

October 16, 2008

Analytical Report for Service Request No: K0806268

Richard Johnson
Environmental Chemistry Consulting Services, Inc.
2525 Advance Rd.
Madison, WI 53718

RE: Kuhlman Electric

Dear Richard:

Enclosed are the revised pages for the samples submitted to our laboratory on July 10, 2008. For your reference, these analyses have been assigned our service request number K0806268.

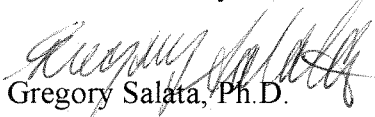
The data has been reported to the MRL.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. 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

Page 1 of _____

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.: K0806268
Project: Kuhlman Electric Date Received: 07/10/08
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 Control Sample (LCS).

Sample Receipt

Three water samples were received for analysis at Columbia Analytical Services on 07/10/08. 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 Exceptions:

The primary evaluation criterion was exceeded for the following analytes in Initial Calibration (ICAL) ID 7495: Dibromochloromethane, Bromoform and 1,2-Dibromo-3-chloropropane. 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 10.4%. 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.

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



**Chain of Custody
Documentation**

CHAIN OF CUSTODY

PROJECT NAME: KAHLMAN ELECTRIC

PROJECT NUMBER: 1000014

PROJECT MANAGER: ROBERT MATHEW

COMPANY/ADDRESS: MATHEW & SONS

CITY/STATE/ZIP: BLAKE WASHINGTON WA

EMAIL ADDRESS: W.C.

PHONE #: FAX:

SAMPLER'S SIGNATURE: [Signature]

SAMPLE ID.	DATE	TIME	LAB I.D.	MATRIX
<u>CSU-WM-026</u>	<u>7/8/08</u>	<u>0735</u>	<u>W 6</u>	<u>W 6</u>
<u>Duplicate</u>	<u>7/8/08</u>	<u>—</u>	<u>W 5</u>	<u>W 5</u>
<u>TRIP BLANK</u>	<u>—</u>	<u>—</u>	<u>W 2</u>	<u>W 2</u>

[Signature]

NUMBER OF CONTAINERS	REMARKS
Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	
Volatile Organics 624 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/>	
Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> BTEX <input type="checkbox"/>	
<input type="checkbox"/> Fuel Fingerprint (FIQ)	
<input type="checkbox"/> NW-HCID Screen	
Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>	
Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
Metals, Total or Dissolved (See list below)	
Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	
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 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
<u>1,4 Dioxane by F270 SIM</u>	

REPORT REQUIREMENTS	INVOICE INFORMATION	SPECIAL INSTRUCTIONS/COMMENTS:
<ul style="list-style-type: none"> <input type="checkbox"/> I. Routine Report; Method Blank, Surrogate, as required <input checked="" type="checkbox"/> II. Report Dup., MS, MSD as required <input type="checkbox"/> III. Data Validation Report (includes all raw data) <input type="checkbox"/> IV. CLP Deliverable Report <input type="checkbox"/> V. EDD 	P.O. # <u> </u> Bill To: <u>BOL WATKIN</u> TURNAROUND REQUIREMENTS 24 hr. <u> </u> 48 hr. <u> </u> <input checked="" type="checkbox"/> 5 Day Standard (10-15 working days) <input type="checkbox"/> Provide FAX Results Requested Report Date <u> </u>	Circle which metals are to be analyzed: Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: <u> </u> (CIRCLE ONE) SPECIAL INSTRUCTIONS/COMMENTS: <u>SCOB list - Kahlman list</u> <u>1,4 Dioxane - need 0.5 gal report limit</u>

<p>RELINQUISHED BY:</p> <p>Signature: <u>[Signature]</u> Date/Time: <u>7-9-08 14:00</u></p> <p>Printed Name: <u>Robert Mathew</u> Firm: <u>MatheW & Sons</u></p>	<p>RECEIVED BY:</p> <p>Signature: <u>[Signature]</u> Date/Time: <u>7/10/08 0930</u></p> <p>Printed Name: <u>[Name]</u> Firm: <u>[Firm]</u></p>
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Cooler Receipt and Preservation Form

