

October 1, 2008

Analytical Report for Service Request No: K0808709

Joe Kabale
Environmental Chemistry Consulting Services, Inc.
2525 Advance Rd.
Madison, WI 53718

RE: Kuhlman Electric

Dear Joe:

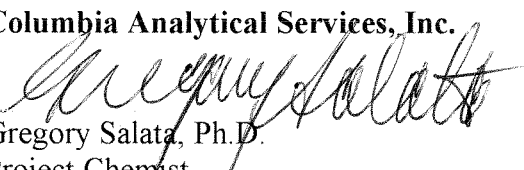
Enclosed are the results of the samples submitted to our laboratory on September 10, 2008. For your reference, these analyses have been assigned our service request number K0808709.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3376. You may also contact me via Email at GSalata@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Gregory Salata, Ph.D.
Project Chemist

GS/lb

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-





Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Environmental Chemistry Consulting Services, Inc. **Service Request No.:** K0808709
Project: Kuhlman Electric **Date Received:** 09/10/08
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS), and Laboratory/Duplicate Laboratory Control Sample (LCS/DLCS).

Sample Receipt

Three water samples were received for analysis at Columbia Analytical Services on 09/10/08. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Volatile Organic Compounds by EPA Method 8260B

Initial Calibration (ICAL) Exceptions:

The primary evaluation criterion was exceeded for Dichlorofluoromethane and Trichlorofluoromethane in ICAL ID 7782. In accordance with CAS standard operating procedures, the alternative evaluation specified in the EPA method was performed using the mean Relative Standard Deviation (RSD) of all analytes in the calibration. The result of the mean RSD calculation was 7.9%. The calibration meets the alternative evaluation criteria. Note that CAS/Kelso policy does not allow the use of averaging if any analyte in the ICAL exceeds 30% RSD.

Matrix Spike Recovery Exceptions:

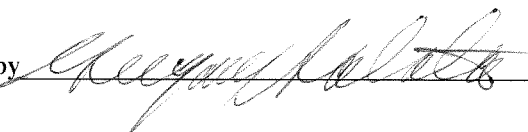
The control criteria for matrix spike recovery of Naphthalene for sample Batch QC is not applicable. The analyte concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.

No other anomalies associated with the analysis of these samples were observed.

1,4-Dioxane by EPA Method 8270C

No anomalies associated with the analysis of these samples were observed.

Approved by



Date

10/2/08

Chain of Custody Documentation



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

PAGE 1 OF 1 SR#: 10808709 COC #

CHAIN OF CUSTODY

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
CSW-WA1-028	9/4/08	0840	W5	W5	<input checked="" type="checkbox"/> Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> <input checked="" type="checkbox"/> Volatile Organics 624 <input checked="" type="checkbox"/> 8260X <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> <input type="checkbox"/> Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen <input type="checkbox"/> Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> <input type="checkbox"/> PCB's <input type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> <input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> <input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> <input type="checkbox"/> Metals, Total or Dissolved (See list below) <input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> <input type="checkbox"/> pH, Cond., Cl, SO 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 <input type="checkbox"/> 506 <input type="checkbox"/> 1,4 Dioxane by P2705im	
TRIP BLANK				W1		

REPORT REQUIREMENTS

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

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: BILG WRENCH

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

X Standard (10-15 working days)

Provide FAX Results _____

Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

1,4 Dioxane - send O.S. style report (inv 1)

RELINQUISHED BY:

Signature: Charles M. Peck Date/Time: 9/4/08 1400

Printed Name: Charles M. Peck Firm: Peck Consulting

RECEIVED BY:

Signature: Theresa Smith Date/Time: 9/10/08 0930

Printed Name: Theresa Smith Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

**Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form**

PC Shiga

Client / Project: ECS Service Request K08 08909
 Received: 9/10/08 Opened: 9/10/08 By: TShah

