
July 25, 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 A. Kilian
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

TECHNICAL MEMORANDUM

July 25, 2008

To: Robert Martin
Martin and Slagle

From: Joseph Kubale
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 June 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

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
1,1,2-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 150.

Table 1
Sample Results Volatiles— June

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

Kuhlman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water											
	W2318	W2319	W2320	W2321	W2322	W2323	W2324	W2325	W2326	W2327	
	KEP- GW- 006-009	KEP- GW- 008-009	KEP- GW- 007-009	KEP- GW- 003-009	KEP- FB- 017	KEP- GW- 002-009	KEP- GW- 004-009	KEP- GW- 013-004	KEP- GW- 009-007	KEP- GW- 008-007	
Depth	-	-	-	-	-	-	-	-	-	-	
Date Collected	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	
Time Collected	10:20	10:58	13:08	13:46	12:52	15:33	16:17	18:00	18:50	19:00	
Date Analyzed	12-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08	
Reporting Limit	ug/L	%	%	%	%	%	%	%	%	%	
VOLATILES											
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	24	< 1.0	5.5	< 1.0	< 1.0	< 1.0	
1,4-Dioxane-d8		88.1	94.5	88.7	95.3	88.3	92.0	83.2	93.4	95.5	
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	8.0	3.6	1.0	33	1.0	22	41	10	7.3	
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	
Bromoform	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-Dichloroethene	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	
o-is-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	W2318 KEP- GW- 006-009	W2319 KEP- GW- 008-009	W2320 KEP- GW- 007-009	W2321 KEP- GW- 003-009	W2322 KEP- FB- 017	W2323 KEP- GW- 002-009	W2324 KEP- GW- 004-009	W2325 KEP- GW- 013-004	W2326 KEP- GW- 009-007
Depth	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08
Date Collected	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08	8-Jun-08
Time Collected	10:20	10:58	13:08	13:46	12:52	15:33	16:17	18:00	18:50
Date Analyzed	12-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08
Reporting Limit	13-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08	13-Jun-08
ug/L									
Chlorobenzene	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1,1,2-Tetrachloroethane	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ethy 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
Syrene	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
D-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-Chloropropene	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	%	97.4	101	100	97.7	94.4	94.8	98.6	98.9
Toluene-D8	%	98.3	96.6	95.8	99.2	102	102	101	101
4-Bromofluorobenzene	%	92.6	93.6	92.9	96.0	97.8	96.0	95.1	93.7
									94.2

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

	W2327	W2328	W2329	W2330	W2331	W2341	W2342	W2343	W2344
	KEP- GW-								
Depth	014B-004	014A-004	020A-004	020B-004	Duplicate 1	018A-004	Duplicate 2	018B-004	023B-004
Date Collected	9-Jun-08	9-Jun-08	9-Jun-08	9-Jun-08	9-Jun-08	10-Jun-08	10-Jun-08	10-Jun-08	-
Time Collected	11:40	12:35	15:30	16:50	-	11:40	-	10:42	14:05
Date Analyzed	13-Jun-08	14-Jun-08							
Reporting Limit	ug/L	%							
VOLATILES									
1,4-Dioxane	1.0	<	1.0	<	1.0	<	1.0	<	1.0
1,4-Dioxane-d8	90.8		88.2		85.9		88.6		92.1
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	<	2.9	<	12	<	32
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
Bromoform	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
Trichloroethene	1.0	<	1.0	<	1.0	<	1.0	<	1.0
1,2-Dichloropropane	1.0	<	1.0	<	1.0	<	1.0	<	1.0
Bromodichloromethane	1.0	<	1.0	<	1.0	<	1.0	<	1.0
Dis-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
13-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	W2327		W2328		W2329		W2330		W2331		W2341		W2342		W2343		W2344		
	KEP-	GW-	KEP-	GW-	KEP-	GW-	KEP-	GW-	KEP-	GW-	KEP-	GW-	KEP-	GW-	KEP-	GW-	KEP-	GW-	
	014B-004	014A-004	-	-	020A-004	-	020B-004	-	Duplicate 1	-	018A-004	-	Duplicate 2	-	018B-004	-	020B-004	-	
	ug/L																		
Chlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
1,1,1,2-Tetrachloroethane	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
Ethy Benzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
Xylenes, Total	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	
Syrene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
Bromoform	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	
Isopropylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
1,1,2,2-Tetrachloroethane	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	
Bromobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
1,2,3-Trichloropropane	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	
n-Propylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
2-Chlorotoluene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
1,3,5-Trimethylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
4-Chlorotoluene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
tert-Butylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
1,2,4-Trimethylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
sec-Butylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
1,3-Dichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
p-Isopropyltoluene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
1,4-Dichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
n-Butylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
1,2-Dichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
1,2-Dibromo-3-Chloropropane	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	
1,3,5-Trichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
1,2,4-Trichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
Hexachlorobutadiene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
Naphthalene	3.0	A	3.0	A	3.0	A	3.0	A	3.0	A	3.0	A	3.0	A	3.0	A	3.0	A	
1,2,3-Trichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	
Surrogates:																			
Dibromofluoromethane	%		103		104		107		107		104		101		100		97.9		94.7
Toluene-D8	%		99.4		101		97.8		101		101		102		98.4		102		102
4-Bromofluorobenzene	%		97.0		98.5		95.1		101		98.2		96.9		94.8		97.2		98.2

