1.0	1.0
1,4-Dioxane-d8	103	105	99.5	99.2	114	107	104	99.1	92.4	%
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	14	20	< 1.0	< 1.0	33	11	44	3.2	< 1.0	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	< 1.0	< 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	< 1.0	< 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	2.1	< 1.0	< 1.0	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

TABLE 1

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

VOLATILES	W2206		W2208		W2219		W2225		W2228		W2229		W2233		W2234		W2211	
	KEP- GW-	002-008	KEP- GW-	004-008	KEP- GW-	012-003	KEP- GW-	016-003	KEP- GW-	018A-003	KEP- GW-	018B-003	KEP- GW-	021A-003	KEP- GW-	021B-003	KEP- GW-	007-008
	Date Collected	19:05	26-Mar-08	19:30	27-Mar-08	09:55	27-Mar-08	10:45	27-Mar-08	13:28	27-Mar-08	13:45	27-Mar-08	15:30	27-Mar-08	16:30	27-Mar-08	19:30
	Time Collected	27-Mar-08	27-Mar-08	27-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08	29-Mar-08
	Date Analyzed	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08	28-Mar-08
	Reporting Limit	1.0	1.0	1.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	ug/L	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Chlorobenzene	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	<
Ethyl Benzene	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<
Xylenes, Total	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	<
Bromoform	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	<
1,1,2,2-Tetrachloroethane	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	<
1,2,3-Trichloropropane	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	<
2-Chlorotoluene	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	<
4-Chlorotoluene	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	<
1,2,4-Trimethylbenzene	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	<
1,3-Dichlorobenzene	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	<
1,4-Dichlorobenzene	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	<
1,2-Dichlorobenzene	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	<
1,3,5-Trichlorobenzene	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	<
Hexachlorobutadiene	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	<
1,2,3-Trichlorobenzene	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<
Surrogates:																		
Dibromofluoromethane	%	92.4	94.4	105	102	95.4	97.3	97.6	98.1	96.2	97.8	98.1	98.1	98.1	97.8	98.1	99.3	99.3
Toluene-D8	%	105	105	103	119	102	115	102	104	97.0	98.2	101	101	98.2	97.8	98.2	97.8	97.8
4-Bromofluorobenzene	%	102	101	101	115	98.3	115	98.3	97.0	94.8	96.8	96.8	96.8	94.8	94.8	94.8	97.2	97.2

TABLE 1

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

VOLATILES	Date Collected Time Collected Date Analyzed Reporting Limit ug/L	W2212 KEP- GW- 008-008	W2239 KEP- GW- 025-003	W2241 KEP- GW- 027-003	W2238 KEP- GW- 024-003	W2231 KEP- GW- 020A-003	W2243 KEP- Duplicate 2	W2232 KEP- GW- 020B-003	W2210 KEP- GW- 006-008	W2235 KEP- GW- 022-003
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.0
1,4-Dioxane-d8	%	98.6	94.1	88.8	102	98.9	81.0	95.7	91.9	95.3
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	3.3	1.8	1.0	1.0	3.8	2.3	14	11	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	< 1.0	< 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	< 1.0	< 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	< 1.0	< 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

TABLE 1

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

VOLATILES	Date Collected Time Collected Date Analyzed Reporting Limit ug/L	W2212	W2239	W2241	W2238	W2231	W2243	W2232	W2210	W2235
		KEP- GW- 008-008	KEP- GW- 025-003	KEP- GW- 027-003	KEP- GW- 024-003	KEP- GW- 020A-003	KEP- GW- Duplicate 2	KEP- GW- 020B-003	KEP- GW- 006-008	KEP- GW- 022-003
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
Xylenes, Total	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
Bromoform	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
1,1,2,2-Tetrachloroethane	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
1,2,3-Trichloropropane	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
2-Chlorotoluene	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
4-Chlorotoluene	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
1,2,4-Trimethylbenzene	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
1,3-Dichlorobenzene	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
1,4-Dichlorobenzene	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
1,2-Dichlorobenzene	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
1,3,5-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	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
Naphthalene	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
Surrogates:										
Dibromofluoromethane	%	98.0	102	104	105	101	99.8	98.9	102	106
Toluene-D8	%	99.5	95.0	92.6	104	95.5	97.4	109	97.6	94.9
4-Bromofluorobenzene	%	97.1	95.4	95.8	100	97.6	97.7	106	98.3	95.4