1. Samples were received via? US Mail Fed Ex UPS DHL GH GS PDX Courier Hand Delivered
2. Samples were received in: (circle) Cooler Box Envelope Other NA
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
 If present, were custody seals intact? Y N If present, were they signed and dated? Y N
4. Is shipper's air-bill filed? If not, record air-bill number: _____ NA Y N
5. Temperature of cooler(s) upon receipt (°C): 2.5
 Temperature Blank (°C): 1.6
6. If applicable, list Chain of Custody Numbers: _____
7. Packing material used. Inserts Baggies Bubble Wrap Gel Packs Wet Ice Sleeves Other _____
8. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
9. **Did all bottles arrive in good condition (unbroken)?** *Indicate in the table below.* NA Y N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
11. Did all sample labels and tags agree with custody papers? *Indicate in the table below* NA Y N
12. **Were appropriate bottles/containers and volumes received for the tests indicated?** NA Y N
13. Were the pH-preserved bottles tested* received at the appropriate pH? *Indicate in the table below* NA Y N
14. Were VOA vials and 1631 Mercury bottles received without headspace? *Indicate in the table below.* NA Y N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** NA Y N
16. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broken	pH	Reagent	Volume added	Reagent Lot Number	Initials

*Does not include all pH preserved sample aliquots received. See sample receiving SOP (SMO-GEN).

Additional Notes, Discrepancies, & Resolutions: _____

**Volatile Organic Compounds
EPA Method 8260B**

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-028
Lab Code: K0808709-001
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Vinyl Chloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromomethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Trichlorofluoromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Acetone	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloroethene	1.4		0.50	1	09/22/08	09/22/08	KWG0809796	
Carbon Disulfide	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Methylene Chloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
trans-1,2-Dichloroethene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Butanone (MEK)	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
2,2-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
cis-1,2-Dichloroethene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloroform	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromochloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Carbon Tetrachloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Benzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Trichloroethene (TCE)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromodichloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Dibromomethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Hexanone	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
cis-1,3-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Toluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
trans-1,3-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,2-Trichloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
1,3-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-028
Lab Code: K0808709-001
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Dibromochloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Ethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
m,p-Xylenes	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
o-Xylene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Styrene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromoform	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Isopropylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,3-Trichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
n-Propylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Chlorotoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Chlorotoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3,5-Trimethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
tert-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,4-Trimethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
sec-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Isopropyltoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,4-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
n-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	09/22/08	09/22/08	KWG0809796	
1,2,4-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,3-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Naphthalene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Hexachlorobutadiene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3,5-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-028
Lab Code: K0808709-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	09/22/08	Acceptable
Toluene-d8	102	80-128	09/22/08	Acceptable
4-Bromofluorobenzene	102	75-117	09/22/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

Volatile Organic Compounds

Sample Name: CSW-Duplicate
Lab Code: K0808709-002
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Vinyl Chloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromomethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Trichlorofluoromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Acetone	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloroethene	1.4		0.50	1	09/22/08	09/22/08	KWG0809796	
Carbon Disulfide	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Methylene Chloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
trans-1,2-Dichloroethene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Butanone (MEK)	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
2,2-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
cis-1,2-Dichloroethene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloroform	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromochloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Carbon Tetrachloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Benzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Trichloroethene (TCE)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromodichloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Dibromomethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Hexanone	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
cis-1,3-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Toluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
trans-1,3-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,2-Trichloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
1,3-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

Volatile Organic Compounds

Sample Name: CSW-Duplicate
Lab Code: K0808709-002
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Dibromochloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Ethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
m,p-Xylenes	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
o-Xylene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Styrene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromoform	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Isopropylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,3-Trichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
n-Propylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Chlorotoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Chlorotoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3,5-Trimethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
tert-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,4-Trimethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
sec-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Isopropyltoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,4-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
n-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	09/22/08	09/22/08	KWG0809796	
1,2,4-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,3-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Naphthalene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Hexachlorobutadiene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3,5-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