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

	W2345 KEP- GW- 023A-004	W2346 KEP- GW- 021A-004	W2347 KEP- GW- 021B-004	W2348 KEP- GW- 017B-004	W2349 KEP- GW- 017A-004	W2350 KEP- GW- 015B-004	W2351 KEP- GW- 015A-004	W2352 KEP- GW- 011B-004	W2353 KEP- GW- 011A-004
Depth									
Date Collected	10-Jun-08	10-Jun-08	10-Jun-08	10-Jun-08	10-Jun-08	10-Jun-08	11-Jun-08	11-Jun-08	11-Jun-08
Time Collected	14:41	16:15	16:40	19:00	19:16	10:50	11:20	14:20	14:40
Date Analyzed	13-Jun-08	14-Jun-08							
Reporting Limit	14-Jun-08	15-Jun-08							
VOLATILES									
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.3	3.2	1.8	< 1.0
1,4-Dioxane-d8	%	81.8	82.2	91.7	89.1	94.0	82.9	90.8	98.6
Dichlorodifluoromethane	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
Vinyl chloride	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
Chloroethane	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
1,1-Dichloroethene	1.0	< 1.0	< 1.0	19	3.0	18	43	6.6	34
Methylene Chloride	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
cis-1,2-Dichloroethene	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
Bromoform	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-Trichloroethane	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
Carbon Tetrachloride	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
1,2-Dichloroethane	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
1,2-Dichloropropane	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
o-is-1,3-Dichloropropene	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
trans-1,3-Dichloropropene	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
Tetrachloroethene	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
Dibromochloromethane	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

TABLE 1

Kuhlman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water											
VOLATILES	W2345	W2346	W2347	W2348	W2350	W2351	W2352	W2353			
	KEP- GW- 023A-004	KEP- GW- 021A-004	KEP- GW- 021B-004	KEP- GW- 017B-004	KEP- GW- 017A-004	KEP- GW- 015B-004	KEP- GW- 015A-004	KEP- GW- 011B-004	KEP- GW- 011A-004		
Chlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,1,1,2-Tetrachloroethane	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Ethyl Benzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Xylenes, Total	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0
Syrene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Bromoform	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0
Isopropylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,1,2,2-Tetrachloroethane	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0
Bromobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,2,3-Trichloropropane	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0
n-Propylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
2-Chlorotoluene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,3,5-Trimethylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
4-Chlorotoluene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
tert-Butylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,2,4-Trimethylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
sec-Butylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,3-Dichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
p-Isopropyltoluene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,4-Dichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
n-Butylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,2-Dichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,2-Dibromo-3-Chloropropane	2.0	A	2.0	A	2.0	A	2.0	A	2.0	A	2.0
1,3,5-Trichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,2,4-Trichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Hexachlorobutadiene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Naphthalene	3.0	A	3.0	A	3.0	A	3.0	A	3.0	A	3.0
1,2,3-Trichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Surrogates:											
Dibromofluoromethane	%	99.9	100	100	101	103	95.7	101	94.2	92.9	
Toluene-D8	%	101	102	97.4	101	103	97.4	104	98.3	95.4	
4-Bromofluorobenzene	%	95.3	98.4	94.4	94.5	96.2	95.9	105	95.6	92.7	

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

		W2354	W2355	W2356	W2357	W2358	W2359	W2360	W2361	W2362
		KEP-								
		GW-								
Depth		010B-004	010A-004	010C-004	016-004	012-004	022-004	024-004	027-004	025-004
Date Collected		11-Jun-08	11-Jun-08	11-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08
Time Collected		18:22	19:27	19:52	11:20	11:48	14:48	15:33	18:11	18:38
Date Analyzed		14-Jun-08								
Reporting Limit		15-Jun-08	15-Jun-08	15-Jun-08	16-Jun-08	16-Jun-08	16-Jun-08	16-Jun-08	16-Jun-08	16-Jun-08
VOLATILES		ug/L	%							
1,4-Dioxane		1.0	98.8	1.7	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dioxane-d8				98.8	96.5	94.4	92.9	95.1	94.0	103
Dichlorodifluoromethane		1.0	A	1.0	A	1.0	A	1.0	A	1.0
Chloroethane		1.0	A	1.0	A	1.0	A	1.0	A	1.0
Vinyl chloride		1.0	A	1.0	A	1.0	A	1.0	A	1.0
Bromomethane		1.0	A	1.0	A	1.0	A	1.0	A	1.0
Chloroethane		1.0	A	1.0	A	1.0	A	1.0	A	1.0
Trichlorofluoromethane		1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,1-Dichloroethene		1.0	A	4.2	80	1.0	A	1.0	A	1.0
Methylene Chloride		1.0	A	1.0	A	1.0	A	1.0	A	1.0
trans-1,2-Dichloroethene		1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,1-Dichloroethane		1.0	A	1.0	2.0	1.0	A	1.0	A	1.0
cis-1,2-Dichloroethene		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
2,2-Dichloropropane		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
Bromochloromethane		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
Chloroform		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
1,1,1-Trichloroethane		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
1,1-Dichloropropene		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
Carbon Tetrachloride		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
Benzene		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
1,2-Dichloroethene		1.0	A	1.0	1.1	1.0	A	1.0	A	1.0
1,2-Dichloroethane		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
Toluene		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
Bromomethane		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
Bromodichloromethane		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
cis-1,3-Dichloropropene		2.0	A	2.0	2.0	2.0	A	2.0	A	2.0
trans-1,3-Dichloropropene		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
1,1,2-Trichloroethane		1.0	A	2.0	1.0	1.0	A	1.0	A	1.0
Tetrachloroethene		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
1,3-Dichloropropane		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
Dibromoethane		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0
1,2-Dibromoethane		1.0	A	1.0	1.0	1.0	A	1.0	A	1.0

