TECHNICAL MEMORANDUM

September 24, 2008

To: Robert Martin
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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 September 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
1,1,1,2-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, quantitaion 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 in 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– September

TABLE 1

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

		W2407	W2408	W2409	W2410	W2411	W2412	W2413	W2414	W2415
		KEP-FB-018	KEP-GW-006-010	KEP-GW-008-010	KEP-GW-004-010	KEP-GW-002-010	KEP-GW-003-010	KEP-GW-013-005	KEP-GW-010B-005	KEP-GW-Duplicate 1
	Depth	-	-	-	-	-	-	-	-	-
	Date Collected	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08
	Time Collected	9:46	10:03	10:27	13:13	13:45	15:45	16:46	20:45	-
Volatiles	Date Analyzed	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08
Dioxane Date Analyzed	Reporting Limit	9-Sep-08	9-Sep-08	9-Sep-08	11-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08
VOLATILES	ug/L									
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	**8.5**	**22**	< 1.0	**2.6**	**21**
1,4-Dioxane-d8	%	117	113	105	99.9	99.6	104	109	110	106
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	**9.7**	**4.3**	**36**	**31**	**30**	< 1.0	**6.9**	**33**
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	**1.2**	**2.7**	< 1.0	< 1.0	**2.9**
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

		W2407 KEP-FB-018	W2408 KEP-GW-006-010	W2409 KEP-GW-008-010	W2410 KEP-GW-004-010	W2411 KEP-GW-002-010	W2412 KEP-GW-003-010	W2413 KEP-GW-013-005	W2414 KEP-GW-010B-005	W2415 KEP-GW-Duplicate 1
	Depth	-	-	-	-	-	-	-	-	-
	Date Collected	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08
	Time Collected	9:46	10:03	10:27	13:13	13:45	15:45	16:46	20:45	-
Volatiles	Date Analyzed	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08
Dioxane Date Analyzed	Reporting Limit	9-Sep-08	9-Sep-08	9-Sep-08	11-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08	9-Sep-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	%	100	104	103	103	103	105	104	105	104
Toluene-D8	%	101	101	99.3	98.3	97.8	101	100	101	99.0
4-Bromofluorobenzene	%	95.5	97.5	94.5	99.1	93.8	94.2	97.6	98.4	98.2

TABLE 1

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

		W2416 KEP-GW-014A-005	W2417 KEP-GW-014B-005	W2418 KEP-GW-023A-005	W2419 KEP-GW-023B-005	W2420 KEP-GW-011A-005	W2421 KEP-GW-011B-005	W2422 KEP-GW-010A-005	W2423 KEP-GW-010C-005	W2424 KEP-GW-007-010
	Depth	-	-	-	-	-	-	-	-	-
	Date Collected	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	8-Sep-08
	Time Collected	9:57	11:20	13:18	14:53	17:52	18:35	20:15	21:45	9:10
Volatiles	Date Analyzed	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	11-Sep-08	10-Sep-08	11-Sep-08	10-Sep-08	10-Sep-08
Dioxane Date Analyzed	Reporting Limit	9-Sep-08	9-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08
VOLATILES	ug/L									
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	**8.4**	< 1.0	**6.2**	< 1.0	< 1.0
1,4-Dioxane-d8	%	109	105	114	107	104	93.9	114	115	115
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**	< 1.0	< 1.0	**11**	**110**	< 1.0	**58**	< 1.0	< 1.0
Methylene Chloride	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	**4.7**	< 1.0	**1.7**	< 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	**1.2**	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.5**	< 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	**4.1**	< 1.0	**1.1**	< 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	**11**	< 1.0	**2.3**	< 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

		W2416 KEP-GW-014A-005	W2417 KEP-GW-014B-005	W2418 KEP-GW-023A-005	W2419 KEP-GW-023B-005	W2420 KEP-GW-011A-005	W2421 KEP-GW-011B-005	W2422 KEP-GW-010A-005	W2423 KEP-GW-010C-005	W2424 KEP-GW-007-010
	Depth	-	-	-	-	-	-	-	-	-
	Date Collected	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	8-Sep-08
	Time Collected	9:57	11:20	13:18	14:53	17:52	18:35	20:15	21:45	9:10
Volatiles	Date Analyzed	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	11-Sep-08	10-Sep-08	11-Sep-08	10-Sep-08	10-Sep-08
Dioxane Date Analyzed	Reporting Limit	9-Sep-08	9-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-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	%	105	107	105	104	105	98.3	105	105	104
Toluene-D8	%	99.0	101	100	103	96.4	113	99.8	99.6	99.0
4-Bromofluorobenzene	%	92.8	97.1	91.5	95.9	94.6	98.4	95.4	96.3	95.1