Volatile Organic Compounds

Sample Name: CSW-Duplicate
Lab Code: K0808709-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	09/22/08	Acceptable
Toluene-d8	102	80-128	09/22/08	Acceptable
4-Bromofluorobenzene	98	75-117	09/22/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0808709-003
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Vinyl Chloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromomethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Trichlorofluoromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Acetone	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloroethene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Carbon Disulfide	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Methylene Chloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
trans-1,2-Dichloroethene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Butanone (MEK)	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
2,2-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
cis-1,2-Dichloroethene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloroform	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromochloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Carbon Tetrachloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Benzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Trichloroethene (TCE)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromodichloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Dibromomethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Hexanone	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
cis-1,3-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Toluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
trans-1,3-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,2-Trichloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
1,3-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0808709-003
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Dibromochloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Ethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
m,p-Xylenes	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
o-Xylene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Styrene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromoform	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Isopropylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,3-Trichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
n-Propylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Chlorotoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Chlorotoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3,5-Trimethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
tert-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,4-Trimethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
sec-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Isopropyltoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,4-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
n-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	09/22/08	09/22/08	KWG0809796	
1,2,4-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,3-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Naphthalene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	*
Hexachlorobutadiene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3,5-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0808709-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	75-120	09/22/08	Acceptable
Toluene-d8	101	80-128	09/22/08	Acceptable
4-Bromofluorobenzene	100	75-117	09/22/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0809796-4
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Vinyl Chloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromomethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Trichlorofluoromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Acetone	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloroethene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Carbon Disulfide	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Methylene Chloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
trans-1,2-Dichloroethene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Butanone (MEK)	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
2,2-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
cis-1,2-Dichloroethene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chloroform	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromochloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Carbon Tetrachloride	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Benzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Trichloroethene (TCE)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromodichloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Dibromomethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Hexanone	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
cis-1,3-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Toluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
trans-1,3-Dichloropropene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,2-Trichloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	09/22/08	09/22/08	KWG0809796	
1,3-Dichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0809796-4
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Dibromochloromethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Chlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Ethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
m,p-Xylenes	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
o-Xylene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Styrene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromoform	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Isopropylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,3-Trichloropropane	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Bromobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
n-Propylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
2-Chlorotoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Chlorotoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3,5-Trimethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
tert-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,4-Trimethylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
sec-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
4-Isopropyltoluene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,4-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
n-Butylbenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	09/22/08	09/22/08	KWG0809796	
1,2,4-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,2,3-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
Naphthalene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	*
Hexachlorobutadiene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	
1,3,5-Trichlorobenzene	ND	U	0.50	1	09/22/08	09/22/08	KWG0809796	

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0809796-4

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	93	75-120	09/22/08	Acceptable
Toluene-d8	101	80-128	09/22/08	Acceptable
4-Bromofluorobenzene	100	75-117	09/22/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0809872-3

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Chloromethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Vinyl Chloride	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Bromomethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Chloroethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Trichlorofluoromethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Acetone	ND	U	20	1	09/23/08	09/23/08	KWG0809872	
1,1-Dichloroethene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Carbon Disulfide	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Methylene Chloride	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
trans-1,2-Dichloroethene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,1-Dichloroethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
2-Butanone (MEK)	ND	U	20	1	09/23/08	09/23/08	KWG0809872	
2,2-Dichloropropane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
cis-1,2-Dichloroethene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Chloroform	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Bromochloromethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,1-Dichloropropene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Carbon Tetrachloride	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Benzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Trichloroethene (TCE)	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,2-Dichloropropane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Bromodichloromethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Dibromomethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
2-Hexanone	ND	U	20	1	09/23/08	09/23/08	KWG0809872	
cis-1,3-Dichloropropene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Toluene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
trans-1,3-Dichloropropene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,1,2-Trichloroethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	09/23/08	09/23/08	KWG0809872	
1,3-Dichloropropane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
 Project: Kuhlman Electric
 Sample Matrix: Water

Service Request: K0808709
 Date Collected: NA
 Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
 Lab Code: KWG0809872-3
 Extraction Method: EPA 5030B
 Analysis Method: 8260B