recovery

Client / Project: Kuhlman Electric Service Request K08 6268

Received: 7/10/08 Opened: 7/10/08 By: KS

1. Samples were received via? US Mail Fed Ex UPS DHL GH GS PDN 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): -1.9C
 Temperature Blank (°C): 1.9C
6. If applicable, list Chain of Custody Numbers: _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Packing material used. Inserts Baggies Bubble Wrap Gel Packs Wet Ice Sleeves Other _____
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.)? Y N
11. Did all sample labels and tags agree with custody papers? *Indicate in the table below* 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: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-026
Lab Code: K0806268-001
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	07/15/08	07/15/08	KWG0806766	
Chloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Vinyl Chloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromomethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Trichlorofluoromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Acetone	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloroethene	1.2		0.50	1	07/15/08	07/15/08	KWG0806766	
Carbon Disulfide	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Methylene Chloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
trans-1,2-Dichloroethene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Butanone (MEK)	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
2,2-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
cis-1,2-Dichloroethene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chloroform	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromochloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Carbon Tetrachloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Benzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Trichloroethene (TCE)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromodichloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Dibromomethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Hexanone	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
cis-1,3-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Toluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
trans-1,3-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,2-Trichloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
1,3-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-026
Lab Code: K0806268-001
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	07/15/08	07/15/08	KWG0806766	
Dibromochloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Ethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
m,p-Xylenes	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
o-Xylene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Styrene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromoform	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Isopropylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,3-Trichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
n-Propylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Chlorotoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Chlorotoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3,5-Trimethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
tert-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,4-Trimethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
sec-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Isopropyltoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,4-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
n-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	07/15/08	07/15/08	KWG0806766	
1,2,4-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,3-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Naphthalene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Hexachlorobutadiene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3,5-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-026
Lab Code: K0806268-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	07/15/08	Acceptable
Toluene-d8	109	80-128	07/15/08	Acceptable
4-Bromofluorobenzene	102	75-117	07/15/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

Volatile Organic Compounds

Sample Name: Duplicate
Lab Code: K0806268-002
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	07/15/08	07/15/08	KWG0806766	
Chloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Vinyl Chloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromomethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Trichlorofluoromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Acetone	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloroethene	1.5		0.50	1	07/15/08	07/15/08	KWG0806766	
Carbon Disulfide	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Methylene Chloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
trans-1,2-Dichloroethene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Butanone (MEK)	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
2,2-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
cis-1,2-Dichloroethene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chloroform	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromochloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Carbon Tetrachloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Benzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Trichloroethene (TCE)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromodichloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Dibromomethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Hexanone	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
cis-1,3-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Toluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
trans-1,3-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,2-Trichloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
1,3-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

Volatile Organic Compounds

Sample Name: Duplicate
Lab Code: K0806268-002
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	07/15/08	07/15/08	KWG0806766	
Dibromochloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Ethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
m,p-Xylenes	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
o-Xylene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Styrene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromoform	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Isopropylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,3-Trichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
n-Propylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Chlorotoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Chlorotoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3,5-Trimethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
tert-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,4-Trimethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
sec-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Isopropyltoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,4-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
n-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	07/15/08	07/15/08	KWG0806766	
1,2,4-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,3-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Naphthalene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Hexachlorobutadiene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3,5-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

Volatile Organic Compounds

Sample Name: Duplicate
Lab Code: K0806268-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	07/15/08	Acceptable
Toluene-d8	109	80-128	07/15/08	Acceptable
4-Bromofluorobenzene	99	75-117	07/15/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0806268-003
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	07/15/08	07/15/08	KWG0806766	
Chloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Vinyl Chloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromomethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Trichlorofluoromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Acetone	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloroethene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Carbon Disulfide	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Methylene Chloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
trans-1,2-Dichloroethene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Butanone (MEK)	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
2,2-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
cis-1,2-Dichloroethene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chloroform	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromochloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Carbon Tetrachloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Benzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Trichloroethene (TCE)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromodichloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Dibromomethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Hexanone	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
cis-1,3-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Toluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
trans-1,3-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,2-Trichloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
1,3-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0806268-003
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	07/15/08	07/15/08	KWG0806766	
Dibromochloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Ethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
m,p-Xylenes	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
o-Xylene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Styrene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromoform	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Isopropylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,3-Trichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
n-Propylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Chlorotoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Chlorotoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3,5-Trimethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
tert-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,4-Trimethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
sec-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Isopropyltoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,4-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
n-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	07/15/08	07/15/08	KWG0806766	
1,2,4-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,3-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Naphthalene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Hexachlorobutadiene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3,5-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0806268-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	95	75-120	07/15/08	Acceptable
Toluene-d8	107	80-128	07/15/08	Acceptable
4-Bromofluorobenzene	98	75-117	07/15/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0806766-4
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	07/15/08	07/15/08	KWG0806766	
Chloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Vinyl Chloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromomethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Trichlorofluoromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Acetone	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloroethene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Carbon Disulfide	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Methylene Chloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
trans-1,2-Dichloroethene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Butanone (MEK)	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
2,2-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
cis-1,2-Dichloroethene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chloroform	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromochloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Carbon Tetrachloride	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Benzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Trichloroethene (TCE)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromodichloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Dibromomethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Hexanone	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
cis-1,3-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Toluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
trans-1,3-Dichloropropene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,2-Trichloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	07/15/08	07/15/08	KWG0806766	
1,3-Dichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0806766-4
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	07/15/08	07/15/08	KWG0806766	
Dibromochloromethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Chlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Ethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
m,p-Xylenes	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
o-Xylene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Styrene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromoform	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Isopropylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,3-Trichloropropane	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Bromobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
n-Propylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
2-Chlorotoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Chlorotoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3,5-Trimethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
tert-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,4-Trimethylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
sec-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
4-Isopropyltoluene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,4-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
n-Butylbenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	07/15/08	07/15/08	KWG0806766	
1,2,4-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,2,3-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Naphthalene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
Hexachlorobutadiene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	
1,3,5-Trichlorobenzene	ND	U	0.50	1	07/15/08	07/15/08	KWG0806766	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0806766-4