TABLE 1

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

		W2425 KEP-GW-009-008	W2426 KEP-GW-018A-005	W2427 KEP-GW-018B-005	W2437 KEP-GW-015A-005	W2438 KEP-GW-015B-005	W2439 KEP-GW-020A-005	W2440 KEP-GW-Duplicate 2	W2441 KEP-GW-020B-005	W2442 KEP-GW-021A-005
	Depth	-	-	-	-	-	-	-	-	-
	Date Collected	8-Sep-08	8-Sep-08	8-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08
	Time Collected	11:55	14:52	16:05	12:20	13:20	15:22	-	17:15	18:47
Volatiles	Date Analyzed	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08
Dioxane Date Analyzed	Reporting Limit	10-Sep-08	10-Sep-08	11-Sep-08	13-Sep-08	13-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08
VOLATILES	ug/L									
1,4-Dioxane	1.0	< 1.0	**5.1**	< 1.0	**1.9**	**3.8**	< 1.0	< 1.0	**1.0**	**2.0**
1,4-Dioxane-d8	%	111	103	80.9	101	105	96.9	94.4	92.7	89.8
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	**7.2**	**33**	**10**	**41**	**8.6**	**4.1**	**4.1**	**15**	**45**
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	**1.1**
Tetrachloroethene	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.3**
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

		W2425 KEP-GW-009-008	W2426 KEP-GW-018A-005	W2427 KEP-GW-018B-005	W2437 KEP-GW-015A-005	W2438 KEP-GW-015B-005	W2439 KEP-GW-020A-005	W2440 KEP-GW-Duplicate 2	W2441 KEP-GW-020B-005	W2442 KEP-GW-021A-005
	Depth	-	-	-	-	-	-	-	-	-
	Date Collected	8-Sep-08	8-Sep-08	8-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08	9-Sep-08
	Time Collected	11:55	14:52	16:05	12:20	13:20	15:22	-	17:15	18:47
Volatiles	Date Analyzed	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08
Dioxane Date Analyzed	Reporting Limit	10-Sep-08	10-Sep-08	11-Sep-08	13-Sep-08	13-Sep-08	11-Sep-08	11-Sep-08	11-Sep-08	11-Sep-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	%	106	107	105	108	109	105	105	108	107
Toluene-D8	%	100	98.9	98.4	97.1	98.3	99.6	101	98.0	100
4-Bromofluorobenzene	%	99.1	96.5	98.1	97.6	97.3	100	95.5	94.8	97.9

TABLE 1

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

		W2443 KEP-GW-021B-005	W2444 KEP-GW-016-005	W2445 KEP-GW-012-005	W2446 KEP-GW-017B-005	W2447 KEP-GW-017A-005	W2448 KEP-GW-027-005	W2449 KEP-GW-025-005	W2450 KEP-GW-026-005	W2451 KEP-GW-019-005
	Depth	-	-	-	-	-	-	-	-	-
	Date Collected	9-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	11-Sep-08	11-Sep-08
	Time Collected	20:13	9:20	11:49	13:30	14:15	18:29	19:14	10:15	11:53
Volatiles	Date Analyzed	11-Sep-08	11-Sep-08	12-Sep-08	12-Sep-08	12-Sep-08	12-Sep-08	12-Sep-08	12-Sep-08	12-Sep-08
Dioxane Date Analyzed	Reporting Limit	11-Sep-08	11-Sep-08	13-Sep-08	13-Sep-08	13-Sep-08	13-Sep-08	14-Sep-08	14-Sep-08	14-Sep-08
VOLATILES	ug/L									
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0	< 1.0	**5.3**	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dioxane-d8	%	91.0	74.9	106	101	106	96.0	97.7	104	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	**3.7**	< 1.0	< 1.0	**16**	**25**	< 1.0	**1.0**	< 1.0	**2.4**
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

		W2443 KEP-GW-021B-005	W2444 KEP-GW-016-005	W2445 KEP-GW-012-005	W2446 KEP-GW-017B-005	W2447 KEP-GW-017A-005	W2448 KEP-GW-027-005	W2449 KEP-GW-025-005	W2450 KEP-GW-026-005	W2451 KEP-GW-019-005
	Depth	-	-	-	-	-	-	-	-	-
	Date Collected	9-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	10-Sep-08	11-Sep-08	11-Sep-08
	Time Collected	20:13	9:20	11:49	13:30	14:15	18:29	19:14	10:15	11:53
Volatiles	Date Analyzed	11-Sep-08	11-Sep-08	12-Sep-08	12-Sep-08	12-Sep-08	12-Sep-08	12-Sep-08	12-Sep-08	12-Sep-08
Dioxane Date Analyzed	Reporting Limit	11-Sep-08	11-Sep-08	13-Sep-08	13-Sep-08	13-Sep-08	13-Sep-08	14-Sep-08	14-Sep-08	14-Sep-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	%	108	108	102	103	104	105	104	101	104
Toluene-D8	%	103	104	104	103	103	103	103	103	105
4-Bromofluorobenzene	%	95.2	95.9	93.7	93.4	92.7	93.4	94.6	93.3	94.4

