



December 11, 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,

Kari-Ann Bilhan
for Joseph Kubale

Enclosure

Technical Memorandum
Kuhlman Electric Corporation (KEC)
Crystal Springs, Mississippi



TECHNICAL MEMORANDUM

December 11, 2008

To: Robert Martin
Martin and Slagle

From: Joseph Kubale *Yak 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 December 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

Environmental Chemistry Consulting Services, Inc.

Purge and Trap GC/MSD

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

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 2 and 3.

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 196.

Table 1

Sample Results Volatiles- December

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

Volatiles	Depth	W2475	W2476	W2477	W2478	W2479	W2480	W2490	W2491	W2492
		KEP- GW- 017A-006	KEP- GW- 017B-006	KEP- GW- 018A-006	KEP- GW- Duplicate 1	KEP- GW- 018B-006	KEP- FB- 019	KEP- GW- 021A-006	KEP- GW- 021B-006	KEP- GW- 020A-006
Date Collected	Date Collected	-	-	-	-	-	-	-	-	-
Time Collected	Time Collected	1-Dec-08	1-Dec-08	1-Dec-08	1-Dec-08	1-Dec-08	1-Dec-08	2-Dec-08	2-Dec-08	2-Dec-08
Date Analyzed	Date Analyzed	11:35	12:00	16:30	-	17:05	17:20	10:15	12:45	15:00
Dioxane Date Analyzed	Dioxane Date Analyzed	4-Dec-08	4-Dec-08	4-Dec-08	4-Dec-08	4-Dec-08	4-Dec-08	4-Dec-08	5-Dec-08	5-Dec-08
Reporting Limit	Reporting Limit	5-Dec-08	6-Dec-08	5-Dec-08	5-Dec-08	6-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08
VOLATILES	ug/L									
1,4-Dioxane	1.0	5.0	1.2	7.0	6.9	< 1.0	< 1.0	1.4	< 1.0	< 1.0
1,4-Dioxane-d8	%	93.5	103	100	98.2	85.2	105	105	110	107
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	25	13	27	30	13	< 1.0	18	3.4	1.1
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	Depth Date Collected Time Collected Date Analyzed Reporting Limit ug/L	W2475	W2476	W2477	W2478	W2479	W2480	W2490	W2491	W2492
		KEP- GW- 017A-006 - 1-Dec-08 11:35 4-Dec-08 5-Dec-08	KEP- GW- 017B-006 - 1-Dec-08 12:00 4-Dec-08 6-Dec-08	KEP- GW- 018A-006 - 1-Dec-08 16:30 4-Dec-08 5-Dec-08	KEP- GW- Duplicate 1 - 1-Dec-08 - 4-Dec-08 5-Dec-08	KEP- GW- 018B-006 - 1-Dec-08 17:05 4-Dec-08 6-Dec-08	KEP- FB- 019 - 1-Dec-08 17:20 4-Dec-08 5-Dec-08	KEP- GW- 021A-006 - 2-Dec-08 10:15 4-Dec-08 5-Dec-08	KEP- GW- 021B-006 - 2-Dec-08 12:45 5-Dec-08 5-Dec-08	KEP- GW- 020A-006 - 2-Dec-08 15:00 5-Dec-08 5-Dec-08
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	%	109	107	107	105	108	101	105	106	106
Toluene-D8	%	106	105	98.4	98.8	98.9	105	101	99.6	103
4-Bromofluorobenzene	%	94.6	95.4	91.0	91.1	93.9	96.6	94.1	91.9	92.9