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	94	75-120	07/15/08	Acceptable
Toluene-d8	107	80-128	07/15/08	Acceptable
4-Bromofluorobenzene	100	75-117	07/15/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0806268

**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-WA1-026	K0806268-001	96	109	102
Duplicate	K0806268-002	96	109	99
Trip Blank	K0806268-003	95	107	98
Method Blank	KWG0806766-4	94	107	100
Batch QC	K0806150-003	94	106	98
Batch QCMS	KWG0806766-1	99	108	101
Batch QCDMS	KWG0806766-2	100	107	103
Lab Control Sample	KWG0806766-3	98	106	102

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: K0806268
Date Extracted: 07/15/2008
Date Analyzed: 07/15/2008

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

Sample Name: Batch QC
Lab Code: K0806150-003
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0806766

Analyte Name	Sample Result	Batch QCMS KWG0806766-1 Matrix Spike			Batch QCDMS KWG0806766-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	ND	13.3	10.0	133	13.0	10.0	130	67-147	2	30
Benzene	ND	11.5	10.0	115	11.5	10.0	115	69-126	0	30
Trichloroethene (TCE)	ND	12.2	10.0	122	12.1	10.0	121	56-137	1	30
Toluene	ND	11.5	10.0	115	11.7	10.0	117	66-128	1	30
Chlorobenzene	ND	10.8	10.0	108	10.9	10.0	109	68-120	1	30
1,2-Dichlorobenzene	ND	10.4	10.0	104	10.5	10.0	105	67-116	0	30
Naphthalene	ND	11.2	10.0	112	11.9	10.0	119	61-137	6	30

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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: K0806268
Date Extracted: 07/15/2008
Date Analyzed: 07/15/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0806766

Lab Control Sample
KWG0806766-3
Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
Dichlorodifluoromethane	7.33	10.0	73	21-156
Chloromethane	8.07	10.0	81	45-135
Vinyl Chloride	9.23	10.0	92	59-135
Bromomethane	6.22	10.0	62	24-144
Chloroethane	9.64	10.0	96	60-128
Trichlorofluoromethane	9.78	10.0	98	54-129
Acetone	45.6	50.0	91	53-129
1,1-Dichloroethene	11.0	10.0	110	70-136
Carbon Disulfide	20.7	20.0	103	64-129
Methylene Chloride	11.0	10.0	110	64-137
trans-1,2-Dichloroethene	10.8	10.0	108	70-121
1,1-Dichloroethane	10.5	10.0	105	72-122
2-Butanone (MEK)	48.2	50.0	96	56-137
2,2-Dichloropropane	11.0	10.0	110	48-133
cis-1,2-Dichloroethene	11.0	10.0	110	76-125
Chloroform	11.2	10.0	112	71-118
Bromochloromethane	10.9	10.0	109	72-123
1,1,1-Trichloroethane (TCA)	10.8	10.0	108	65-126
1,1-Dichloropropene	10.2	10.0	102	71-119
Carbon Tetrachloride	10.7	10.0	107	58-133
1,2-Dichloroethane (EDC)	10.5	10.0	105	69-125
Benzene	10.1	10.0	101	74-118
Trichloroethene (TCE)	10.3	10.0	103	71-122
1,2-Dichloropropane	10.9	10.0	109	73-123
Bromodichloromethane	11.3	10.0	113	72-127
Dibromomethane	11.2	10.0	112	71-124
2-Hexanone	45.9	50.0	92	44-135
cis-1,3-Dichloropropene	11.1	10.0	111	71-125
Toluene	10.1	10.0	101	74-117
trans-1,3-Dichloropropene	10.2	10.0	102	56-121
1,1,2-Trichloroethane	10.2	10.0	102	73-122
4-Methyl-2-pentanone (MIBK)	50.1	50.0	100	57-129
1,3-Dichloropropane	10.2	10.0	102	74-120
Tetrachloroethene (PCE)	9.80	10.0	98	65-121
Dibromochloromethane	10.2	10.0	102	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: K0806268
Date Extracted: 07/15/2008
Date Analyzed: 07/15/2008

**Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0806766

Lab Control Sample
 KWG0806766-3
 Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	10.7	10.0	107	71-120
Chlorobenzene	10.0	10.0	100	74-115
1,1,1,2-Tetrachloroethane	10.3	10.0	103	71-118
Ethylbenzene	9.49	10.0	95	71-118
m,p-Xylenes	19.5	20.0	98	73-119
o-Xylene	10.1	10.0	101	74-120
Styrene	10.6	10.0	106	75-123
Bromoform	9.60	10.0	96	57-135
Isopropylbenzene	9.06	10.0	91	65-110
1,1,2,2-Tetrachloroethane	9.65	10.0	97	63-126
1,2,3-Trichloropropane	9.76	10.0	98	67-123
Bromobenzene	9.32	10.0	93	76-111
n-Propylbenzene	9.46	10.0	95	69-122
2-Chlorotoluene	9.98	10.0	100	72-120
4-Chlorotoluene	9.84	10.0	98	70-118
1,3,5-Trimethylbenzene	9.49	10.0	95	70-120
tert-Butylbenzene	9.62	10.0	96	72-118
1,2,4-Trimethylbenzene	9.54	10.0	95	72-121
sec-Butylbenzene	9.38	10.0	94	73-130
1,3-Dichlorobenzene	9.77	10.0	98	76-110
4-Isopropyltoluene	9.54	10.0	95	67-115
1,4-Dichlorobenzene	9.59	10.0	96	74-112
n-Butylbenzene	9.70	10.0	97	62-123
1,2-Dichlorobenzene	9.94	10.0	99	75-110
1,2-Dibromo-3-chloropropane	9.57	10.0	96	49-124
1,2,4-Trichlorobenzene	9.57	10.0	96	66-115
1,2,3-Trichlorobenzene	9.59	10.0	96	64-120
Naphthalene	10.9	10.0	109	58-132
Hexachlorobutadiene	9.62	10.0	96	61-124
1,3,5-Trichlorobenzene	42.9	40.0	107	46-133

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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: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

1,4-Dioxane by GC/MS

Sample Name: CSW-WA1-026
Lab Code: K0806268-001
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	0.94		0.50	1	07/14/08	07/22/08	KWG0806698	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	74	55-100	07/22/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: 07/08/2008
Date Received: 07/10/2008

1,4-Dioxane by GC/MS

Sample Name: Duplicate
Lab Code: K0806268-002
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	0.99		0.50	1	07/14/08	07/22/08	KWG0806698	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	77	55-100	07/22/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0806268
Date Collected: NA
Date Received: NA

1,4-Dioxane by GC/MS

Sample Name: Method Blank
Lab Code: KWG0806698-4
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	07/14/08	07/22/08	KWG0806698	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	76	55-100	07/22/08	Acceptable

Comments: _____

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

Service Request: K0806268

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-WA1-026	K0806268-001	74
Duplicate	K0806268-002	77
Method Blank	KWG0806698-4	76
CSW-WA1-026MS	KWG0806698-1	80
CSW-WA1-026DMS	KWG0806698-2	71
Lab Control Sample	KWG0806698-3	75

Surrogate Recovery Control Limits (%)

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

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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: K0806268
Date Extracted: 07/14/2008
Date Analyzed: 07/22/2008

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

Sample Name: CSW-WA1-026
Lab Code: K0806268-001
Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0806698

Analyte Name	Sample Result	CSW-WA1-026MS KWG0806698-1 Matrix Spike			CSW-WA1-026DMS KWG0806698-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,4-Dioxane	0.94	20.3	25.0	77	18.1	25.0	69	53-105	11	30

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

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0806268
Date Extracted: 07/14/2008
Date Analyzed: 07/22/2008

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: KWG0806698

Lab Control Sample
 KWG0806698-3
 Lab Control Spike

Analyte Name	Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
1,4-Dioxane	18.4	25.0	73	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.