TABLE 1

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

		W2452 KEP-GW-022-005	W2453 KEP-GW-024-005	W2454 KEP-GW-005-010						
	Depth	-	-	-						
	Date Collected	11-Sep-08	11-Sep-08	12-Sep-08						
	Time Collected	14:05	14:40	9:12						
Volatiles	Date Analyzed	13-Sep-08	13-Sep-08	13-Sep-08						
Dioxane Date Analyzed	Reporting Limit	14-Sep-08	14-Sep-08	14-Sep-08						
VOLATILES	ug/L									
1,4-Dioxane	1.0	< 1.0	< 1.0	< 1.0						
1,4-Dioxane-d8	%	111	108	102						
Dichlorodifluoromethane	1.0	< 1.0	< 1.0	< 1.0						
Chloromethane	1.0	< 1.0	< 1.0	< 1.0						
Vinyl chloride	1.0	< 1.0	< 1.0	< 1.0						
Bromomethane	1.0	< 1.0	< 1.0	< 1.0						
Chloroethane	1.0	< 1.0	< 1.0	< 1.0						
Trichlorofluoromethane	1.0	< 1.0	< 1.0	< 1.0						
1,1-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0						
Methylene Chloride	1.0	< 1.0	< 1.0	< 1.0						
trans-1,2-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0						
1,1-Dichloroethane	1.0	< 1.0	< 1.0	< 1.0						
cis-1,2-Dichloroethene	1.0	< 1.0	< 1.0	< 1.0						
2,2-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0						
Bromochloromethane	1.0	< 1.0	< 1.0	< 1.0						
Chloroform	1.0	< 1.0	< 1.0	< 1.0						
1,1,1-Trichloroethane	1.0	< 1.0	< 1.0	< 1.0						
1,1-Dichloropropene	1.0	< 1.0	< 1.0	< 1.0						
Carbon Tetrachloride	1.0	< 1.0	< 1.0	< 1.0						
Benzene	1.0	< 1.0	< 1.0	< 1.0						
1,2-Dichloroethane	1.0	< 1.0	< 1.0	< 1.0						
Trichloroethene	1.0	< 1.0	< 1.0	< 1.0						
1,2-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0						
Dibromomethane	1.0	< 1.0	< 1.0	< 1.0						
Bromodichloromethane	1.0	< 1.0	< 1.0	< 1.0						
cis-1,3-Dichloropropene	2.0	< 2.0	< 2.0	< 2.0						
Toluene	1.0	< 1.0	< 1.0	< 1.0						
trans-1,3-Dichloropropene	1.0	< 1.0	< 1.0	< 1.0						
1,1,2-Trichloroethane	1.0	< 1.0	< 1.0	< 1.0						
Tetrachloroethene	1.0	< 1.0	< 1.0	< 1.0						
1,3-Dichloropropane	1.0	< 1.0	< 1.0	< 1.0						
Dibromochloromethane	1.0	< 1.0	< 1.0	< 1.0						
1,2-Dibromoethane	1.0	< 1.0	< 1.0	< 1.0						

TABLE 1

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

Volatiles Dioxane Date Analyzed **VOLATILES**	Depth Date Collected Time Collected Date Analyzed Reporting Limit ug/L	W2452 KEP-GW-022-005 - 11-Sep-08 14:05 13-Sep-08 14-Sep-08	W2453 KEP-GW-024-005 - 11-Sep-08 14:40 13-Sep-08 14-Sep-08	W2454 KEP-GW-005-010 - 12-Sep-08 9:12 13-Sep-08 14-Sep-08
Chlorobenzene	1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	1.0	< 1.0	< 1.0	< 1.0
Ethyl Benzene	1.0	< 1.0	< 1.0	< 1.0
Xylenes, Total	2.0	< 2.0	< 2.0	< 2.0
Styrene	1.0	< 1.0	< 1.0	< 1.0
Bromoform	2.0	< 2.0	< 2.0	< 2.0
Isopropylbenzene	1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	2.0	< 2.0	< 2.0	< 2.0
Bromobenzene	1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	2.0	< 2.0	< 2.0	< 2.0
n-Propylbenzene	1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	2.0	< 2.0	< 2.0	< 2.0
1,3,5-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	1.0	< 1.0	< 1.0	< 1.0
Naphthalene	3.0	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	1.0	< 1.0	< 1.0	< 1.0
Surrogates:				
Dibromofluoromethane	%	103	103	98.0
Toluene-D8	%	102	102	103
4-Bromofluorobenzene	%	97.2	95.0	93.2