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

VOLATILES	W2354 KEP- GW- 010B-004	W2355 KEP- GW- 010A-004	W2356 KEP- GW- 010C-004	W2357 KEP- GW- 010-004	W2358 KEP- GW- 012-004	W2359 KEP- GW- 022-004	W2360 KEP- GW- 024-004	W2361 KEP- GW- 027-004	W2362 KEP- GW- 025-004
Depth	11-Jun-08	11-Jun-08	11-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08	12-Jun-08
Date Collected	-	-	-	-	-	-	-	-	-
Time Collected	18:22	19:27	19:52	11:20	11:48	14:48	15:33	18:11	18:38
Date Analyzed	14-Jun-08	14-Jun-08	14-Jun-08	14-Jun-08	14-Jun-08	14-Jun-08	14-Jun-08	14-Jun-08	14-Jun-08
Reporting Limit	15-Jun-08	15-Jun-08	16-Jun-08	16-Jun-08	16-Jun-08	16-Jun-08	16-Jun-08	16-Jun-08	16-Jun-08
ug/L									
Chlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,1,2-Tetrachloroethane	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Ethyl Benzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Xylenes, Total	2.0	A	2.0	A	2.0	A	2.0	A	2.0
Syrene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Bromoform	2.0	A	2.0	A	2.0	A	2.0	A	2.0
Isopropylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,1,2,2-Tetrachloroethane	2.0	A	2.0	A	2.0	A	2.0	A	2.0
Bromobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,2,3-Trichloropropane	2.0	A	2.0	A	2.0	A	2.0	A	2.0
n-Propylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
2-Chlorotoluene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,3,5-Timethylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
4-Chlorotoluene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
tert-Butylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,2,4-Trimethylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
sec-Butylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,3-Dichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
p-Isopropyltoluene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,4-Dichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
m-Butylbenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,2-Dichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,2-Dibromo-3-Chloropropane	2.0	A	2.0	A	2.0	A	2.0	A	2.0
1,3,5-Trichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
1,2,4-Trichlorobenzene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Hexachlorobutadiene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Naphthalene	3.0	A	3.0	A	3.0	A	3.0	A	3.0
1,2,3-Trichloropropene	1.0	A	1.0	A	1.0	A	1.0	A	1.0
Surrogates:									
Dibromofluoromethane	%		98.1	94.4	95.7	93.5	91.9	91.8	90.4
Toluene-D8	%		107	97.8	97.7	98.3	97.2	98.3	111
4-Bromofluorobenzene	%		104	93.1	94.2	96.6	94.8	93.8	104

TABLE 1

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

		W2363		W2364		W2365	
		KEP-	KEP-	GW-	GW-	GW-	GW-
		026-004	019-004	005-009			
Depth		Date Collected		Date Collected		Date Collected	
		13-Jun-08 08:51		13-Jun-08 11:45		13-Jun-08 14:51	
VOLATILES		Date Analyzed		Date Analyzed		Date Analyzed	
		Reporting Limit		Reporting Limit		Reporting Limit	
		ug/L		ug/L		ug/L	
1,4-Dioxane		1.0		< 1.0		< 1.0	
1,4-Dioxane-d8		%		94.2		94.8	
Dichlorodifluoromethane		1.0		< 1.0		< 1.0	
Chloromethane		1.0		< 1.0		< 1.0	
Vinyl chloride		1.0		< 1.0		< 1.0	
Bromomethane		1.0		< 1.0		< 1.0	
Chloroethane		1.0		< 1.0		< 1.0	
Trichlorofluoromethane		1.0		< 1.0		< 1.0	
1,1-Dichloroethene		1.0		1.0		3.4	
Methylene Chloride		1.0		< 1.0		< 1.0	
trans-1,2-Dichloroethene		1.0		< 1.0		< 1.0	
cis-1,2-Dichloroethene		1.0		< 1.0		< 1.0	
2,2-Dichloropropane		1.0		< 1.0		< 1.0	
Bromoform		1.0		< 1.0		< 1.0	
Chloroform		1.0		< 1.0		< 1.0	
1,1,1-Trichloroethane		1.0		< 1.0		< 1.0	
1,1-Dichloropropene		1.0		< 1.0		< 1.0	
Carbon Tetrachloride		1.0		< 1.0		< 1.0	
Benzene		1.0		< 1.0		< 1.0	
1,2-Dichloroethane		1.0		< 1.0		< 1.0	
Trichloroethene		1.0		< 1.0		< 1.0	
1,2-Dichloropropane		1.0		< 1.0		< 1.0	
Dibromomethane		1.0		< 1.0		< 1.0	
Bromodichloromethane		1.0		< 1.0		< 1.0	
cis-1,3-Dichloropropene		2.0		2.0		2.0	
Toluene		1.0		< 1.0		< 1.0	
trans-1,3-Dichloropropene		1.0		< 1.0		< 1.0	
1,1,2-Trichloroethane		1.0		< 1.0		< 1.0	
Tetrachloroethene		1.0		< 1.0		< 1.0	
1,3-Dichloropropane		1.0		< 1.0		< 1.0	
Dibromoethane		1.0		< 1.0		< 1.0	
1,2-Dibromoethane		1.0		< 1.0		< 1.0	

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

		W2363		W2364		W2365	
		KEP-	KEP-	KEP-	KEP-	KEP-	KEP-
		GW-	GW-	GW-	GW-	GW-	GW-
		026-004	019-004	019-004	005-009	005-009	005-009
		Depth	Date Collected	Depth	Date Collected	Depth	Date Collected
		"	13-Jun-08 09:51	"	13-Jun-08 11:45	"	13-Jun-08 14:51
		Time Collected		Time Collected		Time Collected	
		Date Analyzed		Date Analyzed		Date Analyzed	
		15-Jun-08		15-Jun-08		15-Jun-08	
		Reporting Limit		Reporting Limit		Reporting Limit	
		ug/L		ug/L		ug/L	
VOLATILES							
Chlorobenzene		1.0	A	1.0	A	1.0	A
1,1,1,2-Tetrachloroethane		1.0	A	1.0	A	1.0	A
Ethyl Benzene		1.0	A	1.0	A	1.0	A
Xylenes, Total		2.0	A	2.0	A	2.0	A
Styrene		1.0	A	1.0	A	1.0	A
Bromoform		2.0	A	2.0	A	2.0	A
Isopropylbenzene		1.0	A	1.0	A	1.0	A
1,1,2,2-Tetrachloroethane		2.0	A	2.0	A	2.0	A
Bromobenzene		1.0	A	1.0	A	1.0	A
1,2,3-Trichloropropane		2.0	A	2.0	A	2.0	A
n-Propylbenzene		1.0	A	1.0	A	1.0	A
2-Chlorotoluene		1.0	A	1.0	A	1.0	A
1,3,5-Trimethylbenzene		1.0	A	1.0	A	1.0	A
4-Chlorotoluene		1.0	A	1.0	A	1.0	A
tert-Butylbenzene		1.0	A	1.0	A	1.0	A
1,2,4-Trimethylbenzene		1.0	A	1.0	A	1.0	A
sec-Butylbenzene		1.0	A	1.0	A	1.0	A
1,3-Dichlorobenzene		1.0	A	1.0	A	1.0	A
p-Isopropyltoluene		1.0	A	1.0	A	1.0	A
1,4-Dichlorobenzene		1.0	A	1.0	A	1.0	A
m-Butylbenzene		1.0	A	1.0	A	1.0	A
1,2-Dichlorobenzene		1.0	A	1.0	A	1.0	A
1,2-Dibromo-3-Chloropropane		2.0	A	2.0	A	2.0	A
1,3,5-Trichlorobenzene		1.0	A	1.0	A	1.0	A
1,2,4-Trichlorobenzene		1.0	A	1.0	A	1.0	A
Hexachlorobutadiene		1.0	A	1.0	A	1.0	A
Naphthalene		3.0	A	3.0	A	3.0	A
1,2,3-Trichlorobenzene		1.0	A	1.0	A	1.0	A
Surrogates:							
Dibromofluoromethane		%		93.8	95.5	94.3	
Toluene-D8		%		98.2	101	95.8	
4-Bromofluorobenzene		%		98.1	101	94.7	