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

VOLATILES	Reporting Limit ug/L	W2213		W2207		W2209	
		KEP- GW- 009-006	29-Mar-08 11:45	KEP- GW- 003-008	29-Mar-08 12:20	KEP- GW- 005-008	29-Mar-08 15:35
1,4-Dioxane	1.0	< 1.0	< 1.0	27	< 1.0	< 1.0	
1,4-Dioxane-d8	%	92.9	98.6	97.5			
Dichlorodifluoromethane	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	
Vinyl chloride	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	
Chloroethane	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	
1,1-Dichloroethene	1.0	10	32	< 1.0	< 1.0	< 1.0	
Methylene Chloride	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	
1,1-Dichloroethane	1.0	< 1.0	2.6	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	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	
Bromochloromethane	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	
1,1,1-Trichloroethane	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	
Carbon Tetrachloride	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	
1,2-Dichloroethane	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	
1,2-Dichloropropane	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	
Bromodichloromethane	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	
Toluene	1.0	< 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	
1,1,2-Trichloroethane	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	
1,3-Dichloropropane	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	
1,2-Dibromoethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	



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

VOLATILES	ug/L	Date Collected	Depth	W2213			W2207			W2209		
				KEP- GW- 009-006	KEP- GW- 003-008	KEP- GW- 005-008	KEP- GW- 003-008	KEP- GW- 005-008	KEP- GW- 005-008	KEP- GW- 005-008		
Chlorobenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,1,2-Tetrachloroethane	1.0	29-Mar-08	12:20	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Ethyl Benzene	1.0	30-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Xylenes, Total	2.0	29-Mar-08	11:45	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Styrene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Bromoform	2.0	29-Mar-08	11:45	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Isopropylbenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,2,2-Tetrachloroethane	2.0	29-Mar-08	11:45	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Bromobenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trichloropropane	2.0	29-Mar-08	11:45	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
n-Propylbenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
2-Chlorotoluene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,3,5-Trimethylbenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
4-Chlorotoluene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
tert-Butylbenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,4-Trimethylbenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
sec-Butylbenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,3-Dichlorobenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
p-Isopropyltoluene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,4-Dichlorobenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
n-Butylbenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dichlorobenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dibromo-3-Chloropropane	2.0	29-Mar-08	11:45	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
1,3,5-Trichlorobenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,4-Trichlorobenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Hexachlorobutadiene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Naphthalene	3.0	29-Mar-08	11:45	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	
1,2,3-Trichlorobenzene	1.0	29-Mar-08	11:45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Surrogates:												
Dibromofluoromethane	%			102	103	105						
Toluene-D8	%			94.6	103	93.4						
4-Bromofluorobenzene	%			95.8	104	93.1						

**Table 2**

**QC Results Volatiles– March**

Table 2  
QC Results

Lab # associated with qc samples collected 3/24/08, 3/25/08 and 3/26/08

	Matrix Spike	Matrix Spike Duplicate	Blank	Blank	Blank
Date Analyzed:	W2215	W2215	3/25/08	3/26/08	3/27/08

Compound	% Rec	% Rec	RPD	ug/L	ug/L	ug/L
Dichlorodifluoromethane	108%	85.6%	23.1%	< 1.0	< 1.0	< 1.0
Chloromethane	138%	93.4%	38.7%	< 1.0	< 1.0	< 1.0
Vinyl chloride	112%	90.6%	21.5%	< 1.0	< 1.0	< 1.0
Bromomethane	129%	85.2%	40.6%	< 1.0	< 1.0	< 1.0
Chloroethane	109%	92.6%	16.3%	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	84.0%	90.6%	7.6%	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	96.8%	96.8%	0.0%	< 1.0	< 1.0	< 1.0
Methylene chloride	124%	115%	7.5%	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	91.4%	96.0%	4.9%	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	97.2%	99.2%	2.0%	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	93.8%	95.8%	2.1%	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	90.4%	100%	10.3%	< 1.0	< 1.0	< 1.0
Bromochloromethane	95.8%	99.6%	3.9%	< 1.0	< 1.0	< 1.0
Chloroform	96.2%	101%	5.3%	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	90.4%	95.2%	5.2%	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	92.0%	94.8%	3.0%	< 1.0	< 1.0	< 1.0
Carbon tetrachloride	93.2%	96.2%	3.2%	< 1.0	< 1.0	< 1.0
Benzene	96.0%	97.2%	1.2%	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	102%	100%	1.8%	< 1.0	< 1.0	< 1.0
Trichloroethene	97.2%	96.8%	0.4%	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	96.2%	100%	4.1%	< 1.0	< 1.0	< 1.0
Dibromomethane	109%	99.6%	8.6%	< 1.0	< 1.0	< 1.0
Bromodichloromethane	102%	99.6%	2.0%	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	103%	97.0%	5.8%	< 2.0	< 2.0	< 2.0
Toluene	113%	97.8%	14.6%	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	108%	104%	4.0%	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	112%	104%	7.0%	< 1.0	< 1.0	< 1.0
Tetrachloroethene	113%	101%	11.2%	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	109%	99.4%	9.0%	< 1.0	< 1.0	< 1.0
Dibromochloromethane	114%	101%	12.7%	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	116%	102%	13.2%	< 1.0	< 1.0	< 1.0
Chlorobenzene	101%	99.8%	0.8%	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	88.4%	97.4%	9.7%	< 1.0	< 1.0	< 1.0
Ethyl benzene	95.8%	96.8%	1.0%	< 1.0	< 1.0	< 1.0