Table 2

QC Results Volatiles– September

Table 2
QC Results

Lab # associated with qc samples: W2407 through W2426

	Matrix Spike	Matrix Spike Duplicate		Blank	Blank
Date Analyzed:	W2408	W2408		9/10/08	9/11/08

Compound	% Rec		% Rec	RPD		ug/L	ug/L
Dichlorodifluoromethane	103%		97.4%	5.2%		< 1.0	< 1.0
Chloromethane	105%		103%	2.1%		< 1.0	< 1.0
Vinyl chloride	110%		107%	2.6%		< 1.0	< 1.0
Bromomethane	102%		99.0%	2.8%		< 1.0	< 1.0
Chloroethane	115%		105%	9.1%		< 1.0	< 1.0
Trichlorofluoromethane	114%		107%	6.0%		< 1.0	< 1.0
1,1-Dichloroethene	110%		103%	6.6%		< 1.0	< 1.0
Methylene chloride	108%		106%	2.4%		< 1.0	< 1.0
trans-1,2-Dichloroethene	111%		105%	5.7%		< 1.0	< 1.0
1,1-Dichloroethane	115%		109%	5.6%		< 1.0	< 1.0
cis-1,2-Dichloroethene	104%		99.2%	5.1%		< 1.0	< 1.0
2,2-Dichloropropane	110%		106%	3.9%		< 1.0	< 1.0
Bromochloromethane	102%		98.8%	3.4%		< 1.0	< 1.0
Chloroform	105%		102%	2.7%		< 1.0	< 1.0
1,1,1-Trichloroethane	108%		105%	2.8%		< 1.0	< 1.0
1,1-Dichloropropene	101%		99.8%	1.4%		< 1.0	< 1.0
Carbon tetrachloride	109%		101%	7.6%		< 1.0	< 1.0
Benzene	102%		101%	1.2%		< 1.0	< 1.0
1,2-Dichloroethane	102%		103%	0.2%		< 1.0	< 1.0
Trichloroethene	103%		97.4%	5.2%		< 1.0	< 1.0
1,2-Dichloropropane	101%		100%	0.4%		< 1.0	< 1.0
Dibromomethane	102%		100%	2.2%		< 1.0	< 1.0
Bromodichloromethane	98.2%		100%	2.2%		< 1.0	< 1.0
cis-1,3-Dichloropropene	92.0%		93.6%	1.7%		< 2.0	< 2.0
Toluene	100%		95.6%	4.7%		< 1.0	< 1.0
trans-1,3-Dichloropropene	93.0%		94.0%	1.1%		< 1.0	< 1.0
1,1,2-Trichloroethane	95.6%		98.6%	3.1%		< 1.0	< 1.0
Tetrachloroethene	101%		97.6%	3.0%		< 1.0	< 1.0
1,3-Dichloropropane	92.8%		95.4%	2.8%		< 1.0	< 1.0
Dibromochloromethane	94.6%		98.8%	4.3%		< 1.0	< 1.0
1,2-Dibromoethane	93.2%		93.4%	0.2%		< 1.0	< 1.0
Chlorobenzene	99.8%		101%	1.6%		< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	98.0%		101%	2.8%		< 1.0	< 1.0
Ethyl benzene	102%		99.6%	2.4%		< 1.0	< 1.0

Table 2
QC Results

Lab # associated with qc samples: W2407 through W2426

	Matrix Spike	Matrix Spike Duplicate		Blank	Blank
Date Analyzed:	W2408	W2408		9/10/08	9/11/08

Compound	% Rec		% Rec	RPD		ug/L	ug/L
Xylenes, Total	104%		103%	1.0%		< 2.0	< 2.0
Styrene	102%		99.8%	1.8%		< 1.0	< 1.0
Bromoform	91.2%		95.2%	4.3%		< 2.0	< 2.0
Isopropylbenzene	99.2%		98.2%	1.0%		< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	95.8%		102%	5.9%		< 2.0	< 2.0
Bromobenzene	98.2%		100%	1.8%		< 1.0	< 1.0
1,2,3-Trichloropropane	102%		101%	1.4%		< 2.0	< 2.0
n-Propylbenzene	102%		99.2%	3.0%		< 1.0	< 1.0
2-Chlorotoluene	104%		99.0%	4.9%		< 1.0	< 1.0
1,3,5-Trimethylbenzene	99.2%		98.2%	1.0%		< 1.0	< 1.0
4-Chlorotoluene	100%		98.0%	2.4%		< 1.0	< 1.0
tert-Butylbenzene	97.6%		97.8%	0.2%		< 1.0	< 1.0
1,2,4-Trimethylbenzene	96.2%		96.2%	0.0%		< 1.0	< 1.0
sec-Butylbenzene	100%		98.2%	2.0%		< 1.0	< 1.0
1,3-Dichlorobenzene	102%		100%	1.6%		< 1.0	< 1.0
p-Isopropyltoluene	96.6%		95.8%	0.8%		< 1.0	< 1.0
1,4-Dichlorobenzene	101%		99.4%	1.2%		< 1.0	< 1.0
n-Butylbenzene	95.2%		96.0%	0.8%		< 1.0	< 1.0
1,2-Dichlorobenzene	98.6%		101%	2.6%		< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	95.4%		102%	6.5%		< 2.0	< 2.0
1,3,5-Trichlorobenzene	90.8%		90.6%	0.2%		< 1.0	< 1.0
1,2,4-Trichlorobenzene	85.2%		88.6%	3.9%		< 1.0	< 1.0
Hexachlorobutadiene	98.8%		97.2%	1.6%		< 1.0	< 1.0
Naphthalene	80.0%		87.6%	9.1%		< 3.0	< 3.0
1,2,3-Trichlorobenzene	88.0%		91.8%	4.2%		< 1.0	< 1.0