Table 2
QC Results Volatiles— June

Table 2
QC Results

Lab # associated with qc samples: W2318 through W2331

Matrix	Matrix W2341 through W2346				
	Spike	Duplicate	Blank	Blank	
	Date Analyzed:	W2318	W2318	6/12/08	6/13/08
Compound	% Rec	% Rec	RPD	ug/L	ug/L
Dichlorodifluoromethane	95.4%	104%	8.6%	< 1.0	< 1.0
Chloromethane	95.8%	123%	25.0%	< 1.0	< 1.0
Vinyl chloride	99.4%	104%	4.9%	< 1.0	< 1.0
Bromomethane	97.2%	122%	22.3%	< 1.0	< 1.0
Chloroethane	96.6%	104%	7.2%	< 1.0	< 1.0
Trichlorofluoromethane	100%	96.0%	4.3%	< 1.0	< 1.0
1,1-Dichloroethene	93.3%	87.5%	6.4%	< 1.0	< 1.0
Methylene chloride	93.0%	95.8%	3.0%	< 1.0	< 1.0
trans-1,2-Dichloroethene	81.4%	82.8%	1.7%	< 1.0	< 1.0
1,1-Dichloroethane	108%	108%	0.7%	< 1.0	< 1.0
cis-1,2-Dichloroethene	97.6%	102%	4.6%	< 1.0	< 1.0
2,2-Dichloropropane	103%	99.4%	3.6%	< 1.0	< 1.0
Bromochloromethane	103%	108%	4.4%	< 1.0	< 1.0
Chloroform	99.6%	102%	2.0%	< 1.0	< 1.0
1,1,1-Trichloroethane	101%	101%	0.0%	< 1.0	< 1.0
1,1-Dichloropropene	97.4%	98.4%	1.0%	< 1.0	< 1.0
Carbon tetrachloride	99.4%	98.6%	0.8%	< 1.0	< 1.0
Benzene	99.0%	99.2%	0.2%	< 1.0	< 1.0
1,2-Dichloroethane	104%	108%	3.8%	< 1.0	< 1.0
Trichloroethene	101%	99.2%	2.2%	< 1.0	< 1.0
1,2-Dichloropropane	97.6%	99.8%	2.2%	< 1.0	< 1.0
Dibromomethane	101%	110%	8.3%	< 1.0	< 1.0
Bromodichloromethane	101%	102%	1.8%	< 1.0	< 1.0
cis-1,3-Dichloropropene	96.4%	103%	7.0%	< 2.0	< 2.0
Toluene	61.6%	62.6%	1.6%	< 1.0	< 1.0
trans-1,3-Dichloropropene	101%	106%	4.8%	< 1.0	< 1.0
1,1,2-Trichloroethane	105%	111%	5.6%	< 1.0	< 1.0
Tetrachloroethene	103%	103%	0.0%	< 1.0	< 1.0
1,3-Dichloropropane	102%	108%	5.9%	< 1.0	< 1.0
Dibromochloromethane	98.6%	109%	10.2%	< 1.0	< 1.0
1,2-Dibromoethane	99.8%	110%	9.7%	< 1.0	< 1.0
Chlorobenzene	103%	101%	2.2%	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	98.6%	96.6%	2.0%	< 1.0	< 1.0
Ethyl benzene	98.2%	95.6%	2.7%	< 1.0	< 1.0

Table 2
QC Results

Lab # associated with qc samples: W2318 through W2331

Matrix	Matrix W2341 through W2346				
	Spike	Duplicate	Blank	Blank	
	Date Analyzed:	W2318	W2318	6/12/08	6/13/08
Compound					
Xylenes, Total	99.0%	98.1%	0.9%	< 2.0	< 2.0
Styrene	96.8%	98.6%	1.8%	< 1.0	< 1.0
Bromoform	101%	105%	3.9%	< 2.0	< 2.0
Isopropylbenzene	98.8%	99.2%	0.4%	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	109%	114%	4.3%	< 2.0	< 2.0
Bromobenzene	105%	107%	1.9%	< 1.0	< 1.0
1,2,3-Trichloropropane	106%	115%	7.6%	< 2.0	< 2.0
n-Propylbenzene	105%	106%	1.5%	< 1.0	< 1.0
2-Chlorotoluene	105%	108%	3.4%	< 1.0	< 1.0
1,3,5-Trimethylbenzene	104%	108%	3.4%	< 1.0	< 1.0
4-Chlorotoluene	105%	112%	6.8%	< 1.0	< 1.0
tert-Butylbenzene	103%	105%	1.5%	< 1.0	< 1.0
1,2,4-Trimethylbenzene	107%	112%	4.4%	< 1.0	< 1.0
sec-Butylbenzene	107%	109%	2.2%	< 1.0	< 1.0
1,3-Dichlorobenzene	105%	101%	4.1%	< 1.0	< 1.0
p-Isopropyltoluene	101%	97.2%	3.4%	< 1.0	< 1.0
1,4-Dichlorobenzene	104%	102%	2.1%	< 1.0	< 1.0
n-Butylbenzene	105%	101%	3.5%	< 1.0	< 1.0
1,2-Dichlorobenzene	103%	102%	1.0%	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	102%	111%	8.1%	< 2.0	< 2.0
1,3,5-Trichlorobenzene	107%	105%	2.3%	< 1.0	< 1.0
1,2,4-Trichlorobenzene	106%	107%	0.6%	< 1.0	< 1.0
Hexachlorobutadiene	109%	103%	5.5%	< 1.0	< 1.0
Naphthalene	99.2%	100%	1.2%	< 3.0	< 3.0
1,2,3-Trichlorobenzene	109%	107%	2.2%	< 1.0	< 1.0