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

Volatiles	Depth	W2493	W2494	W2495	W2496	W2497	W2498	W2499	W2500	W2501
		KEP- GW- Duplicate 2	KEP- GW- 020B-006	KEP- GW- 014A-006	KEP- GW- 014B-006	KEP- GW- 015B-006	KEP- GW- 015A-006	KEP- GW- 023A-006	KEP- GW- 023B-006	KEP- GW- 023B-006
Date Collected	Date Collected	-	-	-	-	-	-	-	-	-
Time Collected	Time Collected	-	15:45	10:10	10:40	14:10	14:35	15:40	16:10	11:40
Date Analyzed	Date Analyzed	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	6-Dec-08
Dioxane Date Analyzed	Reporting Limit	5-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08
VOLATILES	ug/L									
1,4-Dioxane	1.0	< 1.0	1.5	< 1.0	< 1.0	4.5	1.6	< 1.0	1.0	13
1,4-Dioxane-d8	%	109	108	104	87.5	86.7	95.3	108	104	97.5
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	1.1	15	1.2	< 1.0	11	32	< 1.0	15	130
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	6.7
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	1.1
1,1,1-Trichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.1
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	5.6
Trichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1
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	17
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	W2493	W2494	W2495	W2496	W2497	W2498	W2499	W2500	W2501
		KEP- GW- Duplicate 2	KEP- GW- 020B-006	KEP- GW- 014A-006	KEP- GW- 014B-006	KEP- GW- 015B-006	KEP- GW- 015A-006	KEP- GW- 023A-006	KEP- GW- 023B-006	KEP- GW- 011A-006
Dioxane Date Analyzed	Date Collected	-	-	-	-	-	-	-	-	-
Date Analyzed	Time Collected	2-Dec-08	2-Dec-08	3-Dec-08	3-Dec-08	3-Dec-08	3-Dec-08	3-Dec-08	3-Dec-08	4-Dec-08
Reporting Limit	Date Analyzed	-	15:45	10:10	10:40	14:10	14:35	15:40	16:10	11:40
ug/L	Reporting Limit	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	6-Dec-08
		5-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08
VOLATILES										
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	%	109	109	104	107	107	108	111	110	108
Toluene-D8	%	100	104	111	109	111	103	105	101	97.8
4-Bromofluorobenzene	%	95.5	96.8	98.0	94.8	96.9	95.4	94.6	97.4	94.0

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

Volatiles	Date Analyzed	W2502	W2503	W2504	W2505	W2506	W2507	W2508	W2509	W2510
		KEP- GW- 011B-006	KEP- GW- 012-006	KEP- GW- 016-006	KEP- GW- 025-006	KEP- GW- 027-006	KEP- GW- 026-006	KEP- GW- 010B-006	KEP- GW- 010C-006	KEP- GW- 010A-006
Depth	Date Collected	-	-	-	-	-	-	-	-	-
Time Collected	12:24	15:21	16:12	11:20	15:00	17:05	9:48	10:22	10:55	
Reporting Limit	5-Dec-08	5-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	7-Dec-08	7-Dec-08	7-Dec-08	
Dioxane Date Analyzed	6-Dec-08	6-Dec-08	8-Dec-08	8-Dec-08	9-Dec-08	9-Dec-08	8-Dec-08	9-Dec-08	8-Dec-08	
VOLATILES	ug/L									
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.7	< 1.0	11
1,4-Dioxane-d8	%	86.0	96.4	102	102	93.4	86.2	97.3	82.8	99.3
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	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 1.0	9.6	< 1.0	88
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	2.6
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	1.2
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	1.8
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	3.6
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	W2502	W2503	W2504	W2505	W2506	W2507	W2508	W2509	W2510
		KEP- GW- 011B-006	KEP- GW- 012-006	KEP- GW- 016-006	KEP- GW- 025-006	KEP- GW- 027-006	KEP- GW- 026-006	KEP- GW- 010B-006	KEP- GW- 010C-006	KEP- GW- 010A-006
Date Collected	Date Collected	-	-	-	-	-	-	-	-	-
Time Collected	Time Collected	4-Dec-08	4-Dec-08	4-Dec-08	5-Dec-08	5-Dec-08	5-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08
Date Analyzed	Date Analyzed	12:24	15:21	16:12	11:20	15:00	17:05	9:48	10:22	10:55
Date Analyzed	Date Analyzed	5-Dec-08	5-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	7-Dec-08	7-Dec-08	7-Dec-08
Reporting Limit	Reporting Limit	6-Dec-08	6-Dec-08	8-Dec-08	8-Dec-08	9-Dec-08	9-Dec-08	8-Dec-08	9-Dec-08	8-Dec-08
ug/L	ug/L									
VOLATILES										
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	%	111	114	109	111	114	113	101	103	104
Toluene-D8	%	97.2	98.2	99.1	99.2	99.2	101	101	103	100
4-Bromofluorobenzene	%	90.7	93.6	97.1	93.0	92.8	96.9	94.6	93.4	93.2

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

Volatiles	Depth Date Collected Time Collected Date Analyzed Reporting Limit	W2511	W2512	W2513	W2514	W2515	W2516	W2517	W2518	W2519
		KEP- GW- 009-009	KEP- GW- 013-006	KEP- GW- 004-011	KEP- GW- 002-011	KEP- GW- 003-011	KEP- GW- 006-011	KEP- GW- 022-006	KEP- GW- 024-006	KEP- GW- 019-006
VOLATILES	ug/L									
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	16	12	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dioxane-d8	%	96.6	97.2	101	100	91.1	108	101	107	95.4
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	1.0	7.9	< 1.0	16	30	31	11	< 1.0	< 1.0	4.0
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	1.2	2.4	< 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
Kuhiman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water