Table 2
QC Results

Lab # associated with qc samples: W2427 Matrix W2437 through W2454

	Matrix Spike	Matrix Spike Duplicate		Blank	Blank
Date Analyzed:	W2449	W2449		9/12/08	9/13/08

Compound	% Rec		% Rec	RPD		ug/L	ug/L
Dichlorodifluoromethane	101%		98.6%	2.4%		< 1.0	< 1.0
Chloromethane	104%		106%	1.9%		< 1.0	< 1.0
Vinyl chloride	101%		106%	5.4%		< 1.0	< 1.0
Bromomethane	105%		120%	12.6%		< 1.0	< 1.0
Chloroethane	105%		107%	2.5%		< 1.0	< 1.0
Trichlorofluoromethane	108%		107%	0.6%		< 1.0	< 1.0
1,1-Dichloroethene	101%		101%	0.2%		< 1.0	< 1.0
Methylene chloride	105%		99.8%	4.9%		< 1.0	< 1.0
trans-1,2-Dichloroethene	104%		104%	0.6%		< 1.0	< 1.0
1,1-Dichloroethane	104%		106%	2.3%		< 1.0	< 1.0
cis-1,2-Dichloroethene	102%		101%	0.2%		< 1.0	< 1.0
2,2-Dichloropropane	101%		100%	0.4%		< 1.0	< 1.0
Bromochloromethane	102%		101%	1.2%		< 1.0	< 1.0
Chloroform	83.6%		84.6%	1.2%		< 1.0	< 1.0
1,1,1-Trichloroethane	103%		104%	1.2%		< 1.0	< 1.0
1,1-Dichloropropene	97.2%		101%	4.2%		< 1.0	< 1.0
Carbon tetrachloride	105%		102%	3.1%		< 1.0	< 1.0
Benzene	103%		105%	2.1%		< 1.0	< 1.0
1,2-Dichloroethane	102%		101%	0.6%		< 1.0	< 1.0
Trichloroethene	103%		97.4%	5.2%		< 1.0	< 1.0
1,2-Dichloropropane	99.2%		96.6%	2.7%		< 1.0	< 1.0
Dibromomethane	95.4%		95.2%	0.2%		< 1.0	< 1.0
Bromodichloromethane	82.2%		85.4%	3.8%		< 1.0	< 1.0
cis-1,3-Dichloropropene	91.4%		91.8%	0.4%		< 2.0	< 2.0
Toluene	100%		101%	0.6%		< 1.0	< 1.0
trans-1,3-Dichloropropene	90.8%		93.2%	2.6%		< 1.0	< 1.0
1,1,2-Trichloroethane	97.0%		95.4%	1.7%		< 1.0	< 1.0
Tetrachloroethene	98.8%		97.6%	1.2%		< 1.0	< 1.0
1,3-Dichloropropane	93.2%		91.4%	2.0%		< 1.0	< 1.0
Dibromochloromethane	87.4%		85.8%	1.8%		< 1.0	< 1.0
1,2-Dibromoethane	96.0%		96.2%	0.2%		< 1.0	< 1.0
Chlorobenzene	99.8%		104%	3.9%		< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	98.6%		98.8%	0.2%		< 1.0	< 1.0
Ethyl benzene	97.2%		100%	3.2%		< 1.0	< 1.0

Table 2
QC Results

Lab # associated with qc samples: W2427 through W2454

	Matrix Spike	Matrix Spike Duplicate		Blank	Blank
Date Analyzed:	W2449	W2449		9/12/08	9/13/08