Table 2
QC Results

Lab # associated with qc samples: W2347 through W2365

	Matrix				Blank	Blank
	Matrix	Spike	Duplicate			
Date Analyzed:	W2354	W2354			6/14/08	6/15/08
Compound	% Rec		% Rec	RPD		ug/L
Dichlorodifluoromethane	91.6%		91.3%	0.3%	< 1.0	< 1.0
Chloromethane	80.2%		84.8%	5.6%	< 1.0	< 1.0
Vinyl chloride	98.8%		100%	1.3%	< 1.0	< 1.0
Bromomethane	110%		112%	1.7%	< 1.0	< 1.0
Chloroethane	105%		115%	9.2%	< 1.0	< 1.0
Trichlorofluoromethane	123%		114%	7.7%	< 1.0	< 1.0
1,1-Dichloroethene	108%		106%	1.6%	< 1.0	< 1.0
Methylene chloride	99.3%		133%	28.6%	< 1.0	< 1.0
trans-1,2-Dichloroethene	117%		103%	12.3%	< 1.0	< 1.0
1,1-Dichloroethane	96.7%		90.0%	7.2%	< 1.0	< 1.0
cis-1,2-Dichloroethene	96.6%		90.0%	7.1%	< 1.0	< 1.0
2,2-Dichloropropane	102%		94.5%	7.6%	< 1.0	< 1.0
Bromochloromethane	86.8%		86.5%	0.3%	< 1.0	< 1.0
Chloroform	96.8%		90.1%	7.2%	< 1.0	< 1.0
1,1,1-Trichloroethane	104%		94.6%	9.5%	< 1.0	< 1.0
1,1-Dichloropropene	105%		100%	4.6%	< 1.0	< 1.0
Carbon tetrachloride	118%		112%	5.0%	< 1.0	< 1.0
Benzene	103%		101%	2.2%	< 1.0	< 1.0
1,2-Dichloroethane	96.6%		91.7%	5.2%	< 1.0	< 1.0
Trichloroethene	104%		101%	3.1%	< 1.0	< 1.0
1,2-Dichloropropane	94.8%		90.4%	4.8%	< 1.0	< 1.0
Dibromomethane	89.9%		90.4%	0.6%	< 1.0	< 1.0
Bromodichloromethane	94.2%		92.1%	2.3%	< 1.0	< 1.0
cis-1,3-Dichloropropene	87.2%		86.2%	1.2%	< 2.0	< 2.0
Toluene	80.2%		83.0%	3.4%	< 1.0	< 1.0
trans-1,3-Dichloropropene	82.7%		85.9%	3.8%	< 1.0	< 1.0
1,1,2-Trichloroethane	83.3%		85.3%	2.4%	< 1.0	< 1.0
Tetrachloroethene	107%		110%	2.8%	< 1.0	< 1.0
1,3-Dichloropropane	83.3%		84.0%	0.8%	< 1.0	< 1.0
Dibromochloromethane	85.7%		87.4%	2.0%	< 1.0	< 1.0
1,2-Dibromoethane	82.0%		83.8%	2.2%	< 1.0	< 1.0
Chlorobenzene	106%		103%	3.3%	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	107%		97.5%	9.3%	< 1.0	< 1.0
Ethyl benzene	104%		99.7%	4.2%	< 1.0	< 1.0

Table 2
QC Results

Lab # associated with qc samples: W2347 through W2365

	Matrix	Spike	Duplicate	Blank	Blank		
Date Analyzed:	W2354	W2354		6/14/08	6/15/08		
Compound	% Rec		% Rec	RPD		ug/L	ug/L
Xylenes, Total	104%		101%	3.1%		< 2.0	< 2.0
Styrene	94.5%		92.8%	1.8%		< 1.0	< 1.0
Bromoform	86.6%		85.9%	0.8%		< 2.0	< 2.0
Isopropylbenzene	98.9%		95.1%	3.9%		< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	78.2%		79.6%	1.8%		< 2.0	< 2.0
Bromobenzene	98.9%		99.5%	0.6%		< 1.0	< 1.0
1,2,3-Trichloropropane	82.8%		81.8%	1.2%		< 2.0	< 2.0
n-Propylbenzene	102%		100%	2.0%		< 1.0	< 1.0
2-Chlorotoluene	101%		99.9%	1.1%		< 1.0	< 1.0
1,3,5-Trimethylbenzene	98.4%		98.6%	0.2%		< 1.0	< 1.0
4-Chlorotoluene	99.9%		100%	0.4%		< 1.0	< 1.0
tert-Butylbenzene	100%		101%	0.5%		< 1.0	< 1.0
1,2,4-Trimethylbenzene	96.2%		96.8%	0.6%		< 1.0	< 1.0
sec-Butylbenzene	99.5%		99.0%	0.5%		< 1.0	< 1.0
1,3-Dichlorobenzene	105%		106%	0.9%		< 1.0	< 1.0
p-Isopropyltoluene	105%		105%	0.2%		< 1.0	< 1.0
1,4-Dichlorobenzene	104%		105%	1.2%		< 1.0	< 1.0
n-Butylbenzene	106%		106%	0.4%		< 1.0	< 1.0
1,2-Dichlorobenzene	102%		102%	0.4%		< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	76.3%		78.2%	2.5%		< 2.0	< 2.0
1,3,5-Trichlorobenzene	102%		104%	2.0%		< 1.0	< 1.0
1,2,4-Trichlorobenzene	95.2%		98.2%	3.1%		< 1.0	< 1.0
Hexachlorobutadiene	112%		111%	1.0%		< 1.0	< 1.0
Naphthalene	76.4%		81.0%	5.8%		< 3.0	< 3.0
1,2,3-Trichlorobenzene	91.6%		95.2%	3.9%		< 1.0	< 1.0