Volatiles	Depth	W2511	W2512	W2513	W2514	W2515	W2516	W2517	W2518	W2519
		KEP- GW- 009-009	KEP- GW- 013-006	KEP- GW- 004-011	KEP- GW- 002-011	KEP- GW- 003-011	KEP- GW- 006-011	KEP- GW- 022-006	KEP- GW- 024-006	KEP- GW- 019-006
Date Collected	Date Collected	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	6-Dec-08	7-Dec-08	7-Dec-08	7-Dec-08
Time Collected	Time Collected	11:20	12:08	15:05	15:28	16:00	16:45	10:45	11:26	15:06
Date Analyzed	Date Analyzed	7-Dec-08	7-Dec-08	7-Dec-08	7-Dec-08	7-Dec-08	8-Dec-08	8-Dec-08	8-Dec-08	8-Dec-08
Dioxane Date Analyzed	Reporting Limit	9-Dec-08	9-Dec-08	9-Dec-08	8-Dec-08	8-Dec-08	9-Dec-08	9-Dec-08	9-Dec-08	9-Dec-08
VOLATILES	ug/L									
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	%	104	105	106	105	106	97.9	101	103	101
Toluene-D8	%	101	102	102	101	101	101	103	101	105
4-Bromofluorobenzene	%	94.2	96.2	94.7	93.8	93.2	95.4	94.4	93.5	93.0

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

Volatiles	Depth	W2520	W2521	W2522	W2523									
		KEP- GW- 005-011	KEP- FB- 020	KEP- GW- 007-011	KEP- GW- 008-011	Date Collected	Time Collected	Date Analyzed	Reporting Limit					
Dioxane Date Analyzed	ug/L													
VOLATILES														
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
1,4-Dioxane-d8	%	114	107	118	101									
Dichlorodifluoromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Chloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Vinyl chloride	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Bromomethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Chloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Trichlorofluoromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
1,1-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0	3.9									
Methylene Chloride	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
trans-1,2-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
1,1-Dichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
cis-1,2-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
2,2-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Bromochloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Chloroform	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
1,1,1-Trichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
1,1-Dichloropropene	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Carbon Tetrachloride	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Benzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
1,2-Dichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Trichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
1,2-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Dibromomethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Bromodichloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
cis-1,3-Dichloropropene	2.0	< 2.0	< 2.0	< 2.0	< 2.0									
Toluene	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
trans-1,3-Dichloropropene	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
1,1,2-Trichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Tetrachloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
1,3-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
Dibromochloromethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									
1,2-Dibromoethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0									

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

Volatiles	Depth	W2520	W2521	W2522	W2523					
		KEP- GW- 005-011	KEP- FB- 020	KEP- GW- 007-011	KEP- GW- 008-011					
Date Analyzed	Date Collected	7-Dec-08	8-Dec-08	8-Dec-08	8-Dec-08					
Date Analyzed	Time Collected	16:00	9:20	9:42	10:10					
Dioxane Date Analyzed	Date Analyzed	8-Dec-08	8-Dec-08	8-Dec-08	8-Dec-08					
Dioxane Date Analyzed	Reporting Limit	10-Dec-08	9-Dec-08	10-Dec-08	9-Dec-08					
VOLATILES		ug/L								
Chlorobenzene	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					
Ethyl Benzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
Xylenes, Total	2.0	< 2.0	< 2.0	< 2.0	< 2.0					
Styrene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
Bromoform	2.0	< 2.0	< 2.0	< 2.0	< 2.0					
Isopropylbenzene	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					
Bromobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
1,2,3-Trichloropropane	2.0	< 2.0	< 2.0	< 2.0	< 2.0					
n-Propylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
2-Chlorotoluene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
1,3,5-Trimethylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
4-Chlorotoluene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
tert-Butylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
1,2,4-Trimethylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
sec-Butylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
1,3-Dichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
p-Isopropyltoluene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
1,4-Dichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
n-Butylbenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
1,2-Dichlorobenzene	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					
1,3,5-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
1,2,4-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
Hexachlorobutadiene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
Naphthalene	3.0	< 3.0	< 3.0	< 3.0	< 3.0					
1,2,3-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0	< 1.0					
Surrogates:										
Dibromofluoromethane	%	103	104	103	104					
Toluene-D8	%	103	101	101	100					
4-Bromofluorobenzene	%	97.6	97.4	91.2	92.5					