Compound	% Rec		% Rec	RPD		ug/L	ug/L
Xylenes, Total	98.9%		99.9%	1.0%		< 2.0	< 2.0
Styrene	96.4%		101%	5.1%		< 1.0	< 1.0
Bromoform	90.8%		92.2%	1.5%		< 2.0	< 2.0
Isopropylbenzene	94.8%		99.2%	4.5%		< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	94.6%		94.8%	0.2%		< 2.0	< 2.0
Bromobenzene	97.6%		99.2%	1.6%		< 1.0	< 1.0
1,2,3-Trichloropropane	95.4%		97.0%	1.7%		< 2.0	< 2.0
n-Propylbenzene	98.0%		104%	5.9%		< 1.0	< 1.0
2-Chlorotoluene	101%		104%	3.5%		< 1.0	< 1.0
1,3,5-Trimethylbenzene	96.4%		100%	3.9%		< 1.0	< 1.0
4-Chlorotoluene	97.6%		104%	6.0%		< 1.0	< 1.0
tert-Butylbenzene	95.0%		100%	5.5%		< 1.0	< 1.0
1,2,4-Trimethylbenzene	98.4%		102%	3.2%		< 1.0	< 1.0
sec-Butylbenzene	96.8%		103%	6.0%		< 1.0	< 1.0
1,3-Dichlorobenzene	104%		105%	1.5%		< 1.0	< 1.0
p-Isopropyltoluene	102%		103%	0.8%		< 1.0	< 1.0
1,4-Dichlorobenzene	99.6%		101%	1.2%		< 1.0	< 1.0
n-Butylbenzene	105%		107%	1.9%		< 1.0	< 1.0
1,2-Dichlorobenzene	100%		101%	0.2%		< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	99.2%		97.4%	1.8%		< 2.0	< 2.0
1,3,5-Trichlorobenzene	97.4%		99.2%	1.8%		< 1.0	< 1.0
1,2,4-Trichlorobenzene	92.4%		94.2%	1.9%		< 1.0	< 1.0
Hexachlorobutadiene	88.8%		99.6%	11.5%		< 1.0	< 1.0
Naphthalene	88.2%		88.0%	0.2%		< 3.0	< 3.0
1,2,3-Trichlorobenzene	92.4%		95.6%	3.4%		< 1.0	< 1.0

Table 3

QC Results 1,4-Dioxane– September

Table 3
QC Results

Lab # associated with qc samples: W2407 through W2409
W2411 through W2426

	Matrix Spike	Matrix Spike Duplicate		LCS	Blank
	W2411	W2411			
Date Extracted:	09/08/08	09/08/08		09/08/08	09/08/08
Date Analyzed:	09/09/08	09/09/08		09/09/08	09/09/08

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	104%		104%	0.0%		115%	< 1.0

Table 3
QC Results

Lab # associated with qc samples: W2410 and W2427
W2437 through W2454

	Matrix Spike	Matrix Spike Duplicate		LCS	Blank
	W2446	W2446			
Date Extracted:	09/11/08	09/11/08		09/11/08	09/11/08
Date Analyzed:	09/13/08	09/13/08		09/13/08	09/11/08

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	101%		107%	5.8%		105%	< 1.0

Appendix A

Chain of Custody Sheets for Samples

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

Monitoring Wells

No. 013761

Page 1 of 1

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

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
KEP-FB-018	9/6/08	0946	W	4	A	1,4 Dioxane + 8260B		W2407
KEP-GW-006-010		1003		4	A			W2408
KEP-GW-008-010		1027		4	A			W2409
KEP-GW-004-010		1313		4	A			W2410
KEP-GW-002-010		1345		4	A			W2411
KEP-GW-003-010		1545		7	A/B			W2412
KEP-GW-013-005		1646		4	A			W2413
KEP-GW-010B-005		2045		7	A/B			W2414
KEP-DUPLICATE 1	↓	—	↓	7	A/B	↓ ↓		W2415

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

Relinquished By: Chuck Paul	Date/Time: 9/7/08 2200	Received By:	Date/Time: 9/7/08 2200
Relinquished By:	Date/Time:	Received By:	Date/Time:

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

Shipped Via:

Receipt Temp: Ice Packs @ <5°C

Temp Blank Y N

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

Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

monitoring wells

No. 013762 *

Page 1 of 1

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

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
KEP-6W-014A-005	9/7/08	0957	W	4	A	1,4 Dioxane & 8260B		W2416
KEP-6W-014B-005		1120						W2417
KEP-6W-023A-005		1318						W2418
KEP-6W-023B-005		1453						W2419
KEP-6W-011A-005		1752						W2420
KEP-6W-011B-005		1835						W2421
KEP-6W-010A-005		2015						W2422
KEP-6W-010C-005		2145						W2423