Table 2  
QC Results

Lab # associated with qc samples collected 3/24/08, 3/25/08 and 3/26/08

	Matrix Spike	Matrix Spike Duplicate	Blank	Blank	Blank
Date Analyzed:	W2215	W2215	3/25/08	3/26/08	3/27/08

Compound	% Rec	% Rec	RPD	ug/L	ug/L	ug/L
Xylenes, Total	101%	97.4%	4.0%	< 2.0	< 2.0	< 2.0
Styrene	106%	98.0%	8.2%	< 1.0	< 1.0	< 1.0
Bromoform	104%	98.4%	5.1%	< 2.0	< 2.0	< 2.0
Isopropylbenzene	105%	97.4%	7.5%	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	109%	102%	6.8%	< 2.0	< 2.0	< 2.0
Bromobenzene	112%	99.2%	12.3%	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	110%	103%	6.0%	< 2.0	< 2.0	< 2.0
n-Propylbenzene	112%	98.4%	13.1%	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	113%	98.6%	13.4%	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	115%	99.0%	15.0%	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	116%	102%	13.6%	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	112%	96.0%	15.6%	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	119%	99.2%	18.3%	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	118%	99.4%	17.1%	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	98.6%	105%	6.5%	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	98.4%	99.4%	1.0%	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	102%	102%	0.6%	< 1.0	< 1.0	< 1.0
n-Butylbenzene	103%	102%	0.8%	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	101%	104%	2.9%	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	102%	101%	1.2%	< 2.0	< 2.0	< 2.0
1,3,5-Trichlorobenzene	102%	104%	2.1%	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	103%	104%	1.2%	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	101%	101%	0.0%	< 1.0	< 1.0	< 1.0
Naphthalene	100%	105%	4.3%	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	101%	105%	3.1%	< 1.0	< 1.0	< 1.0

Table 2  
QC Results

Lab # associated with qc samples collected 3/27/08, 3/28/08 and 3/29/08

	Matrix Spike	Matrix Spike Duplicate	RPD	Blank 3/27/08	Blank 3/28/08	Blank 3/30/08
Date Analyzed:	W2225	W2225		3/27/08	3/28/08	3/30/08
Compound	% Rec	% Rec	RPD	ug/L	ug/L	ug/L
Dichlorodifluoromethane	88.0%	87.2%	0.9%	< 1.0	< 1.0	< 1.0
Chloromethane	109%	102%	7.0%	< 1.0	< 1.0	< 1.0
Vinyl chloride	97.8%	96.2%	1.6%	< 1.0	< 1.0	< 1.0
Bromomethane	103%	100%	3.1%	< 1.0	< 1.0	< 1.0
Chloroethane	108%	100%	7.1%	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	102%	94.4%	7.7%	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	104%	102%	2.3%	< 1.0	< 1.0	< 1.0
Methylene chloride	121%	110%	9.2%	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	102%	96.4%	5.3%	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	103%	97.2%	6.2%	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	95.8%	96.6%	0.8%	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	96.8%	91.8%	5.3%	< 1.0	< 1.0	< 1.0
Bromochloromethane	95.4%	93.4%	2.1%	< 1.0	< 1.0	< 1.0
Chloroform	99.0%	96.2%	2.9%	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	98.4%	94.2%	4.4%	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	96.6%	96.4%	0.2%	< 1.0	< 1.0	< 1.0
Carbon tetrachloride	96.4%	96.0%	0.4%	< 1.0	< 1.0	< 1.0
Benzene	97.0%	98.0%	1.0%	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	100%	98.4%	1.6%	< 1.0	< 1.0	< 1.0
Trichloroethene	96.2%	96.2%	0.0%	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	98.0%	96.8%	1.2%	< 1.0	< 1.0	< 1.0
Dibromomethane	97.4%	97.0%	0.4%	< 1.0	< 1.0	< 1.0
Bromodichloromethane	99.6%	96.2%	3.5%	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	95.0%	97.2%	2.3%	< 2.0	< 2.0	< 2.0
Toluene	99.0%	100%	1.4%	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	96.6%	99.0%	2.5%	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	100%	101%	1.4%	< 1.0	< 1.0	< 1.0
Tetrachloroethene	98.2%	97.6%	0.6%	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	98.4%	97.6%	0.8%	< 1.0	< 1.0	< 1.0
Dibromochloromethane	96.2%	97.4%	1.2%	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	97.8%	98.4%	0.6%	< 1.0	< 1.0	< 1.0
Chlorobenzene	101%	98.8%	2.4%	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	97.0%	93.0%	4.2%	< 1.0	< 1.0	< 1.0
Ethyl benzene	97.8%	97.0%	0.8%	< 1.0	< 1.0	< 1.0

Table 2  
QC Results

Lab # associated with qc samples collected 3/27/08, 3/28/08 and 3/29/08

	Matrix Spike	Matrix Spike Duplicate	Blank	Blank	Blank
Date Analyzed:	W2225	W2225	3/27/08	3/28/08	3/30/08