Table 2

QC Results Volatiles– December

Table 2
QC Results

Lab # associated with qc samples: W2475 through W2480

Matrix W2490 through W2503

	Matrix Spike	Spike Duplicate	Blank	Blank	Blank
Date Analyzed:	W2479	W2479	12/4/08	12/5/08	12/6/08

Compound	% Rec		% Rec	RPD		ug/L	ug/L	ug/L
Dichlorodifluoromethane	99.2%		88.2%	11.7%		< 1.0	< 1.0	< 1.0
Chloromethane	98.4%		93.0%	5.6%		< 1.0	< 1.0	< 1.0
Vinyl chloride	103%		93.6%	9.6%		< 1.0	< 1.0	< 1.0
Bromomethane	100%		96.6%	3.5%		< 1.0	< 1.0	< 1.0
Chloroethane	102%		95.8%	6.7%		< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	104%		96.6%	7.8%		< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	103%		96.4%	6.6%		< 1.0	< 1.0	< 1.0
Methylene chloride	101%		107%	5.6%		< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	101%		96.2%	4.7%		< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	117%		102%	13.7%		< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	105%		103%	1.9%		< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	102%		92.8%	9.2%		< 1.0	< 1.0	< 1.0
Bromochloromethane	106%		103%	2.9%		< 1.0	< 1.0	< 1.0
Chloroform	97.4%		92.2%	5.5%		< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	107%		100%	6.8%		< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	101%		93.4%	7.4%		< 1.0	< 1.0	< 1.0
Carbon tetrachloride	107%		98.4%	8.6%		< 1.0	< 1.0	< 1.0
Benzene	105%		100%	4.3%		< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	112%		105%	6.6%		< 1.0	< 1.0	< 1.0
Trichloroethene	100%		97.2%	3.0%		< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	103%		101%	2.0%		< 1.0	< 1.0	< 1.0
Dibromomethane	114%		108%	5.6%		< 1.0	< 1.0	< 1.0
Bromodichloromethane	99.6%		93.8%	6.0%		< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	93.4%		92.6%	0.9%		< 2.0	< 2.0	< 2.0
Toluene	106%		96.4%	9.5%		< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	100%		93.8%	6.6%		< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	106%		108%	1.3%		< 1.0	< 1.0	< 1.0
Tetrachloroethene	102%		92.4%	9.5%		< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	101%		101%	0.0%		< 1.0	< 1.0	< 1.0
Dibromochloromethane	101%		101%	0.4%		< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	98.8%		99.2%	0.4%		< 1.0	< 1.0	< 1.0
Chlorobenzene	104%		97.0%	7.0%		< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	103%		96.6%	6.0%		< 1.0	< 1.0	< 1.0
Ethyl benzene	98.8%		92.6%	6.5%		< 1.0	< 1.0	< 1.0

Table 2
QC Results

Lab # associated with qc samples: W2475 through W2480

Matrix W2490 through W2503

	Matrix Spike	Spike Duplicate	Blank	Blank	Blank
Date Analyzed:	W2479	W2479	12/4/08	12/5/08	12/6/08

Compound	% Rec		% Rec	RPD		ug/L	ug/L	ug/L
Xylenes, Total	99.6%		95.7%	4.0%		< 2.0	< 2.0	< 2.0
Styrene	98.8%		94.6%	4.3%		< 1.0	< 1.0	< 1.0
Bromoform	96.0%		100%	4.3%		< 2.0	< 2.0	< 2.0
Isopropylbenzene	94.8%		90.6%	4.5%		< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	106%		106%	0.4%		< 2.0	< 2.0	< 2.0
Bromobenzene	99.2%		94.6%	4.7%		< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	104%		108%	4.0%		< 2.0	< 2.0	< 2.0
n-Propylbenzene	100%		92.8%	7.5%		< 1.0	< 1.0	< 1.0
2-Chlorotoluene	100%		91.8%	8.6%		< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	96.6%		91.6%	5.3%		< 1.0	< 1.0	< 1.0
4-Chlorotoluene	100%		93.6%	7.0%		< 1.0	< 1.0	< 1.0
tert-Butylbenzene	94.4%		91.6%	3.0%		< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	97.2%		92.0%	5.5%		< 1.0	< 1.0	< 1.0
sec-Butylbenzene	97.0%		91.8%	5.5%		< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	98.2%		92.8%	5.7%		< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	92.8%		90.4%	2.6%		< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	103%		97.2%	6.0%		< 1.0	< 1.0	< 1.0
n-Butylbenzene	93.0%		89.6%	3.7%		< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	97.8%		96.4%	1.4%		< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	99.8%		113%	12.2%		< 2.0	< 2.0	< 2.0
1,3,5-Trichlorobenzene	88.6%		86.8%	2.1%		< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	83.6%		87.6%	4.7%		< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	94.2%		89.2%	5.5%		< 1.0	< 1.0	< 1.0
Naphthalene	79.8%		88.4%	10.2%		< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	88.8%		90.4%	1.8%		< 1.0	< 1.0	< 1.0