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

Relinquished By: Chuck O.M. Peel	Date/Time: 9/7/08 2200	Received By:	Date/Time: 9/7/08 2200
Relinquished By:	Date/Time:	Received By:	Date/Time:

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

Shipped Via:

Receipt Temp:

Temp Blank Y N ice

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

CHAIN OF COUSTODY

monitoring well

No. 013763 *

Page 1 of 1

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

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
KEP-GW-007-010	9/8/08	0910	W	7	A/B	1,4 Dioxane + 8260B		W2424
KEP-GW-009-008	↓	1155	↓	7	A/B	↓		W2425
KEP-GW-018A-005	↓	1452	↓	7	A/B	↓		W2426
KEP-GW-018B-005	↓	1605	↓	4	A	↓		W2427

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

Relinquished By: Charles O. M. Paul	Date/Time: 9/8/08 1630	Received By: [signature]	Date/Time: 9/8/08 1630
Relinquished By:	Date/Time:	Received By:	Date/Time:

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

Shipped Via:

Receipt Temp:

Temp Blank Y N [signature]

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Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

Monitoring Wells

No. 013765 *

Page 1 of 1

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

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
KEP-GW-015A-005	9/9/08	1220	W	7	A/B	1,4 Dioxane + 8260B		W2437
KEP-GW-015B-005		1320		4	A			W2438
KEP-GW-020A-005		1522		7	A/B			W2439
KEP-DUPLICATE 2		—		7	A/B			W2440
KEP-GW-020B-005		1715		7	A/B			W2441
KEP-GW-021A-005		1847		4	A			W2442
KEP-GW-021B-005		2013		4	A			W2443

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

Relinquished By: Charles D. M. Peel	Date/Time: 9/9/08 2030	Received By:	Date/Time: 9/9/08 2030
Relinquished By:	Date/Time:	Received By:	Date/Time:

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

Shipped Via:

Receipt Temp:
Temp Blank Y N

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

CHAIN OF CUSTODY

Monitoring Well

No. 013766 *

Page 1 of 1

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

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
KEP-GW-016-005	9/10/08	0920	W	4	A	1,4 Dioxane + 8260B		W2444
KEP-GW-012-005		1149						W2445
KEP-GW-017B-005		1330						W2446
KEP-GW-017A-005		1415						W2447
KEP-GW-027-005		1829						W2448
KEP-GW-025-005		1914						W2449

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

Relinquished By: Chuck O. M. Paul	Date/Time: 9/10/08 1930	Received By:	Date/Time: 9/10/08 1930
Relinquished By:	Date/Time:	Received By:	Date/Time:

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

Shipped Via.

Receipt Temp:
Temp Blank Y N On ice

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Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

No. 013767 *

Monitoring wells

Page 1 of 1

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

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
KEP-GW-026-005	9/11/08	1015	W	4	A	1,4 Dioxane + 8260B		W2450
KEP-GW-019-005	↓	1153	↓	↓	↓	↓		W2451
KEP-GW-022-005	↓	1405	↓	↓	↓	↓		W2452
KEP-GW-024-005	↓	1440	↓	↓	↓	↓		W2453

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

Relinquished By: Charles A. M. Paul	Date/Time: 9/11/08 1500	Received By:	Date/Time: 9/11/08 1500
Relinquished By:	Date/Time:	Received By:	Date/Time:

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

Shipped Via:

Receipt Temp:

Temp Blank Y N On ice

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Environmental Chemistry Consulting Services, Inc.

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

CHAIN OF CUSTODY

Monitoring Wells

No. 013768 *

Page 1 of 1

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

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
KEP-GW-005-010	9/12/05	0912	W	4	A	1,4 Dioxane + 8260B		W 2454

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

Relinquished By: Chuck Peel	Date/Time: 9/12/05 0930	Received By:	Date/Time: 9/12/05 0930
Relinquished By:	Date/Time:	Received By:	Date/Time:

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

Shipped Via:

Receipt Temp:
Temp Blank Y N On ice

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Appendix B

FEDEX shipping label for Columbia Analytical Services, Inc.

FedEx Express **USA Airbill**

FedEx Tracking Number: 837784146430

Form I.D. No.: 0200

From *Please print and press hard.*

Date: 9/9/08 Sender's FedEx Account Number: 2262 8199 1

Sender's Name: Joe Kubale Phone: (608) 345-1974

Company: ECCS INC

Address: 2525 ADVANCE RD

Dept./Floor/Suite/Room:

City: MADISON State: WI ZIP: 53718

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

To

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

Company: COLUMBIA ANALYTICAL

Address:
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address: 1317 South 13th AVE

Dept./Floor/Suite/Room:

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.