Compound	% Rec	% Rec	RPD	ug/L	ug/L	ug/L
Xylenes, Total	99.3%	98.1%	1.2%	< 2.0	< 2.0	< 2.0
Styrene	99.0%	99.4%	0.4%	< 1.0	< 1.0	< 1.0
Bromoform	97.4%	99.0%	1.6%	< 2.0	< 2.0	< 2.0
Isopropylbenzene	99.6%	97.6%	2.0%	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	105%	101%	3.1%	< 2.0	< 2.0	< 2.0
Bromobenzene	99.4%	100%	0.6%	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	104%	100%	4.1%	< 2.0	< 2.0	< 2.0
n-Propylbenzene	101%	101%	0.4%	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	102%	102%	0.6%	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	100%	102%	2.0%	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	102%	103%	1.0%	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	98.4%	99.4%	1.0%	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	99.6%	102%	2.0%	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	101%	103%	2.0%	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	104%	106%	1.3%	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	101%	100%	0.6%	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	104%	101%	2.1%	< 1.0	< 1.0	< 1.0
n-Butylbenzene	104%	103%	1.0%	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	104%	104%	0.2%	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	106%	103%	2.9%	< 2.0	< 2.0	< 2.0
1,3,5-Trichlorobenzene	102%	102%	0.0%	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	103%	101%	2.0%	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	99.0%	99.0%	0.0%	< 1.0	< 1.0	< 1.0
Naphthalene	103%	104%	1.2%	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	103%	104%	0.8%	< 1.0	< 1.0	< 1.0

**Table 3**

**QC Results 1,4-Dioxane– March**

Table 3  
QC Results

Lab # associated with qc samples extracted 03/25/08

	Matrix Spike	Matrix Spike Duplicate	LCS	Blank
	W2237	W2237		
Date Extracted:	03/25/08	03/25/08	03/25/08	03/25/08
Date Analyzed:	03/27/08	03/27/08	03/27/08	03/27/08

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	99.3%		115%	14.7%		104%	< 1.0



Table 3  
QC Results

Lab # associated with qc samples extracted 03/27/08

	Matrix Spike	Matrix Spike Duplicate	LCS	Blank
	W2206	W2206		
Date Extracted:	03/27/08	03/27/08	03/27/08	03/27/08
Date Analyzed:	03/28/08	03/28/08	03/27/08	03/27/08

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	97.1%		87.7%	10.2%		112%	< 1.0

Table 3  
QC Results

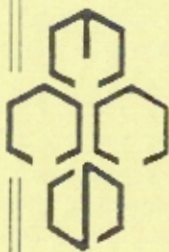
Lab # associated with qc samples extracted 03/29/08

	Matrix Spike	Matrix Spike Duplicate	LCS	Blank
	W2207	W2207		
Date Extracted:	03/29/08	03/29/08	03/29/08	03/29/08
Date Analyzed:	03/30/08	03/30/08	03/30/08	03/27/08

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	88.6%		95.4%	7.4%		101%	< 1.0

## Appendix A

### Chain of Custody Sheets for Samples



**Environmental Chemistry  
Consulting Services, Inc.**

2525 Advance Road  
Phone 608-221-8700

**CHAIN OF CUSTODY**  
*Monitoring Well*

Madison, WI 53718  
FAX 608-221-4889

No. **013541** \*  
Page 1 of 1

Turn Around (circle one) Normal Rush  
Report Due:

Project Number: \_\_\_\_\_ Mail Report To: \_\_\_\_\_  
 Project Name: **K&H HAND EMENTAL** Company: **MARVIN + SUTELLE**  
 Project Location: **CRIMINAL SPILLERS** Address: \_\_\_\_\_  
 Sampled By (Print): **Chuck Paul** P. O. No.: \_\_\_\_\_ Quote No.: \_\_\_\_\_

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-CW-011A-003	3/24/08	1615	W	10	A/B	ELC08 + 1,4Diver		W2217
DUPLICATE 1	3/24/08	—	W	7	A/B			W2242
KEP-FB-016	3/24/08	1630	W	4	A			W2204
KEP-CW-011B-003	3/24/08	1635	W	4	A			W2218
KEP-CW-010A-003	3/24/08	2015	W	7	A/B			W2214
KEP-CW-010C-003	3/24/08	2030	W	4	A			W2216
<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:			Date/Time:			Received By:		
Relinquished By: <i>Charles O.M. Paul</i>			Date/Time: <i>3/24/08 2100</i>			Received By: <i>[Signature]</i>		
Custody Seal: Present/Absent			Inlet/Not Inlet			Seal #'s		
Shipped Via			Receipt Temp:			Temp Blank Y N		
						<i>in fridge &lt; 4°C</i>		
Date/Time:								Date/Time:
								<i>3/25/08 0930</i>