Table 2
QC Results

Lab # associated with qc samples: W2504 through W2523

	Matrix Spike	Matrix Spike Duplicate	Blank	Blank
Date Analyzed:	W2509	W2509	12/7/08	12/8/08

Compound	% Rec	% Rec	RPD	ug/L	ug/L
Dichlorodifluoromethane	102%	104%	1.9%	< 1.0	< 1.0
Chloromethane	92.1%	96.5%	4.7%	< 1.0	< 1.0
Vinyl chloride	98.6%	97.0%	1.6%	< 1.0	< 1.0
Bromomethane	100%	106%	5.8%	< 1.0	< 1.0
Chloroethane	97.1%	97.0%	0.1%	< 1.0	< 1.0
Trichlorofluoromethane	98.2%	98.2%	0.0%	< 1.0	< 1.0
1,1-Dichloroethene	93.6%	94.6%	1.1%	< 1.0	< 1.0
Methylene chloride	93.6%	98.9%	5.5%	< 1.0	< 1.0
trans-1,2-Dichloroethene	96.0%	95.7%	0.3%	< 1.0	< 1.0
1,1-Dichloroethane	93.0%	97.2%	4.4%	< 1.0	< 1.0
cis-1,2-Dichloroethene	97.9%	97.5%	0.4%	< 1.0	< 1.0
2,2-Dichloropropane	94.9%	92.6%	2.5%	< 1.0	< 1.0
Bromochloromethane	98.7%	96.8%	1.9%	< 1.0	< 1.0
Chloroform	92.1%	93.1%	1.1%	< 1.0	< 1.0
1,1,1-Trichloroethane	98.2%	98.1%	0.1%	< 1.0	< 1.0
1,1-Dichloropropene	99.5%	101%	1.5%	< 1.0	< 1.0
Carbon tetrachloride	100%	101%	1.0%	< 1.0	< 1.0
Benzene	101%	97.7%	3.3%	< 1.0	< 1.0
1,2-Dichloroethane	104%	104%	0.0%	< 1.0	< 1.0
Trichloroethene	98.3%	100%	1.7%	< 1.0	< 1.0
1,2-Dichloropropane	99.9%	99.7%	0.2%	< 1.0	< 1.0
Dibromomethane	104%	107%	2.8%	< 1.0	< 1.0
Bromodichloromethane	97.1%	96.7%	0.4%	< 1.0	< 1.0
cis-1,3-Dichloropropene	99.0%	99.1%	0.1%	< 2.0	< 2.0
Toluene	102%	99.5%	2.5%	< 1.0	< 1.0
trans-1,3-Dichloropropene	102%	100%	2.0%	< 1.0	< 1.0
1,1,2-Trichloroethane	106%	101%	4.8%	< 1.0	< 1.0
Tetrachloroethene	104%	101%	2.9%	< 1.0	< 1.0
1,3-Dichloropropane	106%	103%	2.9%	< 1.0	< 1.0
Dibromochloromethane	101%	101%	0.0%	< 1.0	< 1.0
1,2-Dibromoethane	103%	99.4%	3.6%	< 1.0	< 1.0
Chlorobenzene	100%	98.2%	1.8%	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	96.9%	95.5%	1.5%	< 1.0	< 1.0
Ethyl benzene	99.0%	98.0%	1.0%	< 1.0	< 1.0

Table 2
QC Results

Lab # associated with qc samples: W2504 through W2523

	Matrix Spike	Matrix Spike Duplicate	Blank	Blank
Date Analyzed:	W2509	W2509	12/7/08	12/8/08