Units: ug/L
 Basis: NA
 Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Dibromochloromethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Chlorobenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Ethylbenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
m,p-Xylenes	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
o-Xylene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Styrene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Bromoform	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Isopropylbenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,2,3-Trichloropropane	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Bromobenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
n-Propylbenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
2-Chlorotoluene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
4-Chlorotoluene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,3,5-Trimethylbenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
tert-Butylbenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,2,4-Trimethylbenzene	1.5		0.50	1	09/23/08	09/23/08	KWG0809872	
sec-Butylbenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,3-Dichlorobenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
4-Isopropyltoluene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,4-Dichlorobenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
n-Butylbenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,2-Dichlorobenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	09/23/08	09/23/08	KWG0809872	
1,2,4-Trichlorobenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,2,3-Trichlorobenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Naphthalene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
Hexachlorobutadiene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	
1,3,5-Trichlorobenzene	ND	U	0.50	1	09/23/08	09/23/08	KWG0809872	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0809872-3

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	84	75-120	09/23/08	Acceptable
Toluene-d8	99	80-128	09/23/08	Acceptable
4-Bromofluorobenzene	86	75-117	09/23/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709

**Surrogate Recovery Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>
CSW-WA1-028	K0808709-001	96	102	102
CSW-Duplicate	K0808709-002	96	102	98
Trip Blank	K0808709-003	97	101	100
Method Blank	KWG0809796-4	93	101	100
Method Blank	KWG0809872-3	84	99	86
Batch QC	K0808718-004	94	100	89
Batch QCMS	KWG0809796-1	98	103	99
Batch QCDMS	KWG0809796-2	100	103	99
Lab Control Sample	KWG0809796-3	99	102	100
Lab Control Sample	KWG0809872-1	85	97	88
Duplicate Lab Control Sample	KWG0809872-2	86	97	87

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	75-120
Sur2 = Toluene-d8	80-128
Sur3 = 4-Bromofluorobenzene	75-117

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Extracted: 09/22/2008
Date Analyzed: 09/22/2008

**Matrix Spike/Duplicate Matrix Spike Summary
 Volatile Organic Compounds**

Sample Name: Batch QC
Lab Code: K0808718-004
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0809796

Analyte Name	Sample Result	Batch QCMS KWG0809796-1 Matrix Spike			Batch QCDMS KWG0809796-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	ND	222	200	111	219	200	110	67-147	1	30
Benzene	34	234	200	100	231	200	98	69-126	1	30
Trichloroethene (TCE)	ND	210	200	105	209	200	105	56-137	0	30
Toluene	18	216	200	99	215	200	99	66-128	0	30
Chlorobenzene	ND	196	200	98	192	200	96	68-120	2	30
1,2-Dichlorobenzene	ND	196	200	98	189	200	94	67-116	4	30
Naphthalene	440	437	200	-2 *	470	200	14 *	61-137	7	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Extracted: 09/22/2008
Date Analyzed: 09/22/2008

**Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0809796

Lab Control Sample
 KWG0809796-3
 Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
Dichlorodifluoromethane	10.2	10.0	102	21-156
Chloromethane	9.98	10.0	100	45-135
Vinyl Chloride	10.2	10.0	102	59-135
Bromomethane	14.0	10.0	140	24-144
Chloroethane	9.87	10.0	99	60-128
Trichlorofluoromethane	9.97	10.0	100	54-129
Acetone	44.1	50.0	88	53-129
1,1-Dichloroethene	10.7	10.0	107	70-136
Carbon Disulfide	18.7	20.0	93	64-129
Methylene Chloride	10.1	10.0	101	64-137
trans-1,2-Dichloroethene	10.0	10.0	100	70-121
1,1-Dichloroethane	10.2	10.0	102	72-122
2-Butanone (MEK)	42.7	50.0	85	56-137
2,2-Dichloropropane	11.0	10.0	110	48-133
cis-1,2-Dichloroethene	9.68	10.0	97	76-125
Chloroform	9.83	10.0	98	71-118
Bromochloromethane	9.83	10.0	98	72-123
1,1,1-Trichloroethane (TCA)	10.5	10.0	105	65-126
1,1-Dichloropropene	10.2	10.0	102	71-119
Carbon Tetrachloride	9.86	10.0	99	58-133
1,2-Dichloroethane (EDC)	10.2	10.0	102	69-125
Benzene	9.71	10.0	97	74-118
Trichloroethene (TCE)	10.1	10.0	101	71-122
1,2-Dichloropropane	9.69	10.0	97	73-123
Bromodichloromethane	9.65	10.0	97	72-127
Dibromomethane	9.36	10.0	94	71-124
2-Hexanone	41.4	50.0	83	44-135
cis-1,3-Dichloropropene	9.26	10.0	93	71-125
Toluene	9.61	10.0	96	74-117
trans-1,3-Dichloropropene	8.13	10.0	81	56-121
1,1,2-Trichloroethane	9.19	10.0	92	73-122
4-Methyl-2-pentanone (MIBK)	42.8	50.0	86	57-129
1,3-Dichloropropane	9.25	10.0	93	74-120
Tetrachloroethene (PCE)	9.93	10.0	99	65-121
Dibromochloromethane	8.53	10.0	85	67-124