Table 3
QC Results 1,4-Dioxane– June

Table 3
QC Results

Lab # associated with qc samples: W2318 through W2345

Matrix	Matrix	Spike	Duplicate	LCS	Blank
W2321		W2321			
Date Extracted:	06/11/08	06/11/08		06/11/08	06/11/08
Date Analyzed:	06/13/08	06/13/08		06/13/08	06/13/08
Compound	% Rec		% Rec	RPD	
1,4-Dioxane	99.6%		94.0%	5.8%	

Table 3
QC Results

Lab # associated with qc samples: W2346 through W2365

Matrix	Matrix	Spike	Duplicate	LCS	Blank
W2353		W2353			
Date Extracted:	06/15/08	06/15/08		06/15/08	06/15/08
Date Analyzed:	06/15/08	06/15/08		06/15/08	06/15/08
Compound	% Rec		% Rec	RPD	
1,4-Dioxane	97.0%		93.5%	3.7%	
					93.4% < 1.0

Appendix A

Chain of Custody Sheets for Samples


**Environmental Chemistry
Consulting Services, Inc.**
Mt. Morris, WI
Monitoring Well
CHAIN OF CUSTODY No. 013698 *

Page 1 of 1

Turn Around (circle one) Normal Rush

Report Due:

Project Number:

Project Name: **KU HUMWELL ELEMENT**
Project Location: **CURRENT SPK WEL**

Mail Report To:

Company: **WATER + SEDIMENT**

Address:

Sampled By (Print):

Chuck Reel

P.O. No:

Quote No.:

Laboratory Number:

Sample Description:

Collection Date: 6/8/08 Time: 1020 Matrix: W Bottles: 4 Preserv: A Analysis Requested: Q2600 & 1,4Dioxane

KEP-6W-006-009

105F

4

A

Q2600 & 1,4Dioxane

W2319

KEP-6W-007-009

130F

4

A

W2320

KEP-6W-003-009

134F

8

#16

SP114

W2321

KEP-F8-017

125Z

4

A

W2322

KEP-6W-002-009

1533

4

A

W2323

KEP-6W-004-009

1617

4

A

W2324

KEP-6W-013-004

1800

4

A

W2325-

KEP-6W-009-007

1P50

4

A

W2326

*Preservation Code:

A=Water B=HCl C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Custody Seal Present/Absent:

Shipped Via:

Chuck Reel

Relinquished By:

Date/Time:

6/11/08 1910

Received By:

Jeff Gubbel

Date/Time:

4/9/08 0800

Chuck Reel

Relinquished By:

Date/Time:

Received By:

Jeff Gubbel

Date/Time:

Intact/Not Intact:

Seal #'s:

Receipt Temp:

Temp Blank Y N

in And $\leq 5^{\circ}\text{C}$



**Environmental Chemistry
Consulting Services, Inc.**

CHAIN OF CUSTODY Monitoring Well

No. **013711 ***

2525 Anthony Road

Madison, WI 53718

Phone 608-221-8700

FAX 608-221-4289

Page **1** of **1**
Turn Around (cycle one) Normal Rush

Report Due:

Invoice To:

Company:

Address:

P.O. No.:

Quote No.:

Laboratory
Number

Project Number: **KATHEMEN ELECTRIC**
Project Name: **CATHERINE SPANNES**
Project Location:
Sampled By (Print): **Chuck Reed**

Mail Report To:
Company: **MARTIN + SCOTT**
Address:
P.O. No.:

Date: **6/19/08** Time: **1740** Matrix: **W** Bottles: **7** Preserv: **H2O** Analyses Requested: **PCP & 1,4-Dioxane** Comments: **spike** Laboratory Number: **W2327**

Date: **6/19/08** Time: **1735** Matrix: **W** Bottles: **4** Preserv: **A** Analyses Requested: **PCP & 1,4-Dioxane** Comments: **spike** Laboratory Number: **W2328**

Date: **6/19/08** Time: **1570** Matrix: **W** Bottles: **4** Preserv: **A** Analyses Requested: **PCP & 1,4-Dioxane** Comments: **spike** Laboratory Number: **W2329**

Date: **6/19/08** Time: **1650** Matrix: **W** Bottles: **10** Preserv: **H2O** Analyses Requested: **PCP & 1,4-Dioxane** Comments: **spike** Laboratory Number: **W2330**

Date: **6/19/08** Time: **1715** Matrix: **W** Bottles: **7** Preserv: **H2O** Analyses Requested: **PCP & 1,4-Dioxane** Comments: **spike** Laboratory Number: **W2331**

Date: **6/19/08** Time: **1740** Matrix: **W** Bottles: **7** Preserv: **H2O** Analyses Requested: **PCP & 1,4-Dioxane** Comments: **spike** Laboratory Number: **W2332**

Date: **6/19/08** Time: **1740** Matrix: **W** Bottles: **7** Preserv: **H2O** Analyses Requested: **PCP & 1,4-Dioxane** Comments: **spike** Laboratory Number: **W2333**

Sample Description: **DUPLICATE 1**

Collection Date: **6/19/08** Time: **1740** Matrix: **W** Bottles: **7** Preserv: **H2O** Analyses Requested: **PCP & 1,4-Dioxane** Comments: **spike** Laboratory Number: **W2334**

Relinquished By: **Chad D. M. Reed** Received By: **Jeffrey Schubel** Date/Time: **6/19/08 1740** Date/Time: **6/19/08 1740**

Relinquished By: **Chad D. M. Reed** Received By: **Jeffrey Schubel** Date/Time: **6/19/08 1740** Date/Time: **6/19/08 1740**

•Preservation Code: **PCP & 1,4-Dioxane**

A=Acetone B=HCl C=H₂SO₄
D=HNO₃ E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Custody Seal Present/Absent: **Present** Seal #: **6**