Compound	% Rec	% Rec	RPD	ug/L	ug/L
Xylenes, Total	97.9%	99.5%	1.6%	< 2.0	< 2.0
Styrene	96.3%	99.9%	3.7%	< 1.0	< 1.0
Bromoform	101%	97.9%	3.1%	< 2.0	< 2.0
Isopropylbenzene	95.7%	98.3%	2.7%	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	108%	108%	0.0%	< 2.0	< 2.0
Bromobenzene	99.4%	99.2%	0.2%	< 1.0	< 1.0
1,2,3-Trichloropropane	106%	103%	2.9%	< 2.0	< 2.0
n-Propylbenzene	95.6%	102%	6.5%	< 1.0	< 1.0
2-Chlorotoluene	98.0%	101%	3.0%	< 1.0	< 1.0
1,3,5-Trimethylbenzene	95.2%	101%	5.9%	< 1.0	< 1.0
4-Chlorotoluene	94.8%	99.1%	4.4%	< 1.0	< 1.0
tert-Butylbenzene	92.1%	103%	11.2%	< 1.0	< 1.0
1,2,4-Trimethylbenzene	96.3%	102%	5.7%	< 1.0	< 1.0
sec-Butylbenzene	94.7%	101%	6.4%	< 1.0	< 1.0
1,3-Dichlorobenzene	99.5%	98.4%	1.1%	< 1.0	< 1.0
p-Isopropyltoluene	99.9%	99.3%	0.6%	< 1.0	< 1.0
1,4-Dichlorobenzene	102%	99.8%	2.2%	< 1.0	< 1.0
n-Butylbenzene	99.9%	97.7%	2.2%	< 1.0	< 1.0
1,2-Dichlorobenzene	101%	101%	0.0%	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	105%	103%	1.9%	< 2.0	< 2.0
1,3,5-Trichlorobenzene	102%	99.9%	2.1%	< 1.0	< 1.0
1,2,4-Trichlorobenzene	102%	99.2%	2.8%	< 1.0	< 1.0
Hexachlorobutadiene	93.9%	102%	8.3%	< 1.0	< 1.0
Naphthalene	103%	96.8%	6.2%	< 3.0	< 3.0
1,2,3-Trichlorobenzene	104%	102%	1.9%	< 1.0	< 1.0

Table 3

QC Results 1,4-Dioxane– December

Table 3
QC Results

Lab # associated with qc samples: W2475 through W2480
W2490 through W2503

	Matrix Spike	Matrix Spike Duplicate	LCS	Blank
	W2475	W2475		
Date Extracted:	12/04/08	12/04/08	12/04/08	12/04/08
Date Analyzed:	12/05/08	12/05/08	12/05/08	12/05/08

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	96.0%		111%	14.5%		91.3%	< 1.0

Table 3
QC Results

Lab # associated with qc samples: W2504 through W2523

	Matrix Spike	Matrix Spike Duplicate	LCS	Blank
	W2515	W2515		
Date Extracted:	12/07/08	12/07/08	12/07/08	12/07/08
Date Analyzed:	12/08/08	12/08/08	12/08/08	09/11/08

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	112%		102%	9.3%		98.6%	< 1.0

Appendix A

Chain of Custody Sheets for Samples



**Environmental Chemistry
Consulting Services, Inc.**

2525 Advance Road
Phone 608-221-8700

Madison, WI 53718
FAX 608-221-4889

CHAIN OF CUSTODY

Monitoring wells

No. **013777** *

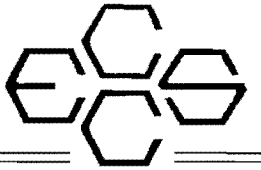
Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:

Project Number:	Mail Report To:	Invoice To:
Project Name: KUTHEMAN ELECTRIC	Company: MARTIN - SLACLE	Company:
Project Location: CRYSTAL SPRINGS	Address:	Address:
Sampled By (Print): Charles Peel		
	P.O. No.:	Quote No.:

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-6W-017A-006	12/1/08	1135	W	7	A/B	1,4Dioxane + P2608	MDEQ split	W2475
KEP-6W-017B-006		1200	W	7	A/B		MDEQ split	W2476
KEP-6W-018A-006		1630	W	9	A/B		CAS split	W2477
KEP-DUPLICATE 1		—	W	9	A/B		CAS split	W2478
KEP-6W-018B-006		1705	W	8	A/B		CAS split	W2479
KEP-FB-019		1720	W	4	A			W2480

*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. Peel</i>	Date/Time: 12/1/08 1730	Received By: <i>Joseph Subal</i>	Date/Time: 12/1/08 1730
	Relinquished By:	Date/Time:	Received By:	Date/Time:
Custody Seal: Present/Absent	Intact/Not Intact	Seal #'s	Receipt Temp:	Temp Blank Y N <i>none</i>
Shipped Via:				



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Madison, WI 53718

FAX 608-221-4889

CHAIN OF CUSTODY

Monitoring wells

No. **013778** *

Page 1 of 1

Turn Around (circle one) Normal Rush

Report Due:

Project Number:	Mail Report To:	Invoice To:
Project Name: KUHLMAN ELECTRIC	Company: MARTIN + SAGLE	Company:
Project Location: CRYSTAL SPRINGS	Address:	Address:
Sampled By (Print): Chuck Peck		
	P.O. No.:	Quote No.:

Sample Description	Collection		Matrix	Total Bottles	Preserv'	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-6W-021A-006	12/2/08	1015	W	7	A/B	1,4 Dioxane + P2406	MDEQ split	W2490
KEP-6W-021B-006	↓	1245	↓	7	A/B	↓	MDEQ split	W2491
KEP-6W-020A-006	↓	1500	↓	10	A/B	↓	CAS split	W2492
KEP-DUPLICATE 2	↓	—	↓	9	A/B	↓	CAS split	W2493
KEP-6W-020B-006	↓	1545	↓	9	A/B	↓	CAS split	W2494
<i>[Handwritten mark]</i>								

*Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH O=Other(Indicate)	Relinquished By: <i>Chuck Peck</i>	Date/Time: 12/2/08 1600	Received By: <i>[Signature]</i>	Date/Time: 12/2/08 1600
	Relinquished By:	Date/Time:	Received By:	Date/Time:
Custody Seal: Present/Absent	Intact/Not intact	Seal #'s	Receipt Temp:	Temp Blank Y N <i>on ice</i>
Shipped Via:				



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CHAIN OF CUSTODY

Monitoring Well

No. **013779** *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:

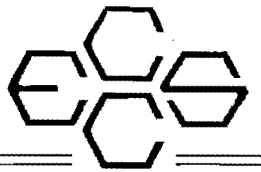
Project Number:	Mail Report To:	Invoice To:
Project Name: KUTCHMAN ELECTRIC	Company: MARTIN - SLAGLE	Company:
Project Location: CRYSTAL SPRINGS	Address:	Address:
Sampled By (Print): <i>Chuck Paul</i>		
	P.O. No.:	Quote No.:

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-GW-014A-006	12/3/08	1010	W	4	A	1,4 Dioxane and P2606		W2495
KEP-GW-014B-006		1040		4	A			W2496
KEP-GW-015B-006		1410		4	A			W2497
KEP-GW-015A-006		1435		4	A			W2498
KEP-GW-023A-006		1540		4	A			W2499
KEP-GW-023B-006		1610		4	A			W2500

PK

*Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH O=Other(Indicate)	Relinquished By: <i>Charles O. A. Paul</i>	Date/Time: 12/3/08 1630	Received By: <i>[Signature]</i>	Date/Time: 12/3/08 1630
	Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent	Intact/Not Intact	Seal #'s	Receipt Temp:	Temp Blank Y N <i>none</i>
Shipped Via:				



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CHAIN OF CUSTODY

Monitoring wells

No. **013780** *

Page 1 of 1

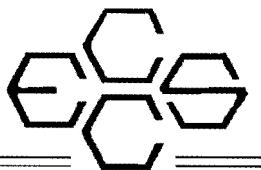
Turn Around (circle one) Normal Rush

Report Due:

Project Number:	Mail Report To:	Invoice To:
Project Name: KUTLMAN ELECTRIC	Company: MARTIN + SLAGLE	Company:
Project Location: CAPITAL SPILINGS	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						
KEP-GW-011A-006	12/14/08	1140	W	4	A	1,4-Dioxane + 82608		W2501
KEP-GW-011B-006	↓	1224	↓	4	A	↓		W2502
KEP-GW-012-006	↓	1521	↓	4	A	↓		W2503
KEP-GW-016-006	↓	1612	↓	4	A	↓		W2504

*Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH O=Other(Indicate)	Relinquished By:	Date/Time:	Received By:	Date/Time:
	<i>Charles D. Paul</i>	12/14/08 1630	<i>Chuck Paul</i>	12/14/08 1630
	Relinquished By:	Date/Time:	Received By:	Date/Time:
Custody Seal: Present/Absent	Intact/Not Intact	Seal #'s	Receipt Temp:	Temp Blank Y N <i>on ice</i>
Shipped Via:				



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CHAIN OF CUSTODY

Monitoring Well

No. **013781** *

Page 1 of 1

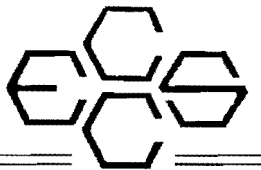
Turn Around (circle one) Normal Rush
Report Due:

Project Number:	Mail Report To:	Invoice To:
Project Name: KUTLMAN ELECTRIC	Company: MARTIN + SLAGLE	Company:
Project Location: CRYSTAL SPRINGS	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						
KEP-6W-025-006	12/5/08	1120	W	4	A	1,4-Dioxane + 82606		W2505
KEP-6W-027-006	↓	1500	W	4	A	↓ ↓		W2506
KEP-6W-026-006	↓	1705	W	4	A	↓ ↓		W2507

*Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH O=Other(Indicate)	Relinquished By: <i>Charles D.M. Paul</i>	Date/Time: 12/5/08 1730	Received By: <i>[Signature]</i>	Date/Time: 12/5/08 1730
	Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent	Intact/Not intact	Seal #'s	Receipt Temp:
Shipped Via:			Temp Blank Y N <i>on ice</i>



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Consulting Services, Inc.**

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CHAIN OF CUSTODY

Monitoring well

No. **013782** *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:

Project Number:	Mail Report To:	Invoice To:
Project Name: KUHLMAN ELECTRIC	Company: MARTIN + SLAGLE	Company:
Project Location: CRYSTAL SPRINGS	Address:	Address:
Sampled By (Print): Cluck Paul		
	P.O. No.:	Quote No.:

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-6W-010B-006	12/6/08	0948	W	4	A	1,4Dioxan + P2608		W2508
KEP-6W-010C-006		1022	W	4	A			W2509
KEP-6W-010A-006		1055	W	4	A			W2510
KEP-6W-009-009		1120	W	4	A			W2511
KEP-6W-013-006		1208	W	4	A			W2512
KEP-6W-004-011		1505	W	4	A			W2513
KEP-6W-002-011		1528	W	4	A			W2514
KEP-6W-003-011		1600	W	4	A			W2515
KEP-6W-006-011		1645	W	4	A			W2516

*Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH O=Other(Indicate)	Relinquished By: <i>Cluck Paul</i>	Date/Time: 12/6/08 1700	Received By:	Date/Time:
	Relinquished By:	Date/Time:	Received By: <i>Paul</i>	Date/Time: 12/6/08 1700
Custody Seal: Present/Absent	Intact/Not Intact	Seal #'s	Receipt Temp:	Temp Blank Y N <i>mic</i>
Shipped Via:				



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CHAIN OF CUSTODY

Monitoring Well

No. **013783** *

Page 1 of 1

Turn Around (circle one) Normal Rush

Report Due:

Project Number:	Mail Report To:	Invoice To:
Project Name: KUTLWAN ELECTRIC	Company: WALTON + SLAGLE	Company:
Project Location: CRYSTAL SPRINGS	Address:	Address:
Sampled By (Print): Charles Paul		
	P.O. No.:	Quote No.:

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						
KEP-6W-022-006	12/7/08	1045	W	4	A	1,4 Dioxan + P260B		W2517
KEP-6W-024-006	↓	1126	W	4	A	↓		W2518
KEP-6W-019-006	↓	1506	W	4	A	↓		W2519
KEP-6W-005-011	↓	1600	W	4	A	↓		W2520
<i>[Handwritten mark]</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:	Date/Time:
	<i>Charles O. M. Paul</i>	12/7/08 1630	<i>[Signature]</i>	12/7/08 1030
	Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent	Intact/Not Intact	Seal #'s	Receipt Temp:
Shipped Via:			Temp Blank Y N <i>none</i>

Appendix B

FEDEX shipping label for Columbia Analytical Services, Inc.

From Please print and press hard.
Date **12/3/08** Sender's FedEx Account Number **2262 8199 1**

Sender's Name **JOE KUBALE** 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. **07708AL**

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

Company **COLUMBIA ANALYTICAL**

Address **1317 South 13th AVE**

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

Try online shipping at fedex.com

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

Questions? Visit our Web site at fedex.com
or call 1.800.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
FedEx Envelope rate not available. Minimum charge: One-pound rate

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

* Call for Confirmation:

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? One box must be checked.
 No
 Yes As per attached Shipper's Declaration
 Yes Shipper's Declaration not required
 Dry Ice Dry Ice, 9, UN 1845 x _____ kg
 Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

Sender Acct. No. in Section 3 will be billed.
 Recipient
 Third Party
 Credit Card
 Cash/Check

FedEx Acct. No. **2262 8199 1** Exp. Date _____

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

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

8 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 • Part #157612 • ©1994-2001 FedEx • PRINTED IN U.S.A. WCSI 02

Appendix C

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