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Extracted: 09/22/2008
Date Analyzed: 09/22/2008

**Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0809796

Lab Control Sample
 KWG0809796-3
 Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	8.79	10.0	88	71-120
Chlorobenzene	9.65	10.0	97	74-115
1,1,1,2-Tetrachloroethane	9.02	10.0	90	71-118
Ethylbenzene	9.58	10.0	96	71-118
m,p-Xylenes	19.4	20.0	97	73-119
o-Xylene	9.76	10.0	98	74-120
Styrene	9.31	10.0	93	75-123
Bromoform	7.68	10.0	77	57-135
Isopropylbenzene	9.11	10.0	91	65-110
1,1,2,2-Tetrachloroethane	9.16	10.0	92	63-126
1,2,3-Trichloropropane	9.48	10.0	95	67-123
Bromobenzene	9.41	10.0	94	76-111
n-Propylbenzene	10.1	10.0	101	69-122
2-Chlorotoluene	10.2	10.0	102	72-120
4-Chlorotoluene	9.89	10.0	99	70-118
1,3,5-Trimethylbenzene	9.67	10.0	97	70-120
tert-Butylbenzene	10.2	10.0	102	72-118
1,2,4-Trimethylbenzene	9.37	10.0	94	72-121
sec-Butylbenzene	10.3	10.0	103	73-130
1,3-Dichlorobenzene	9.62	10.0	96	76-110
4-Isopropyltoluene	9.51	10.0	95	67-115
1,4-Dichlorobenzene	9.41	10.0	94	74-112
n-Butylbenzene	9.07	10.0	91	62-123
1,2-Dichlorobenzene	9.42	10.0	94	75-110
1,2-Dibromo-3-chloropropane	7.54	10.0	75	49-124
1,2,4-Trichlorobenzene	8.50	10.0	85	66-115
1,2,3-Trichlorobenzene	8.38	10.0	84	64-120
Naphthalene	7.20	10.0	72	58-132
Hexachlorobutadiene	10.2	10.0	102	61-124
1,3,5-Trichlorobenzene	37.1	40.0	93	46-133

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Extracted: 09/23/2008
Date Analyzed: 09/23/2008