- [X] 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
- [X] 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.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

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

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No.: 2262 8199 1 Exp. Date:

Total Packages	Total Weight	Total Declared Value†
		$ .00

FedEx Use Only

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

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 #157812 • ©1994–2001 FedEx • PRINTED IN U.S.A. WCSL 02

FedEx Express **USA Airbill**

FedEx Tracking Number: 837784146429

Form I.D. No.: 0200

From *Please print and press hard.*

Date: 9/10/08 Sender's FedEx Account Number: 2262 8199 1

Sender's Name: Joe Kubale Phone: (608) 345-1974

Company: ECCS INC

Address: 2525 ADVANCE RD

Dept./Floor/Suite/Room:

City: MADISON State: WI ZIP: 53718

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

To

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

Company: COLUMBIA ANALYTICAL

Address:
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address: 1317 South 13th AVE

Dept./Floor/Suite/Room:

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.

- [X] 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
- [X] 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.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

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

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No.: 2262 8199 1 Exp. Date:

Total Packages	Total Weight	Total Declared Value†
		$ .00

FedEx Use Only

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

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.

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Appendix C

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

Columbia Analytical Services INC.
An Employee - Owned Company

CHAIN OF CUSTODY

SR#: ____ PAGE 1 OF 1 COC #: ____

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PROJECT NAME: Kuhlman Electric
PROJECT NUMBER:
PROJECT MANAGER: [illegible] Martin
COMPANY/ADDRESS: [illegible]
CITY/STATE/ZIP: [illegible] NC
E-MAIL ADDRESS:
PHONE #: FAX#:
SAMPLER'S SIGNATURE: [illegible]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 ☒	Hydrocarbons (*see below) Gas ☐ Diesel ☐ Oil ☐ 8021 ☐ BTEX ☐	Fuel Fingerprint (FIQ) ☐ NW-HCID Screen ☐	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐ 8141A ☐ 8151A ☐	Chlorophenolics - 8151M Tri ☐ Tetra ☐ PCP ☐	PAHS 8310 ☐ SIM ☐	Metals, Total or Dissolved (See list below)	Cyanide ☐ Hex-Chrom ☐	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	1,4 Dioxane by 8270 [illegible]				REMARKS
KEP-GW-003-GW	9/16/08	1545			5		X													X				
KEP-GW-010E-GW	9/16/08	2045			4		X													X				
KEP-DUPLICATE 1	9/16/08	-----			5		X													X				

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required

X II. Report Dup., MS, MSD as required

___ III. Data Validation Report (includes all raw data)

___ IV. CLP Deliverable Report

___ V. EDD

INVOICE INFORMATION

P.O. #: ____
Bill To: Doug Warner

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.

___ 5 Day

X Standard (10-15 working days)

___ Provide FAX Results

____ Requested Report Date

Circle which metals are to be analyzed:

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

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

SPECIAL INSTRUCTIONS/COMMENTS:
[illegible] - Kuhlman list
[illegible]

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature: [illegible]	Date/Time: [illegible]	Signature	Date/Time	Signature	Date/Time	Signature	Date/Time
Printed Name: [illegible]	Firm: [illegible]	Printed Name	Firm	Printed Name	Firm	Printed Name	Firm

CHAIN OF CUSTODY

Columbia Analytical Services, Inc.
An Employee - Owned Company

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

SR#:_____

PAGE 1 OF 1 COC #_____

PROJECT NAME: [illegible]
PROJECT NUMBER:
PROJECT MANAGER: [illegible]
COMPANY/ADDRESS: [illegible]
CITY/STATE/ZIP: [illegible]
E-MAIL ADDRESS:
PHONE #: FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☐	Volatile Organics 624☐ 8260☒ 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐ ☐Fuel Fingerprint (FIQ) ☐NW-HCID Screen	Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCB's Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081A☐ 8141A☐ 8151A☐	Chlorophenolics Tri☐ Tetra☐ - 8151M PCP☐	PAHS 8310☐ SIM☐	Metals, Total or Dissolved (See list below)	Cyanide☐	Hex-Chrom☐	pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS (circle)	NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020☐ AOX 1650☐ 506☐	1,4-Dioxane by 8270 SIM				REMARKS
[illegible]	[illegible]	[illegible]			5			X													X				
[illegible]	[illegible]	—			5			X													X				
[illegible]	[illegible]	[illegible]			4			X													X				
[illegible]	—	—			1																				

REPORT REQUIREMENTS

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

INVOICE INFORMATION

P.O. # _____
Bill To: [illegible]

TURNAROUND REQUIREMENTS

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

Requested Report Date

Circle which metals are to be analyzed:

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

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

SPECIAL INSTRUCTIONS/COMMENTS:

8260B - [illegible]
1,4-Dioxane - [illegible]

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature / Date/Time	Signature / Date/Time	Signature / Date/Time	Signature / Date/Time
Printed Name / Firm	Printed Name / Firm	Printed Name / Firm	Printed Name / Firm