Shipped Via: **Temp Blank Y N** **air mail**



**Environmental Chemistry
Consulting Services, Inc.**

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

CHAIN OF CUSTODY

No. 013710 *

Page 1 of 1

Turn Around (circle one) Normal Rush

Report Due:

Invoice To:

Company:

Address:

Project Number	Kutterman Electric	Mail Report To			
Project Name	CERITATE SPKES	Company			
Project Location		Address			
Sampled By (Print)	Chuck Pele	P.O. No.			
Sample Description	Collection Date Time	Total Bottles	Preserv	Analysis Requested	Laboratory Number

KEP-GW-018A-004	11/20 1444	W	7	A/B	PROOF & 1,4 Dime	W2341
DUPPLICATE 2	—	—	7	A/B		W2342
KEP-GW-018B-004	10/22 1444	W	7	A/B		W2343
KEP-GW-023A-004	1405 1441	W	7	A/B		W2344
KEP-GW-021A-004	1615 1440	W	4	A		W2345
KEP-GW-021B-004	1640 1400	W	4	A		W2346
KEP-GW-017B-004	1916 14	W	4	A	↓	W2347
KEP-GW-017A-004	1916	W	4	A	↓	W2348

*Preservation Code	Retained By	Date/Time:	Received By	Date/Time:
A=None B=HCl C=H2SO4	Charles C. Pele	11/20 1430	George J. Gutekunst	11/20 1430
D=HNO3 E=EnCore F=Methanol	Relinquisher By:	Date/Time:	Received By:	Date/Time:
G=NaOH O=Other (Indicate)				
Custody Seal: Present/Absent	Intact/Not Intact	Seal #'s	Receipt Temp:	Date/Time:
Shipped Via:			Temp Blank	Y N



**Environmental Chemistry
Consulting Services, Inc.**

2525 Atchison Road
Madison, WI 53718
Phone 608-221-8700
FAX 608-221-4289

CHAIN OF CUSTODY Monitoring Well

No. 013712 *

Page _____ of _____

Turn Around (circle one) Normal Rush

Report Due:

Invoice To:

Company:

Address:

Address:

P.O. No. _____ Quote No. _____

Laboratory Number _____

Comments _____

Analysis Requested _____

Total Bottles Present _____

Date Time Matrix _____

Collection _____

Sample Description _____

KEP-GW-0158-004	11/14/05 0	w	4	A	P200K + 1,4Dioxane		
KEP-GW-0159-004	11/20	w	4				
KEP-GW-0118-004	14/20	w	4				
KEP-GW-011A-004	14/40	w	4				
KEP-GW-0108-004	18/22	w	4				
KEP-GW-010A-004	19/27	w	4				
KEP-GW-010C-004	19/52	w	4				

*Preservation Code		Relinquished By:	Date/Time:	Received By:	Date/Time:
A=None	B=HCl	C=H2SO4	6/14/05 2000	John Schubel	6/14/05 2000
D=HNO3	E=EnCorr	F=Methanol			
G=NaOH	H=Other(indicate)				
Custody Seal: Present/Absent	Intact/Not Intact	Seal #5		Received By:	Date/Time:
Shipped Via					

WHITE - REPORT COPY

YELLOW - LABORATORY COPY

PINK - SAMPLER/SUBMITTER



**Environmental Chemistry
Consulting Services, Inc.**

CHAIN OF CUSTODY

No. 013716 *

2625 Advance Road
Madison, WI 53718
Phone 608-221-8700
FAX 608-221-4889

Monitoring Water

Project Number
Project Name
Project Location
Sampled By (Print)

Kuttenau Electric

CHEMIST SPKHS

Chuck Piel

Mail Report To:
Company
Address

DETROIT + SUELL

Address:

Turn Around (Circle one) Normal Rush
Report Due:

Invoice To:
Company

Date:

P.O. No.
Quote No.:
Laboratory
Number

Collection
Date
Time
Matrix

Total
Bottles
Preserv.

Analysis
Requested

Comments

Date/Time:

KEP-GW-016-004

6/12/08 1120 W 4 A

82008 & 1,4Dioxane

W2357

KEP-GW-012-004

1148

W2358

Date/Time:

KEP-GW-022-004

1446

1533

W2359

KEP-GW-027-004

1811

W2360

KEP-GW-025-004

1838

W2361

W2362

Date/Time:

*Preservation Code

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

Relinquished By

Chuck Piel

Date/Time:

6/12/08 1900

Received By:

Jeff Gabel

Date/Time:

6/12/08
1900

Received By:

Date/Time:

Received Temp:

Temp Blank Y N

On ice

Custody Seal: Present/Absent

Shipped via:



**Environmental Chemistry
Consulting Services, Inc.**

2625 Advance Road

Madison, WI 53718

Phone 608-221-8700

FAX 608-221-4888

Monitoring Wells

CHAIN OF CUSTODY No. 013707 *

Page 1 of 1

Turn Around (circle one)	Normal	Rush
Report Due:		

Project Number:

Project Name: *Kittlenton Electric*

Mail Report To:

Company: *MATRU - SCHILLER*

Invoice To:

Company:

Address:

Address:

Project Location:

Project Location: *Custer SPEKES*

P.O. No.:

Quote No.:

Laboratory
Number

Sampled By (Print):

Chuck Ru

Date:

Comments:

Analyses
Requested

Collection

Total
Bottles

Present

Matrix

Date

Time

KEP-6W-004

11/11/95

1451

W2363

KEP-6W-004

11/11/95

1451

W2364

KEP-6W-005

11/11/95

1451

W2365

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

Relinquished By:
Chuck Ru

Date/Time:
6/11/95 1500

Received By:
Greg Schubel

Date/Time:
6/11/95 1500

Received By:
Greg Schubel

Date/Time:
6/11/95 1500

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

Shipped Via:

Appendix B

FEDEX shipping label for Columbia Analytical Services, Inc.