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0809872

Analyte Name	Lab Control Sample KWG0809872-1 Lab Control Spike			Duplicate Lab Control Sample KWG0809872-2 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Dichlorodifluoromethane	8.76	10.0	88	7.35	10.0	74	21-156	18	30
Chloromethane	8.19	10.0	82	7.63	10.0	76	45-135	7	30
Vinyl Chloride	9.12	10.0	91	8.28	10.0	83	59-135	10	30
Bromomethane	8.31	10.0	83	8.20	10.0	82	24-144	1	30
Chloroethane	9.31	10.0	93	8.67	10.0	87	60-128	7	30
Trichlorofluoromethane	8.59	10.0	86	7.96	10.0	80	54-129	8	30
Acetone	35.0	50.0	70	35.4	50.0	71	53-129	1	30
1,1-Dichloroethene	9.91	10.0	99	9.26	10.0	93	70-136	7	30
Carbon Disulfide	16.7	20.0	84	15.5	20.0	77	64-129	8	30
Methylene Chloride	8.88	10.0	89	8.64	10.0	86	64-137	3	30
trans-1,2-Dichloroethene	9.18	10.0	92	8.58	10.0	86	70-121	7	30
1,1-Dichloroethane	8.53	10.0	85	8.06	10.0	81	72-122	6	30
2-Butanone (MEK)	38.7	50.0	77	39.2	50.0	78	56-137	1	30
2,2-Dichloropropane	7.77	10.0	78	7.48	10.0	75	48-133	4	30
cis-1,2-Dichloroethene	8.89	10.0	89	8.49	10.0	85	76-125	5	30
Chloroform	8.64	10.0	86	8.36	10.0	84	71-118	3	30
Bromochloromethane	9.19	10.0	92	8.76	10.0	88	72-123	5	30
1,1,1-Trichloroethane (TCA)	8.29	10.0	83	7.90	10.0	79	65-126	5	30
1,1-Dichloropropene	8.83	10.0	88	8.33	10.0	83	71-119	6	30
Carbon Tetrachloride	8.17	10.0	82	7.79	10.0	78	58-133	5	30
1,2-Dichloroethane (EDC)	8.02	10.0	80	7.70	10.0	77	69-125	4	30
Benzene	8.89	10.0	89	8.45	10.0	85	74-118	5	30
Trichloroethene (TCE)	8.83	10.0	88	8.21	10.0	82	71-122	7	30
1,2-Dichloropropane	8.29	10.0	83	8.07	10.0	81	73-123	3	30
Bromodichloromethane	8.01	10.0	80	7.88	10.0	79	72-127	2	30
Dibromomethane	8.06	10.0	81	8.08	10.0	81	71-124	0	30
2-Hexanone	40.2	50.0	80	39.0	50.0	78	44-135	3	30
cis-1,3-Dichloropropene	7.91	10.0	79	7.74	10.0	77	71-125	2	30
Toluene	8.92	10.0	89	8.55	10.0	86	74-117	4	30
trans-1,3-Dichloropropene	7.63	10.0	76	7.52	10.0	75	56-121	1	30
1,1,2-Trichloroethane	9.54	10.0	95	9.11	10.0	91	73-122	5	30
4-Methyl-2-pentanone (MIBK)	37.7	50.0	75	37.6	50.0	75	57-129	0	30
1,3-Dichloropropane	9.44	10.0	94	9.40	10.0	94	74-120	0	30
Tetrachloroethene (PCE)	11.2	10.0	112	10.7	10.0	107	65-121	4	30
Dibromochloromethane	8.93	10.0	89	8.67	10.0	87	67-124	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Extracted: 09/23/2008
Date Analyzed: 09/23/2008