**Environmental Chemistry Consulting Services, Inc.**  
 2525 Advance Road  
 Phone 608-221-8700

Madison, WI 53718  
 FAX 608-221-4889

**CHAIN OF CUSTODY**  
*Monitoring well*

No. **013544** \*  
 Page 1 of 1

Turn Around (circle one) Normal Rush  
 Report Due:

Project Number

Mail Report To

Invoice To:

Project Name: *KULTMUND ELECTRIC*

Company: *MATTIN + SCHUE*

Company:

Project Location: *CAYMAN SLIDERS*

Address:

Address:

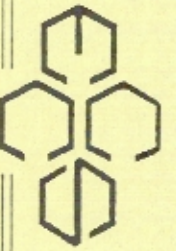
Sampled By (Print):

*Chuck Paul*

P.O. No.:

Quote No.:

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
<i>KEP-GW-027A-003</i>	<i>3/25/08</i>	<i>1015</i>	<i>W</i>	<i>7</i>	<i>N/B</i>	<i>SZC08 + 1,4 Dioxane</i>		<i>W2236</i>
<i>KEP-GW-023B-003</i>		<i>1055</i>		<i>4</i>	<i>A</i>			<i>W2237</i>
<i>KEP-GW-026-003</i>		<i>1530</i>		<i>7</i>	<i>N/B</i>			<i>W2240</i>
<i>KEP-GW-019-003</i>		<i>1725</i>		<i>7</i>	<i>N/B</i>			<i>W2230</i>
<i>KEP-GW-013-003</i>		<i>1940</i>		<i>4</i>	<i>A</i>			<i>W2220</i>
<i>KEP-GW-010B-003</i>		<i>2020</i>		<i>4</i>	<i>A</i>			<i>W2215</i>
<i>[Signature]</i>								
*Preservation Code								
A=None B:HCL C:H2SO4								
D:HNO3 E=Encore F=Methanol								
G=NaOH O=Other(Indicate)								
Relinquished By: <i>Charles O.M. Paul</i>								
Date/Time: <i>3/25/08 2100</i>								
Received By: <i>[Signature]</i>								
Date/Time: <i>3/26/08 0830</i>								
Receipt Temp: <i>in fridge &lt; 4°C</i>								
Temp Blank Y N								
Shipped Via								



**Environmental Chemistry Consulting Services, Inc.**  
 2525 Advance Road  
 Phone 608-221-8700

Madison, WI 53718  
 FAX 608-221-4889

**CHAIN OF CUSTODY**  
*Maintaining wells*

No. **013552** \*  
 Page 1 of 1  
 Turn Around (circle one) Normal Rush  
 Report Due:

Project Number: \_\_\_\_\_  
 Project Name: *Kittanning Electric*  
 Project Location: *CHRYSLER SPARECS*  
 Sampled By (Print): *Chuck Paul*  
 Company: *MALTIU + SUTCLIFF*  
 Address: \_\_\_\_\_  
 Mail Report To: \_\_\_\_\_  
 P.O. No.: \_\_\_\_\_ Quote No.: \_\_\_\_\_

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
<i>KEP-GW-0144-003</i>	<i>3/24/05</i>	<i>1030</i>	<i>W</i>	<i>4</i>	<i>A</i>	<i>9208 + 1,4 Dioxin</i>		<i>W2221</i>
<i>KEP-GW-0148-003</i>								<i>W2222</i>
<i>KEP-GW-015A-003</i>								<i>W2223</i>
<i>KEP-GW-015B-003</i>								<i>W2224</i>
<i>KEP-GW-017A-003</i>								<i>W2226</i>
<i>KEP-GW-017B-003</i>								<i>W2227</i>
<i>KEP-GW-002-008</i>								<i>W220C</i>
<i>KEP-GW-004-008</i>								<i>W2208</i>

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

Custody Seal: Present/Absent In tact/Not In tact Seal #'s  
 Relinquished By: *[Signature]* Date/Time: *3/26/05 1545*  
 Relinquished By: *[Signature]* Date/Time: \_\_\_\_\_  
 Received By: *[Signature]* Date/Time: *3/27/05 0830*  
 Receipt Temp: \_\_\_\_\_ Temp Blank Y N *infudr@ccv*  
 Shipped Via: \_\_\_\_\_



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

CHAIN OF CUSTODY  
*Monitoring well*

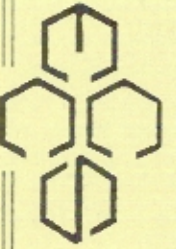
No. 013554 \*  
Page 1 of 1  
Turn Around (circle one) Normal Rush  
Report Due:

Project Number: \_\_\_\_\_  
Project Name: KUTUMBU ELECTRIC  
Project Location: CORPUS SPRINGS  
Sampled By (Print): Chuck Paul