USA AIRLINE

FMS
Flight
Number

837784146484

From 6/10/02 Sender's FedEx Account Number 226281991
 Date 6/10/02 Sender's Name Joe Kubale
 Sender's Company ECC, INC Phone (608) 345-1474
 Address 2525 ADVANCE RD City MADISON State WI ZIP 53718
 Your Internet/Billing Reference FedEx Express Web Address
 To Recipient's Name Phone 360-577-7222
 Company COLUMBIA ANALYTICAL
 Address 1317 S. 13th Ave City KELSO State WA ZIP 98626
 To HOLD at FedEx location, enter FedEx address We cannot deliver to P.O. boxes or FPO/DPO codes.

By using the 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.

0200

4a Express Package Service

 FedEx Priority Overnight
 Next business morning
FedEx Standard Overnight
 Non-business hours
 Packages up to 750 lbs.
 Delivery commitment up to 48 hrs.
 FedEx First Overnight
 FedEx Next Business Morning
 Delivery to select locations

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

 Packages over 150 lbs.
 Delivery commitment up to 48 hrs.
 FedEx 3Day Freight
 Next business day

4b Express Freight Service

 FedEx 10Day Freight
 Next business day

 FedEx 20Day Freight
 Second business day

 FedEx 30Day Freight
 Next business day

5 Packaging

 FedEx Envelope

 FedEx Pak®
 includes FedEx Small Pak, FedEx Large Pak, and FedEx Smart Pak

 Other

6 Special Handling

 SATURDAY Delivery

 HOLD Weekday

 HOLD Saturday

 FedEx Air Freight
 FedEx Priority Overnight are

FedEx Location

FedEx Air Freight and

FedEx Priority Overnight

FedEx Overnight

FedEx Air Freight to select locations

Does this shipment contain dangerous goods?

 No Yes Air Freight
 Dangerous Goods
 FedEx Location

 Yes

 Dangerous Goods
 FedEx Location

 Dry Ice

Dry or DOWNTIME

Dangerous Goods including Federal laws require shipping in FedEx containers

Cargo Aircraft Only

7 Payment Info:

 Sender

 Recipient

 Third Party

 Credit Card

 Cash/Check

 Enter Airbill No
 Credit Card No

 Exp.
 Use

Total Packages Total Weight Total Declared Value

\$.00

FedEx Use Only

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

 8 Release Signature Joe Kubale delivery without requiring signature

 By signing you authorize us to deliver this shipment without clearing a signature
 or agree to advance bill and to remit payment on my resulting claim.

© 1999-2002 FedEx. All rights reserved. EXPEDITED U.S.A. AIR MAIL

446

Appendix C

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

CHAIN OF CUSTODY

PAGE _____ OF _____ COC # _____

SR#:

Attn: Environmental Services

1317 South 18th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 685-7222x07 • FAX (360) 638-1068

PROJECT NAME	Kuhlman Electric
PROJECT NUMBER	
PROJECT MANAGER	<u>Karen M. Kuhlman</u>
CONTACT ADDRESS	WACKEFIRN - SUELL
STATE/ZIP	BLACK HAWK CO. ILLINOIS
EMAIL ADDRESS	
FAX	
REMARKS	<u>Call Karen or Mike</u>

SAMPLE ID.	DATE	TIME	LAB ID.	MATRIX	NUMBER OF CONTAINERS	
KEP-CW-003-009	6/9/08	1346	W	4	X	
KEP-CW-020A-004	6/9/08	1530	W	4	X	
KEP-CW-020B-004	6/4/08	1650	W	5	X	
Duplicate Duplicate 1	6/9/08	—	W	5	X	
KEP-CW-020A-004	6/10/08	—	W	4	X	
Duplicate 2	6/10/08	—	W	4	X	
TRIP BLANK	—	—	W	1	X	

Semivolatile Organics by GC/MS		
625	<input type="checkbox"/> 8270	<input type="checkbox"/> 8270LL
Volatile Organics (*see below)		
624	<input type="checkbox"/> 8260	<input type="checkbox"/> 8021
Hydrocarbons (Gas, Diesel, Oil)		
Gas	<input type="checkbox"/>	<input type="checkbox"/>
Fuel Fingerprint (FFI)		
Oil & Grease/TRPH	<input type="checkbox"/>	1664 SGT
PCBs	<input type="checkbox"/>	1664 HEM
Aroclors	<input type="checkbox"/>	
Pesticides/Herbicides	<input type="checkbox"/>	Congeners
608	<input type="checkbox"/> 8081A	<input type="checkbox"/> 8141A
Chlorophenolics	<input type="checkbox"/> 8081M	<input type="checkbox"/> 8151AD
Tetra	<input type="checkbox"/>	<input type="checkbox"/> PCP
PAHs	<input type="checkbox"/> 8310	<input type="checkbox"/> SIM
Metals, Total or Dissolved (See list below)		
Cyanide	<input type="checkbox"/>	Hex-Chrom
pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	<input type="checkbox"/>	
NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃	<input type="checkbox"/>	
TOX 9020	<input type="checkbox"/>	AOX 1650
1,4-Dioxane	<input type="checkbox"/>	506

Attn:
Mike
Karen

REMARKS

REPORT REQUIREMENTS		INVOICE INFORMATION	
I. Routine Report: Method Blank, Surrogate, as required		P.O. # <u>546 Wacker</u> Bill To: <u>546 wacker</u>	
II. Report Dup., MS, MSD as required		Total Metals: Al As 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	
III. Data Validation Report (includes all raw data)		'INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)	
IV. CLP Deliverable Report		P260B - Kuhlman Lirt	
V. EDD		1,4-Dioxane - must 0.5ug/l repeat limit	
Requested Report Date			

Circle which metals are to be analyzed.

RELINQUISHED BY: <u>Mark A. Kuhlman</u> Signature _____ Printed Name _____	RECEIVED BY: <u>Mark A. Kuhlman</u> Signature _____ Printed Name _____	RELINQUISHED BY: <u>Mark A. Kuhlman</u> Signature _____ Printed Name _____	RECEIVED BY: <u>Mark A. Kuhlman</u> Signature _____ Printed Name _____
Date/Time _____	Date/Time _____	Date/Time _____	Date/Time _____