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0809872

Analyte Name	Lab Control Sample KWG0809872-1 Lab Control Spike			Duplicate Lab Control Sample KWG0809872-2 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
1,2-Dibromoethane (EDB)	9.47	10.0	95	9.35	10.0	94	71-120	1	30
Chlorobenzene	10.4	10.0	104	10.1	10.0	101	74-115	2	30
1,1,1,2-Tetrachloroethane	9.12	10.0	91	8.92	10.0	89	71-118	2	30
Ethylbenzene	10.5	10.0	105	10.0	10.0	100	71-118	4	30
m,p-Xylenes	21.6	20.0	108	20.8	20.0	104	73-119	4	30
o-Xylene	10.6	10.0	106	10.3	10.0	103	74-120	3	30
Styrene	10.1	10.0	101	9.73	10.0	97	75-123	3	30
Bromoform	8.64	10.0	86	8.52	10.0	85	57-135	1	30
Isopropylbenzene	9.78	10.0	98	9.41	10.0	94	65-110	4	30
1,1,2,2-Tetrachloroethane	8.97	10.0	90	8.87	10.0	89	63-126	1	30
1,2,3-Trichloropropane	8.50	10.0	85	8.66	10.0	87	67-123	2	30
Bromobenzene	9.48	10.0	95	9.49	10.0	95	76-111	0	30
n-Propylbenzene	9.90	10.0	99	9.58	10.0	96	69-122	3	30
2-Chlorotoluene	9.62	10.0	96	9.41	10.0	94	72-120	2	30
4-Chlorotoluene	9.38	10.0	94	9.17	10.0	92	70-118	2	30
1,3,5-Trimethylbenzene	9.57	10.0	96	9.32	10.0	93	70-120	3	30
tert-Butylbenzene	9.92	10.0	99	9.62	10.0	96	72-118	3	30
1,2,4-Trimethylbenzene	9.34	10.0	93	9.10	10.0	91	72-121	3	30
sec-Butylbenzene	9.79	10.0	98	9.50	10.0	95	73-130	3	30
1,3-Dichlorobenzene	9.86	10.0	99	9.75	10.0	98	76-110	1	30
4-Isopropyltoluene	9.36	10.0	94	9.11	10.0	91	67-115	3	30
1,4-Dichlorobenzene	9.78	10.0	98	9.57	10.0	96	74-112	2	30
n-Butylbenzene	8.91	10.0	89	8.83	10.0	88	62-123	1	30
1,2-Dichlorobenzene	9.83	10.0	98	9.63	10.0	96	75-110	2	30
1,2-Dibromo-3-chloropropane	8.04	10.0	80	8.74	10.0	87	49-124	8	30
1,2,4-Trichlorobenzene	9.16	10.0	92	9.19	10.0	92	66-115	0	30
1,2,3-Trichlorobenzene	9.40	10.0	94	9.45	10.0	95	64-120	1	30
Naphthalene	8.17	10.0	82	8.56	10.0	86	58-132	5	30
Hexachlorobutadiene	9.50	10.0	95	9.43	10.0	94	61-124	1	30
1,3,5-Trichlorobenzene	38.6	40.0	97	39.9	40.0	100	46-133	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

1,4-Dioxane by GC/MS

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

1,4-Dioxane by GC/MS

Sample Name: CSW-WA1-028
Lab Code: K0808709-001
Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	0.91	0.50	1	09/12/08	09/29/08	KWG0809256	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	82	55-100	09/29/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: 09/09/2008
Date Received: 09/10/2008

1,4-Dioxane by GC/MS

Sample Name: CSW-Duplicate
Lab Code: K0808709-002
Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	0.91	0.50	1	09/12/08	09/29/08	KWG0809256	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	81	55-100	09/29/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Collected: NA
Date Received: NA

1,4-Dioxane by GC/MS

Sample Name: Method Blank
Lab Code: KWG0809256-6
Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	ND	U	0.50	1	09/12/08	09/29/08	KWG0809256	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	89	55-100	09/29/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709

Surrogate Recovery Summary
1,4-Dioxane by GC/MS

Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
CSW-WA1-028	K0808709-001	82
CSW-Duplicate	K0808709-002	81
Method Blank	KWG0809256-6	89
CSW-WA1-028MS	KWG0809256-3	86
CSW-WA1-028DMS	KWG0809256-4	86
Lab Control Sample	KWG0809256-5	84

Surrogate Recovery Control Limits (%)

Sur1 = 1,4-Dioxane-d8 55-100

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Extracted: 09/12/2008
Date Analyzed: 09/29/2008

**Matrix Spike/Duplicate Matrix Spike Summary
 1,4-Dioxane by GC/MS**

Sample Name: CSW-WA1-028
Lab Code: K0808709-001
Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0809256

Analyte Name	Sample Result	CSW-WA1-028MS KWG0809256-3 Matrix Spike			CSW-WA1-028DMS KWG0809256-4 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,4-Dioxane	0.91	21.2	25.0	81	20.6	25.0	79	53-105	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0808709
Date Extracted: 09/12/2008
Date Analyzed: 09/29/2008

Lab Control Spike Summary
1,4-Dioxane by GC/MS

Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0809256

Analyte Name	Lab Control Sample KWG0809256-5 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
1,4-Dioxane	19.9	25.0	80	56-107

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.