Mail Report To: \_\_\_\_\_  
Company: MARTIN + SCHEE  
Address: \_\_\_\_\_

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

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	P.O. No.:	Quote No.:	Laboratory Number
	Date	Time							
<u>KEP-GW-012-003</u>	<u>3/27/08</u>	<u>0955</u>	<u>W</u>	<u>4</u>	<u>A</u>	<u>P2108 + 1,4Dioxane</u>			<u>W2219</u>
<u>KEP-GW-016-003</u>		<u>1045</u>							<u>W2225</u>
<u>KEP-GW-016A-003</u>		<u>1328</u>							<u>W2228</u>
<u>KEP-GW-016B-003</u>		<u>1345</u>							<u>W2229</u>
<u>KEP-GW-021A-003</u>		<u>1530</u>							<u>W2233</u>
<u>KEP-GW-021B-003</u>		<u>1630</u>							<u>W2234</u>
<u>KEP-GW-007-008</u>		<u>1930</u>							<u>W2211</u>
<u>KEP-GW-008-008</u>		<u>2008</u>							<u>W2212</u>
*Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH O=Other(Indicate)	Relinquished By: <u>Chk Paul</u>	Date/Time: <u>3/27/08 2019</u>	Relinquished By: <u>Chk Paul</u>	Date/Time: <u>3/27/08 2019</u>	Received By: <u>[Signature]</u>	Date/Time: <u>3/28/08 0830</u>	Received By: <u>[Signature]</u>	Date/Time: <u>3/28/08 0830</u>	
Custody Seal: Present/Absent	Intact/Not Intact	Seal #s			Receipt Temp: Temp Blank Y N				



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

**CHAIN OF CUSTODY**

No. **013557** \*

Page 1 of 1  
 Turn Around (circle one) Normal  Rush

Project Number: \_\_\_\_\_  
 Project Name: **KUTHAAN ECEMRE**  
 Project Location: **CALISTO SPRINGS**  
 Sampled By (Print): **Shelby Paul**

Mail Report To: \_\_\_\_\_  
 Company: **NATHAN & SUTELLE**  
 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-025-003	3/28/08	1149	W	4	A	P2008 + 1, V Dioxin		W2239
KEP-6W-027-003		1510		4	↓			W2241
KEP-6W-027-003		1520		4	↓			W2238
KEP-6W-024-003		1550		4	↓			W2238
KEP-6W-020A-003		1710		7	A/B			W2231
Duplicate 2		-		7	A/B			W2243
KEP-6W-020B-003		1820	↓	7	A/B			W2232

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

Relinquished By: \_\_\_\_\_  
 Date/Time: 3/28/08 1845

Received By: **Shelby Paul**  
 Date/Time: 3/28/08 1845

Received Temp: \_\_\_\_\_  
 Receipt Temp: \_\_\_\_\_  
 Temp Blank: Y N  
 Shipped Via: \_\_\_\_\_





Environmental Chemistry  
Consulting Services, Inc.

CHAIN OF CUSTODY  
Monitoring Well

No. **013558** \*  
Page 1 of 1  
Turn Around (circle one) Normal  Rush

2525 Advance Road  
Phone 608-221-8700

FAX 608-221-4889

Madison, WI 53718

Mail Report To:

Invoice To:

Company: **MARTIN + STACKE**  
Address:

Company:  
Address:

Address:

P. O. No.:

Quote No.:

Project Number: \_\_\_\_\_  
Project Name: **KUTHWIND ELECTRIC**  
Project Location: **CASHIN SPRINGS**  
Sampled By (Print): **Charles Paul**

Sample Description	Collection		Matrix	Total Bottles	Preserv.	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-GW-006-008	3/29/08	0925	W	4	A	Stark - 1, 4 Division		W2210
KEP-GW- <del>006</del> 003		1025		4				W2235
KEP-GW-009-006		1145		4				W2213
KEP-GW-003-008		1220		4				W2207
KEP-GW-005-008		1535		4				W2209

Preservation Code	Relinquished By:	Date/Time:	Received By:	Date/Time:
A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other(Indicate)	<i>Charles Paul</i>	3/29/08 1600	<i>Joseph Fubel</i>	3/29/08 1545

Custody Seal:	Present/Absent	Intact/Not Intact	Seal #'s	Receipt Temp:
				Temp Blank <input type="checkbox"/> Y <input type="checkbox"/> N <i>on ice</i>

**Appendix B**

**FEDEX shipping label for Columbia Analytical Services, Inc.**

**From** Please print and press hard  
Date **3/26/08** Sender's FedEx Account Number **226281991**

Sender's Name **Joe Kubala** Phone **608,345-1974**

Company **ECCS, INC**

Address **2525 ADVANCE RD**

City **MADISON** State **WI** ZIP **53718**

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

**To**  
Recipient's Name **SAMPLE CUSTODIAN** Phone **360,577-7222**

Company **COLUMBIA ANALYTICAL**

Address **1317 So 13th AVE**

City **KELSO** State **WA** ZIP **98626**

Try online shipping at [fedex.com](http://fedex.com)

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

Questions? Visit our Web site at [fedex.com](http://fedex.com)  
or call 1.800.Go.FedEx® 800.463.3339.

**4a Express Package Service** Packages up to 150 lbs. Delivery commitment may be later in some areas.

FedEx Priority Overnight Next business morning  
 FedEx Standard Overnight Next business afternoon  
 FedEx First Overnight Earliest next business morning delivery to select locations

FedEx 2Day Second business day  
 FedEx Express Saver Third business day

**4b Express Freight Service** Packages over 150 lbs. Delivery commitment may be later in some areas.

FedEx 1Day Freight\* Next business day  
 FedEx 2Day Freight Second business day  
 FedEx 3Day Freight Third business day

**5 Packaging** \* Declared value limit \$500

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

**6 Special Handling** Include FedEx address in Section 3

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

Does this shipment contain dangerous goods?  
 No One layer vessel for checklist.  
 Yes As per attached Shipper's Declaration  
 Yes Shipper's Declaration not required  
 Dry Ice Dry Ice, 3 UN 1845  
 Cargo Aircraft Only

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

Total Packages	Total Weight	Total Declared Value <sup>1</sup>
		\$ .00

<sup>1</sup>Our liability is limited to \$100 unless you declare a higher value. See back for details. FedEx Use Only

**3 Release Signature** Sign to authorize delivery without obtaining signature

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

446

Rev. Date 10/01/07 FedEx #1570124/01/08A-0001 FedEx #1990102 01/01/04 WCLD 02

**From** Please print and press hard  
Date **3/31/08** Sender's FedEx Account Number **226281991**

Sender's Name **Joe Kubala** Phone **608,345-1974**

Company **ECCS, INC**

Address **2525 ADVANCE RD**

City **MADISON** State **WI** ZIP **53718**

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

**To**  
Recipient's Name **SAMPLE CUSTODIAN** Phone **360,577-7222**

Company **COLUMBIA ANALYTICAL**

Address **1317 So 13th AVE**

City **KELSO** State **WA** ZIP **98626**

Try online shipping at [fedex.com](http://fedex.com)

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

Questions? Visit our Web site at [fedex.com](http://fedex.com)  
or call 1.800.Go.FedEx® 800.463.3339.

**4a Express Package Service** Packages up to 150 lbs. Delivery commitment may be later in some areas.

FedEx Priority Overnight Next business morning  
 FedEx Standard Overnight Next business afternoon  
 FedEx First Overnight Earliest next business morning delivery to select locations

FedEx 2Day Second business day  
 FedEx Express Saver Third business day

**4b Express Freight Service** Packages over 150 lbs. Delivery commitment may be later in some areas.

FedEx 1Day Freight\* Next business day  
 FedEx 2Day Freight Second business day  
 FedEx 3Day Freight Third business day

**5 Packaging** \* Declared value limit \$500

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

**6 Special Handling** Include FedEx address in Section 3

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

Does this shipment contain dangerous goods?  
 No One layer vessel for checklist.  
 Yes As per attached Shipper's Declaration  
 Yes Shipper's Declaration not required  
 Dry Ice Dry Ice, 3 UN 1845  
 Cargo Aircraft Only

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

Total Packages	Total Weight	Total Declared Value <sup>1</sup>
		\$ .00

<sup>1</sup>Our liability is limited to \$100 unless you declare a higher value. See back for details. FedEx Use Only

**3 Release Signature** Sign to authorize delivery without obtaining signature

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

446

Rev. Date 10/01/07 FedEx #1570124/01/08A-0001 FedEx #1990102 01/01/04 WCLD 02

## Appendix C

Chain of Custody Sheets for samples sent to Columbia Analytical Services, Inc.



An Employee - Owned Company

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1088

PAGE 1 OF 1 SR#: COC #

# CHAIN OF CUSTODY

PROJECT NAME <b>KULHUND ELECTRIC</b>		PROJECT NUMBER		PROJECT MANAGER <b>ROBERT MATRIU</b>		COMPANY ADDRESS <b>MATRIU + SCHAE</b>		CITY/STATE/ZIP <b>BLAKE HARRARD NC</b>		E-MAIL ADDRESS		PHONE #		FAX #	
SAMPLE SIGNATURE <i>Charles O.M. Pei</i>		DATE <b>3/29/08</b>		TIME <b>1710</b>		LAB I.D.		MATRIX		NUMBER OF CONTAINERS					
SAMPLE I.D.		DATE		TIME		LAB I.D.		MATRIX		<input type="checkbox"/> Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> <input type="checkbox"/> Volatile Organics 624 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> <input type="checkbox"/> Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen <input type="checkbox"/> Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> <input type="checkbox"/> PCB's <input type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> <input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> <input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> <input type="checkbox"/> Metals, Total or Dissolved (See list below) <input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> <input type="checkbox"/> pH, Cond., Cl, SO <sub>4</sub> , PO <sub>4</sub> , F, NO <sub>2</sub> , NO <sub>3</sub> , BOD, TSS, TDS (circle) <input type="checkbox"/> NH <sub>3</sub> -N, COD, Total-P, TKN, TOC, DOC (circle) NO <sub>2</sub> +NO <sub>3</sub> <input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> <input type="checkbox"/> 1,4 Dioxane by P270 SIM					
KEP-GW-020A-003		3/29/08		1710		W		S		X					
KEP-GW-020B-003		3/29/08		1820		W		Y		X					
Duplicate 2		3/29/08		---		W		S		X					
TRIP BLANK		---		---		W		Z		---					
REPORT REQUIREMENTS		INVOICE INFORMATION		TURNAROUND REQUIREMENTS		P.O. #		BILL TO:		SPECIAL INSTRUCTIONS/COMMENTS:					
I. Routine Report: Method Blank, Surrogate, as required <input checked="" type="checkbox"/> II. Report Dup., MS, MSD as required <input type="checkbox"/> III. Data Validation Report (includes all raw data) <input type="checkbox"/> IV. CLP Deliverable Report <input type="checkbox"/> V. EDD		P.O. # <b>6081 WARE</b> BILL TO: <b>6081 WARE</b>		24 hr. _____ 48 hr. _____ <input checked="" type="checkbox"/> Standard (10-15 working days) Provide FAX Results Requested Report Date _____		Circle which metals are to be analyzed: Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)		Report limit for 1,4 Dioxane 0.5ug/L Target list for P208 - Kulhond 1st							
RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature: <i>Charles O.M. Pei</i> Date/Time: <b>3/31/08 1400</b> Printed Name: <b>Charles O.M. Pei</b> Firm: <b>Pei Environmental</b>		Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____		Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____		Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____		Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____		Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____		Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____		Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____	

**CHAIN OF CUSTODY**

PROJECT NAME: <u>KULHMAN ELECTRIC</u>		PROJECT NUMBER: <u>        </u>				
PROJECT MANAGER: <u>ROBERT MATHIAS</u>		COMPARATIVE ADDRESS: <u>        </u>				
CITY/STATE/ZIP: <u>BLACK MOUNTAIN NC</u>		E-MAIL ADDRESS: <u>        </u>				
PHONE # <u>        </u>		FAX # <u>        </u>				
SAMPLER'S SIGNATURE: <u>[Signature]</u>						
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	<input type="checkbox"/> Semivolatile Organics by GC/MS <input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>
<u>REP-60-0118-003</u>	<u>3/24/08</u>	<u>1615</u>	<u>        </u>	<u>W 5</u>	<u>        </u>	<input type="checkbox"/> Volatile Organics <input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>
<u>Duplicate 1</u>	<u>3/24/08</u>	<u>        </u>	<u>        </u>	<u>W 5</u>	<u>        </u>	<input type="checkbox"/> Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>
<u>REP-60-010A-003</u>	<u>3/24/08</u>	<u>2015</u>	<u>        </u>	<u>W 4</u>	<u>        </u>	<input type="checkbox"/> Fuel Fingerprint (FIO) <input type="checkbox"/> NW-HCID Screen
<u>TRIP BLANK</u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>W 4</u>	<u>        </u>	<input type="checkbox"/> Oil & Grease/TRPH <input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<input type="checkbox"/> PCB's <input type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<input type="checkbox"/> Pesticides/Herbicides <input type="checkbox"/> 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<input type="checkbox"/> Metals, Total or Dissolved (See list below)
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	pH, Cond., Cl, SO <sub>4</sub> , PO <sub>4</sub> , F, NO <sub>2</sub> , NO <sub>3</sub> , BOD, TSS, TDS (circle)
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	NH <sub>3</sub> -N, COD, Total-P, TKN, TOC, DOC (circle) NO <sub>2</sub> +NO <sub>3</sub>
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	1,4Dioxane by P770 SIM
<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	REMARKS pub L # 146

**REPORT REQUIREMENTS**

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

**INVOICE INFORMATION**

P.O. #           
 BILL TO: BOBK WALKER

**TURNAROUND REQUIREMENTS**

- 24 hr.  48 hr.
- 5 Day Standard (10-15 working days)
- Provide FAX Results

Requested Report Date         

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg  
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

\*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:          (CIRCLE ONE)

**SPECIAL INSTRUCTIONS/COMMENTS:**

Report limit for 1,4Dioxane 0.5ug/L  
Target list for P2108 - Kulhman list

**RELINQUISHED BY:**

Signature: [Signature] Date/Time: 3/26/08 1400  
 Printed Name: Robert Mathias Firm:         

**RECEIVED BY:**

Signature:          Date/Time:           
 Printed Name:          Firm:         

**RELINQUISHED BY:**

Signature:          Date/Time:           
 Printed Name:          Firm:         

**RECEIVED BY:**

Signature:          Date/Time:           
 Printed Name:          Firm: