

May 28, 2008

Analytical Report for Service Request No: K0803953

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

RE: Kuhlman Electric

Dear Richard:

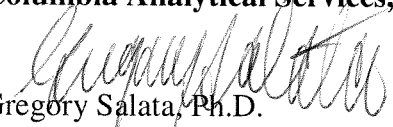
Enclosed are the results of the samples submitted to our laboratory on May 08, 2008. For your reference, these analyses have been assigned our service request number K0803953.

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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cc: Chris Slagle, Martin and Slagle

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.

11/27/2018
 Kelso, WA
 2018-2019

**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.:** K0803953
Project: Kuhlman Electric **Date Received:** 05/08/08
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 05/08/08. 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 Bromomethane and Methylene Chloride in ICAL ID 7334. 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 7.3%. 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.

Continuing Calibration Verification Exceptions:

The CAS minimum relative response factor criterion for Bromomethane was not met in CCV J:\MS04\0514F003.D. In accordance with CAS standard operating procedures, a Method Reporting Limit (MRL) check standard containing the analyte of concern was analyzed each day of analysis. The MRL check standard verifies instrument sensitivity was adequate to detect the analyte at the MRL on the day of analysis. Because the sensitivity was shown to be adequate to detect the compound in question and the compound was not detected in the field sample, the data quality is not significantly affected. No further corrective action was appropriate.

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

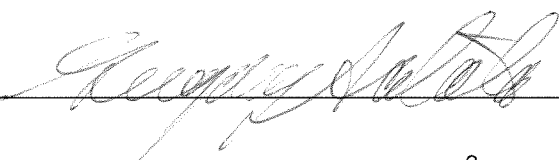
1,4-Dioxane by EPA Method 8270C

Sample Notes and Discussion

Insufficient sample volume was received to perform a Matrix Spike/Matrix Spike Duplicate (MS/MSD). A Laboratory Control Sample/Duplicate Laboratory Control Sample (LCS/DLCS) was analyzed and reported in lieu of the MS/MSD for these samples.

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

Approved by



Date

5/29/08

**Chain of Custody
Documentation**

CHAIN OF CUSTODY

SR#: 10803953

PAGE 1 OF 1 COC #

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 895-7222x07 • FAX (360) 636-1068



PROJECT NAME <u>KUHLMAN ELECTRIC</u>		NUMBER OF CONTAINERS	
PROJECT NUMBER <u>1</u>	PROJECT MANAGER <u>ROBERT MARTIN</u>	DATE	TIME
COMPANY/ADDRESS <u>MARTIN STAGLE</u>		LAB I.D.	MATRIX
CITY/STATE/ZIP <u>BACK MOUNTAIN NC</u>	E-MAIL ADDRESS	SAMPLE I.D.	
PHONE #	FAX #	SAMPLE I.D.	DATE
SAMPLER'S SIGNATURE		TIME	LAB I.D.
SAMPLE I.D.	DATE	TIME	LAB I.D.
<u>CSU-WA1-024</u>	<u>5/1/08</u>	<u>0850</u>	<u>W 5</u>
<u>DUPLICATE</u>	<u>5/1/08</u>	<u>---</u>	<u>W 5</u>
<u>TRIP BLANK</u>	<u>---</u>	<u>---</u>	<u>W 2</u>

REPORT REQUIREMENTS		INVOICE INFORMATION	
<input type="checkbox"/> I. Routine Report: Method Blank, Surrogate, as required	P.O. # <u>BORG WATER</u>	Circle which metals are to be analyzed:	
<input checked="" type="checkbox"/> II. Report Dup., MS, MSD as required	Bill To: <u>BORG WATER</u>	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	
<input type="checkbox"/> III. Data Validation Report (includes all raw data)		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	
<input type="checkbox"/> IV. CLP Deliverable Report		*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)	
<input type="checkbox"/> V. EDD		SPECIAL INSTRUCTIONS/COMMENTS: <u>82608 list - Kuhlman list</u> <u>1,4 Dioxane - used 0.5g/L Kjeldahl limit</u>	

Requested Report Date	Requested Report Date
Signature <u>Charles O.M. Peil</u>	Signature <u>Alvin</u>
Printed Name <u>Charles O.M. Peil</u>	Printed Name <u>Alvin</u>
Date/Time <u>5/1/08 1700</u>	Date/Time <u>5/8/08 0900</u>
Firm <u>PEEL CONSULTING</u>	Firm <u>CAS</u>

<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃ <input type="checkbox"/> NO ₃ , BOD, TSS, TDS (circle) PO ₄ -P, NO ₂ <input type="checkbox"/> pH, Cond, Cl, SO ₄ , Hex-Chrom <input type="checkbox"/> Cyanide <input type="checkbox"/> Metals, Total or Dissolved (See list below) <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> Tr <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> 8151A <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> Pesticides/Herbicides <input type="checkbox"/> 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> Congeners <input type="checkbox"/> PCBs <input type="checkbox"/> Aroclors <input type="checkbox"/> 1664 HEM <input type="checkbox"/> Oils & Grease/TPH <input type="checkbox"/> 1664 SGT <input type="checkbox"/> Fuel Fingerprint (FIO) <input type="checkbox"/> Oil <input type="checkbox"/> NW-HCID Screen <input type="checkbox"/> Diesel <input type="checkbox"/> Gas <input type="checkbox"/> Hydrocarbons (see below) <input type="checkbox"/> BTEX <input type="checkbox"/> 8021 <input type="checkbox"/> 8250 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270L <input type="checkbox"/> Semivolatile Organics by GC/MS <input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/> Volatile Organics <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> Fuel Fingerprint (FIO) <input type="checkbox"/> Oil <input type="checkbox"/> NW-HCID Screen <input type="checkbox"/> Diesel <input type="checkbox"/> Gas <input type="checkbox"/> Hydrocarbons (see below) <input type="checkbox"/> BTEX <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270L <input type="checkbox"/> Semivolatile Organics by GC/MS <input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/> Volatile Organics <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL	REMARKS #1061C <u>1,4 Dioxane by E2051m</u> W2287 W2293
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**Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form**

PC Greg

Client / Project: ECS Service Request K08 3953

Received: 5/8/08 Opened: 5/8/08 By: AJ

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): 0.6
Temperature Blank (°C): 0.1

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: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-024
Lab Code: K0803953-001
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.083	1	05/14/08	05/14/08	KWG0804503	
Chloromethane	ND	U	0.50	0.053	1	05/14/08	05/14/08	KWG0804503	
Vinyl Chloride	ND	U	0.50	0.071	1	05/14/08	05/14/08	KWG0804503	
Bromomethane	ND	U	0.50	0.072	1	05/14/08	05/14/08	KWG0804503	*
Chloroethane	ND	U	0.50	0.13	1	05/14/08	05/14/08	KWG0804503	
Trichlorofluoromethane	ND	U	0.50	0.086	1	05/14/08	05/14/08	KWG0804503	
Acetone	ND	U	20	2.5	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloroethene	1.4		0.50	0.10	1	05/14/08	05/14/08	KWG0804503	
Carbon Disulfide	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Methylene Chloride	ND	U	2.0	0.23	1	05/14/08	05/14/08	KWG0804503	
trans-1,2-Dichloroethene	ND	U	0.50	0.048	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloroethane	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
2-Butanone (MEK)	ND	U	20	3.8	1	05/14/08	05/14/08	KWG0804503	
2,2-Dichloropropane	ND	U	0.50	0.050	1	05/14/08	05/14/08	KWG0804503	
cis-1,2-Dichloroethene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Chloroform	0.11	J	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
Bromochloromethane	ND	U	0.50	0.091	1	05/14/08	05/14/08	KWG0804503	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.050	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloropropene	ND	U	0.50	0.051	1	05/14/08	05/14/08	KWG0804503	
Carbon Tetrachloride	ND	U	0.50	0.068	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.073	1	05/14/08	05/14/08	KWG0804503	
Benzene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Trichloroethene (TCE)	ND	U	0.50	0.061	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichloropropane	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
Bromodichloromethane	ND	U	0.50	0.036	1	05/14/08	05/14/08	KWG0804503	
Dibromomethane	ND	U	0.50	0.089	1	05/14/08	05/14/08	KWG0804503	
2-Hexanone	ND	U	20	2.9	1	05/14/08	05/14/08	KWG0804503	
cis-1,3-Dichloropropene	ND	U	0.50	0.038	1	05/14/08	05/14/08	KWG0804503	
Toluene	0.060	J	0.50	0.048	1	05/14/08	05/14/08	KWG0804503	
trans-1,3-Dichloropropene	ND	U	0.50	0.041	1	05/14/08	05/14/08	KWG0804503	
1,1,2-Trichloroethane	ND	U	0.50	0.061	1	05/14/08	05/14/08	KWG0804503	
4-Methyl-2-pentanone (MIBK)	ND	U	20	3.0	1	05/14/08	05/14/08	KWG0804503	
1,3-Dichloropropane	ND	U	0.50	0.032	1	05/14/08	05/14/08	KWG0804503	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-024
Lab Code: K0803953-001
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	0.11	J	0.50	0.077	1	05/14/08	05/14/08	KWG0804503	
Dibromochloromethane	ND	U	0.50	0.057	1	05/14/08	05/14/08	KWG0804503	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.084	1	05/14/08	05/14/08	KWG0804503	
Chlorobenzene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.047	1	05/14/08	05/14/08	KWG0804503	
Ethylbenzene	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
m,p-Xylenes	ND	U	0.50	0.078	1	05/14/08	05/14/08	KWG0804503	
o-Xylene	ND	U	0.50	0.037	1	05/14/08	05/14/08	KWG0804503	
Styrene	ND	U	0.50	0.039	1	05/14/08	05/14/08	KWG0804503	
Bromoform	ND	U	0.50	0.080	1	05/14/08	05/14/08	KWG0804503	
Isopropylbenzene	ND	U	2.0	0.031	1	05/14/08	05/14/08	KWG0804503	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.064	1	05/14/08	05/14/08	KWG0804503	
1,2,3-Trichloropropane	ND	U	0.50	0.14	1	05/14/08	05/14/08	KWG0804503	
Bromobenzene	ND	U	2.0	0.027	1	05/14/08	05/14/08	KWG0804503	
n-Propylbenzene	ND	U	2.0	0.037	1	05/14/08	05/14/08	KWG0804503	
2-Chlorotoluene	ND	U	2.0	0.035	1	05/14/08	05/14/08	KWG0804503	
4-Chlorotoluene	ND	U	2.0	0.025	1	05/14/08	05/14/08	KWG0804503	
1,3,5-Trimethylbenzene	ND	U	2.0	0.042	1	05/14/08	05/14/08	KWG0804503	
tert-Butylbenzene	ND	U	2.0	0.038	1	05/14/08	05/14/08	KWG0804503	
1,2,4-Trimethylbenzene	ND	U	2.0	0.037	1	05/14/08	05/14/08	KWG0804503	
sec-Butylbenzene	ND	U	2.0	0.036	1	05/14/08	05/14/08	KWG0804503	
1,3-Dichlorobenzene	ND	U	0.50	0.041	1	05/14/08	05/14/08	KWG0804503	
4-Isopropyltoluene	ND	U	2.0	0.044	1	05/14/08	05/14/08	KWG0804503	
1,4-Dichlorobenzene	ND	U	0.50	0.054	1	05/14/08	05/14/08	KWG0804503	
n-Butylbenzene	ND	U	2.0	0.056	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichlorobenzene	ND	U	0.50	0.044	1	05/14/08	05/14/08	KWG0804503	
1,2-Dibromo-3-chloropropane	ND	U	2.0	0.22	1	05/14/08	05/14/08	KWG0804503	
1,2,4-Trichlorobenzene	ND	U	2.0	0.13	1	05/14/08	05/14/08	KWG0804503	
1,2,3-Trichlorobenzene	ND	U	2.0	0.10	1	05/14/08	05/14/08	KWG0804503	
Naphthalene	ND	U	2.0	0.10	1	05/14/08	05/14/08	KWG0804503	
Hexachlorobutadiene	ND	U	2.0	0.19	1	05/14/08	05/14/08	KWG0804503	
1,3,5-Trichlorobenzene	ND	U	5.0	0.10	1	05/14/08	05/14/08	KWG0804503	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-024
Lab Code: K0803953-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	05/14/08	Acceptable
Toluene-d8	111	80-128	05/14/08	Acceptable
4-Bromofluorobenzene	97	75-117	05/14/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

Volatile Organic Compounds

Sample Name: Duplicate
Lab Code: K0803953-002
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.083	1	05/14/08	05/14/08	KWG0804503	
Chloromethane	0.10	J	0.50	0.053	1	05/14/08	05/14/08	KWG0804503	
Vinyl Chloride	ND	U	0.50	0.071	1	05/14/08	05/14/08	KWG0804503	
Bromomethane	ND	U	0.50	0.072	1	05/14/08	05/14/08	KWG0804503	*
Chloroethane	ND	U	0.50	0.13	1	05/14/08	05/14/08	KWG0804503	
Trichlorofluoromethane	ND	U	0.50	0.086	1	05/14/08	05/14/08	KWG0804503	
Acetone	3.4	J	20	2.5	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloroethene	1.4		0.50	0.10	1	05/14/08	05/14/08	KWG0804503	
Carbon Disulfide	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Methylene Chloride	ND	U	2.0	0.23	1	05/14/08	05/14/08	KWG0804503	
trans-1,2-Dichloroethene	ND	U	0.50	0.048	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloroethane	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
2-Butanone (MEK)	ND	U	20	3.8	1	05/14/08	05/14/08	KWG0804503	
2,2-Dichloropropane	ND	U	0.50	0.050	1	05/14/08	05/14/08	KWG0804503	
cis-1,2-Dichloroethene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Chloroform	0.11	J	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
Bromochloromethane	ND	U	0.50	0.091	1	05/14/08	05/14/08	KWG0804503	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.050	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloropropene	ND	U	0.50	0.051	1	05/14/08	05/14/08	KWG0804503	
Carbon Tetrachloride	ND	U	0.50	0.068	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.073	1	05/14/08	05/14/08	KWG0804503	
Benzene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Trichloroethene (TCE)	ND	U	0.50	0.061	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichloropropane	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
Bromodichloromethane	ND	U	0.50	0.036	1	05/14/08	05/14/08	KWG0804503	
Dibromomethane	ND	U	0.50	0.089	1	05/14/08	05/14/08	KWG0804503	
2-Hexanone	ND	U	20	2.9	1	05/14/08	05/14/08	KWG0804503	
cis-1,3-Dichloropropene	ND	U	0.50	0.038	1	05/14/08	05/14/08	KWG0804503	
Toluene	ND	U	0.50	0.048	1	05/14/08	05/14/08	KWG0804503	
trans-1,3-Dichloropropene	ND	U	0.50	0.041	1	05/14/08	05/14/08	KWG0804503	
1,1,2-Trichloroethane	ND	U	0.50	0.061	1	05/14/08	05/14/08	KWG0804503	
4-Methyl-2-pentanone (MIBK)	ND	U	20	3.0	1	05/14/08	05/14/08	KWG0804503	
1,3-Dichloropropane	ND	U	0.50	0.032	1	05/14/08	05/14/08	KWG0804503	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

Volatile Organic Compounds

Sample Name: Duplicate
Lab Code: K0803953-002
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	0.11	J	0.50	0.077	1	05/14/08	05/14/08	KWG0804503	
Dibromochloromethane	ND	U	0.50	0.057	1	05/14/08	05/14/08	KWG0804503	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.084	1	05/14/08	05/14/08	KWG0804503	
Chlorobenzene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.047	1	05/14/08	05/14/08	KWG0804503	
Ethylbenzene	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
m,p-Xylenes	ND	U	0.50	0.078	1	05/14/08	05/14/08	KWG0804503	
o-Xylene	ND	U	0.50	0.037	1	05/14/08	05/14/08	KWG0804503	
Styrene	ND	U	0.50	0.039	1	05/14/08	05/14/08	KWG0804503	
Bromoform	ND	U	0.50	0.080	1	05/14/08	05/14/08	KWG0804503	
Isopropylbenzene	ND	U	2.0	0.031	1	05/14/08	05/14/08	KWG0804503	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.064	1	05/14/08	05/14/08	KWG0804503	
1,2,3-Trichloropropane	ND	U	0.50	0.14	1	05/14/08	05/14/08	KWG0804503	
Bromobenzene	ND	U	2.0	0.027	1	05/14/08	05/14/08	KWG0804503	
n-Propylbenzene	ND	U	2.0	0.037	1	05/14/08	05/14/08	KWG0804503	
2-Chlorotoluene	ND	U	2.0	0.035	1	05/14/08	05/14/08	KWG0804503	
4-Chlorotoluene	ND	U	2.0	0.025	1	05/14/08	05/14/08	KWG0804503	
1,3,5-Trimethylbenzene	ND	U	2.0	0.042	1	05/14/08	05/14/08	KWG0804503	
tert-Butylbenzene	ND	U	2.0	0.038	1	05/14/08	05/14/08	KWG0804503	
1,2,4-Trimethylbenzene	ND	U	2.0	0.037	1	05/14/08	05/14/08	KWG0804503	
sec-Butylbenzene	ND	U	2.0	0.036	1	05/14/08	05/14/08	KWG0804503	
1,3-Dichlorobenzene	ND	U	0.50	0.041	1	05/14/08	05/14/08	KWG0804503	
4-Isopropyltoluene	ND	U	2.0	0.044	1	05/14/08	05/14/08	KWG0804503	
1,4-Dichlorobenzene	ND	U	0.50	0.054	1	05/14/08	05/14/08	KWG0804503	
n-Butylbenzene	ND	U	2.0	0.056	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichlorobenzene	ND	U	0.50	0.044	1	05/14/08	05/14/08	KWG0804503	
1,2-Dibromo-3-chloropropane	ND	U	2.0	0.22	1	05/14/08	05/14/08	KWG0804503	
1,2,4-Trichlorobenzene	ND	U	2.0	0.13	1	05/14/08	05/14/08	KWG0804503	
1,2,3-Trichlorobenzene	ND	U	2.0	0.10	1	05/14/08	05/14/08	KWG0804503	
Naphthalene	ND	U	2.0	0.10	1	05/14/08	05/14/08	KWG0804503	
Hexachlorobutadiene	ND	U	2.0	0.19	1	05/14/08	05/14/08	KWG0804503	
1,3,5-Trichlorobenzene	ND	U	5.0	0.10	1	05/14/08	05/14/08	KWG0804503	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

Volatile Organic Compounds

Sample Name: Duplicate
Lab Code: K0803953-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	05/14/08	Acceptable
Toluene-d8	111	80-128	05/14/08	Acceptable
4-Bromofluorobenzene	96	75-117	05/14/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0803953-003

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.083	1	05/14/08	05/14/08	KWG0804503	
Chloromethane	ND	U	0.50	0.053	1	05/14/08	05/14/08	KWG0804503	
Vinyl Chloride	ND	U	0.50	0.071	1	05/14/08	05/14/08	KWG0804503	
Bromomethane	ND	U	0.50	0.072	1	05/14/08	05/14/08	KWG0804503	*
Chloroethane	ND	U	0.50	0.13	1	05/14/08	05/14/08	KWG0804503	
Trichlorofluoromethane	ND	U	0.50	0.086	1	05/14/08	05/14/08	KWG0804503	
Acetone	ND	U	20	2.5	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloroethene	ND	U	0.50	0.10	1	05/14/08	05/14/08	KWG0804503	
Carbon Disulfide	0.050	J	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Methylene Chloride	ND	U	2.0	0.23	1	05/14/08	05/14/08	KWG0804503	
trans-1,2-Dichloroethene	ND	U	0.50	0.048	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloroethane	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
2-Butanone (MEK)	ND	U	20	3.8	1	05/14/08	05/14/08	KWG0804503	
2,2-Dichloropropane	ND	U	0.50	0.050	1	05/14/08	05/14/08	KWG0804503	
cis-1,2-Dichloroethene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Chloroform	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
Bromochloromethane	ND	U	0.50	0.091	1	05/14/08	05/14/08	KWG0804503	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.050	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloropropene	ND	U	0.50	0.051	1	05/14/08	05/14/08	KWG0804503	
Carbon Tetrachloride	ND	U	0.50	0.068	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.073	1	05/14/08	05/14/08	KWG0804503	
Benzene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Trichloroethene (TCE)	ND	U	0.50	0.061	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichloropropane	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
Bromodichloromethane	ND	U	0.50	0.036	1	05/14/08	05/14/08	KWG0804503	
Dibromomethane	ND	U	0.50	0.089	1	05/14/08	05/14/08	KWG0804503	
2-Hexanone	ND	U	20	2.9	1	05/14/08	05/14/08	KWG0804503	
cis-1,3-Dichloropropene	ND	U	0.50	0.038	1	05/14/08	05/14/08	KWG0804503	
Toluene	0.12	J	0.50	0.048	1	05/14/08	05/14/08	KWG0804503	
trans-1,3-Dichloropropene	ND	U	0.50	0.041	1	05/14/08	05/14/08	KWG0804503	
1,1,2-Trichloroethane	ND	U	0.50	0.061	1	05/14/08	05/14/08	KWG0804503	
4-Methyl-2-pentanone (MIBK)	ND	U	20	3.0	1	05/14/08	05/14/08	KWG0804503	
1,3-Dichloropropane	ND	U	0.50	0.032	1	05/14/08	05/14/08	KWG0804503	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0803953-003
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.077	1	05/14/08	05/14/08	KWG0804503	
Dibromochloromethane	ND	U	0.50	0.057	1	05/14/08	05/14/08	KWG0804503	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.084	1	05/14/08	05/14/08	KWG0804503	
Chlorobenzene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.047	1	05/14/08	05/14/08	KWG0804503	
Ethylbenzene	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
m,p-Xylenes	ND	U	0.50	0.078	1	05/14/08	05/14/08	KWG0804503	
o-Xylene	ND	U	0.50	0.037	1	05/14/08	05/14/08	KWG0804503	
Styrene	ND	U	0.50	0.039	1	05/14/08	05/14/08	KWG0804503	
Bromoform	ND	U	0.50	0.080	1	05/14/08	05/14/08	KWG0804503	
Isopropylbenzene	ND	U	2.0	0.031	1	05/14/08	05/14/08	KWG0804503	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.064	1	05/14/08	05/14/08	KWG0804503	
1,2,3-Trichloropropane	ND	U	0.50	0.14	1	05/14/08	05/14/08	KWG0804503	
Bromobenzene	ND	U	2.0	0.027	1	05/14/08	05/14/08	KWG0804503	
n-Propylbenzene	ND	U	2.0	0.037	1	05/14/08	05/14/08	KWG0804503	
2-Chlorotoluene	ND	U	2.0	0.035	1	05/14/08	05/14/08	KWG0804503	
4-Chlorotoluene	ND	U	2.0	0.025	1	05/14/08	05/14/08	KWG0804503	
1,3,5-Trimethylbenzene	ND	U	2.0	0.042	1	05/14/08	05/14/08	KWG0804503	
tert-Butylbenzene	ND	U	2.0	0.038	1	05/14/08	05/14/08	KWG0804503	
1,2,4-Trimethylbenzene	ND	U	2.0	0.037	1	05/14/08	05/14/08	KWG0804503	
sec-Butylbenzene	ND	U	2.0	0.036	1	05/14/08	05/14/08	KWG0804503	
1,3-Dichlorobenzene	ND	U	0.50	0.041	1	05/14/08	05/14/08	KWG0804503	
4-Isopropyltoluene	ND	U	2.0	0.044	1	05/14/08	05/14/08	KWG0804503	
1,4-Dichlorobenzene	ND	U	0.50	0.054	1	05/14/08	05/14/08	KWG0804503	
n-Butylbenzene	ND	U	2.0	0.056	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichlorobenzene	ND	U	0.50	0.044	1	05/14/08	05/14/08	KWG0804503	
1,2-Dibromo-3-chloropropane	ND	U	2.0	0.22	1	05/14/08	05/14/08	KWG0804503	
1,2,4-Trichlorobenzene	ND	U	2.0	0.13	1	05/14/08	05/14/08	KWG0804503	
1,2,3-Trichlorobenzene	ND	U	2.0	0.10	1	05/14/08	05/14/08	KWG0804503	
Naphthalene	ND	U	2.0	0.10	1	05/14/08	05/14/08	KWG0804503	
Hexachlorobutadiene	ND	U	2.0	0.19	1	05/14/08	05/14/08	KWG0804503	
1,3,5-Trichlorobenzene	ND	U	5.0	0.10	1	05/14/08	05/14/08	KWG0804503	

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0803953-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	05/14/08	Acceptable
Toluene-d8	110	80-128	05/14/08	Acceptable
4-Bromofluorobenzene	97	75-117	05/14/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0804503-4
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.083	1	05/14/08	05/14/08	KWG0804503	
Chloromethane	ND	U	0.50	0.053	1	05/14/08	05/14/08	KWG0804503	
Vinyl Chloride	ND	U	0.50	0.071	1	05/14/08	05/14/08	KWG0804503	
Bromomethane	ND	U	0.50	0.072	1	05/14/08	05/14/08	KWG0804503	*
Chloroethane	ND	U	0.50	0.13	1	05/14/08	05/14/08	KWG0804503	
Trichlorofluoromethane	ND	U	0.50	0.086	1	05/14/08	05/14/08	KWG0804503	
Acetone	ND	U	20	2.5	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloroethene	ND	U	0.50	0.10	1	05/14/08	05/14/08	KWG0804503	
Carbon Disulfide	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Methylene Chloride	ND	U	2.0	0.23	1	05/14/08	05/14/08	KWG0804503	
trans-1,2-Dichloroethene	ND	U	0.50	0.048	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloroethane	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
2-Butanone (MEK)	ND	U	20	3.8	1	05/14/08	05/14/08	KWG0804503	
2,2-Dichloropropane	ND	U	0.50	0.050	1	05/14/08	05/14/08	KWG0804503	
cis-1,2-Dichloroethene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Chloroform	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
Bromochloromethane	ND	U	0.50	0.091	1	05/14/08	05/14/08	KWG0804503	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.050	1	05/14/08	05/14/08	KWG0804503	
1,1-Dichloropropene	ND	U	0.50	0.051	1	05/14/08	05/14/08	KWG0804503	
Carbon Tetrachloride	ND	U	0.50	0.068	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.073	1	05/14/08	05/14/08	KWG0804503	
Benzene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
Trichloroethene (TCE)	ND	U	0.50	0.061	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichloropropane	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
Bromodichloromethane	ND	U	0.50	0.036	1	05/14/08	05/14/08	KWG0804503	
Dibromomethane	ND	U	0.50	0.089	1	05/14/08	05/14/08	KWG0804503	
2-Hexanone	ND	U	20	2.9	1	05/14/08	05/14/08	KWG0804503	
cis-1,3-Dichloropropene	ND	U	0.50	0.038	1	05/14/08	05/14/08	KWG0804503	
Toluene	ND	U	0.50	0.048	1	05/14/08	05/14/08	KWG0804503	
trans-1,3-Dichloropropene	ND	U	0.50	0.041	1	05/14/08	05/14/08	KWG0804503	
1,1,2-Trichloroethane	ND	U	0.50	0.061	1	05/14/08	05/14/08	KWG0804503	
4-Methyl-2-pentanone (MIBK)	ND	U	20	3.0	1	05/14/08	05/14/08	KWG0804503	
1,3-Dichloropropane	ND	U	0.50	0.032	1	05/14/08	05/14/08	KWG0804503	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0804503-4
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.077	1	05/14/08	05/14/08	KWG0804503	
Dibromochloromethane	ND	U	0.50	0.057	1	05/14/08	05/14/08	KWG0804503	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.084	1	05/14/08	05/14/08	KWG0804503	
Chlorobenzene	ND	U	0.50	0.045	1	05/14/08	05/14/08	KWG0804503	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.047	1	05/14/08	05/14/08	KWG0804503	
Ethylbenzene	ND	U	0.50	0.042	1	05/14/08	05/14/08	KWG0804503	
m,p-Xylenes	ND	U	0.50	0.078	1	05/14/08	05/14/08	KWG0804503	
o-Xylene	ND	U	0.50	0.037	1	05/14/08	05/14/08	KWG0804503	
Styrene	ND	U	0.50	0.039	1	05/14/08	05/14/08	KWG0804503	
Bromoform	ND	U	0.50	0.080	1	05/14/08	05/14/08	KWG0804503	
Isopropylbenzene	ND	U	2.0	0.031	1	05/14/08	05/14/08	KWG0804503	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.064	1	05/14/08	05/14/08	KWG0804503	
1,2,3-Trichloropropane	ND	U	0.50	0.14	1	05/14/08	05/14/08	KWG0804503	
Bromobenzene	ND	U	2.0	0.027	1	05/14/08	05/14/08	KWG0804503	
n-Propylbenzene	ND	U	2.0	0.037	1	05/14/08	05/14/08	KWG0804503	
2-Chlorotoluene	ND	U	2.0	0.035	1	05/14/08	05/14/08	KWG0804503	
4-Chlorotoluene	ND	U	2.0	0.025	1	05/14/08	05/14/08	KWG0804503	
1,3,5-Trimethylbenzene	ND	U	2.0	0.042	1	05/14/08	05/14/08	KWG0804503	
tert-Butylbenzene	ND	U	2.0	0.038	1	05/14/08	05/14/08	KWG0804503	
1,2,4-Trimethylbenzene	ND	U	2.0	0.037	1	05/14/08	05/14/08	KWG0804503	
sec-Butylbenzene	ND	U	2.0	0.036	1	05/14/08	05/14/08	KWG0804503	
1,3-Dichlorobenzene	ND	U	0.50	0.041	1	05/14/08	05/14/08	KWG0804503	
4-Isopropyltoluene	ND	U	2.0	0.044	1	05/14/08	05/14/08	KWG0804503	
1,4-Dichlorobenzene	ND	U	0.50	0.054	1	05/14/08	05/14/08	KWG0804503	
n-Butylbenzene	ND	U	2.0	0.056	1	05/14/08	05/14/08	KWG0804503	
1,2-Dichlorobenzene	ND	U	0.50	0.044	1	05/14/08	05/14/08	KWG0804503	
1,2-Dibromo-3-chloropropane	ND	U	2.0	0.22	1	05/14/08	05/14/08	KWG0804503	
1,2,4-Trichlorobenzene	ND	U	2.0	0.13	1	05/14/08	05/14/08	KWG0804503	
1,2,3-Trichlorobenzene	0.23	J	2.0	0.10	1	05/14/08	05/14/08	KWG0804503	
Naphthalene	0.14	J	2.0	0.10	1	05/14/08	05/14/08	KWG0804503	
Hexachlorobutadiene	ND	U	2.0	0.19	1	05/14/08	05/14/08	KWG0804503	
1,3,5-Trichlorobenzene	0.19	J	5.0	0.10	1	05/14/08	05/14/08	KWG0804503	

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0804503-4

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	75-120	05/14/08	Acceptable
Toluene-d8	110	80-128	05/14/08	Acceptable
4-Bromofluorobenzene	98	75-117	05/14/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0803953

**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-WA1-024	K0803953-001	96	111	97
Duplicate	K0803953-002	96	111	96
Trip Blank	K0803953-003	96	110	97
Method Blank	KWG0804503-4	97	110	98
Batch QC	K0803811-025	95	111	97
Batch QCMS	KWG0804503-1	94	110	100
Batch QCDMS	KWG0804503-2	96	111	101
Lab Control Sample	KWG0804503-3	92	108	98

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: K0803953
Date Extracted: 05/14/2008
Date Analyzed: 05/14/2008

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

Sample Name: Batch QC
Lab Code: K0803811-025
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0804503

Analyte Name	Sample Result	Batch QCMS KWG0804503-1 Matrix Spike			Batch QCDMS KWG0804503-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	ND	14.6	10.0	146	13.7	10.0	137	67-147	6	30
Benzene	ND	11.5	10.0	115	10.9	10.0	109	69-126	5	30
Trichloroethene (TCE)	ND	11.5	10.0	115	10.7	10.0	107	56-137	6	30
Toluene	0.10	11.4	10.0	113	10.9	10.0	108	66-128	4	30
Chlorobenzene	ND	10.6	10.0	106	10.2	10.0	102	68-120	4	30
1,2-Dichlorobenzene	ND	10.4	10.0	104	10.1	10.0	101	67-116	3	30
Naphthalene	ND	11.7	10.0	117	11.8	10.0	118	61-137	1	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: K0803953
Date Extracted: 05/14/2008
Date Analyzed: 05/14/2008

**Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0804503

Analyte Name	Lab Control Sample KWG0804503-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Dichlorodifluoromethane	12.0	10.0	120	21-156
Chloromethane	9.94	10.0	99	45-135
Vinyl Chloride	11.5	10.0	115	59-135
Bromomethane	6.16	10.0	62	24-144
Chloroethane	9.33	10.0	93	60-128
Trichlorofluoromethane	9.11	10.0	91	54-129
Acetone	47.1	50.0	94	53-129
1,1-Dichloroethene	12.2	10.0	122	70-136
Carbon Disulfide	17.8	20.0	89	64-129
Methylene Chloride	9.48	10.0	95	64-137
trans-1,2-Dichloroethene	10.9	10.0	109	70-121
1,1-Dichloroethane	9.21	10.0	92	72-122
2-Butanone (MEK)	52.0	50.0	104	56-137
2,2-Dichloropropane	9.29	10.0	93	48-133
cis-1,2-Dichloroethene	9.99	10.0	100	76-125
Chloroform	8.58	10.0	86	71-118
Bromochloromethane	8.98	10.0	90	72-123
1,1,1-Trichloroethane (TCA)	8.98	10.0	90	65-126
1,1-Dichloropropene	9.68	10.0	97	71-119
Carbon Tetrachloride	9.09	10.0	91	58-133
1,2-Dichloroethane (EDC)	8.68	10.0	87	69-125
Benzene	9.98	10.0	100	74-118
Trichloroethene (TCE)	9.70	10.0	97	71-122
1,2-Dichloropropane	9.75	10.0	98	73-123
Bromodichloromethane	9.39	10.0	94	72-127
Dibromomethane	8.99	10.0	90	71-124
2-Hexanone	49.9	50.0	100	44-135
cis-1,3-Dichloropropene	9.66	10.0	97	71-125
Toluene	9.82	10.0	98	74-117
trans-1,3-Dichloropropene	8.83	10.0	88	56-121
1,1,2-Trichloroethane	9.67	10.0	97	73-122
4-Methyl-2-pentanone (MIBK)	46.7	50.0	93	57-129
1,3-Dichloropropane	9.49	10.0	95	74-120
Tetrachloroethene (PCE)	9.71	10.0	97	65-121
Dibromochloromethane	9.48	10.0	95	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: K0803953
Date Extracted: 05/14/2008
Date Analyzed: 05/14/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0804503

Lab Control Sample
 KWG0804503-3
 Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	9.57	10.0	96	71-120
Chlorobenzene	9.35	10.0	94	74-115
1,1,1,2-Tetrachloroethane	9.40	10.0	94	71-118
Ethylbenzene	10.0	10.0	100	71-118
m,p-Xylenes	20.2	20.0	101	73-119
o-Xylene	9.92	10.0	99	74-120
Styrene	10.2	10.0	102	75-123
Bromoform	9.51	10.0	95	57-135
Isopropylbenzene	9.16	10.0	92	65-110
1,1,2,2-Tetrachloroethane	9.61	10.0	96	63-126
1,2,3-Trichloropropane	9.38	10.0	94	67-123
Bromobenzene	9.51	10.0	95	76-111
n-Propylbenzene	9.91	10.0	99	69-122
2-Chlorotoluene	9.60	10.0	96	72-120
4-Chlorotoluene	9.52	10.0	95	70-118
1,3,5-Trimethylbenzene	9.63	10.0	96	70-120
tert-Butylbenzene	9.98	10.0	100	72-118
1,2,4-Trimethylbenzene	9.97	10.0	100	72-121
sec-Butylbenzene	10.7	10.0	107	73-130
1,3-Dichlorobenzene	9.48	10.0	95	76-110
4-Isopropyltoluene	9.66	10.0	97	67-115
1,4-Dichlorobenzene	9.08	10.0	91	74-112
n-Butylbenzene	10.3	10.0	103	62-123
1,2-Dichlorobenzene	9.38	10.0	94	75-110
1,2-Dibromo-3-chloropropane	9.94	10.0	99	49-124
1,2,4-Trichlorobenzene	10.7	10.0	107	66-115
1,2,3-Trichlorobenzene	11.2	10.0	112	64-120
Naphthalene	10.9	10.0	109	58-132
Hexachlorobutadiene	10.5	10.0	105	61-124
1,3,5-Trichlorobenzene	44.3	40.0	111	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.

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: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

1,4-Dioxane by GC/MS

Sample Name: CSW-WA1-024
Lab Code: K0803953-001
Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	1.1		0.50	0.260	1	05/13/08	05/27/08	KWG0804444	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	85	55-100	05/27/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: 05/06/2008
Date Received: 05/08/2008

1,4-Dioxane by GC/MS

Sample Name: Duplicate
Lab Code: K0803953-002
Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	1.1		0.50	0.260	1	05/13/08	05/27/08	KWG0804444	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	89	55-100	05/27/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0803953
Date Collected: NA
Date Received: NA

1,4-Dioxane by GC/MS

Sample Name: Method Blank
Lab Code: KWG0804444-3
Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	ND	U	0.50	0.260	1	05/13/08	05/27/08	KWG0804444	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	82	55-100	05/27/08	Acceptable

Comments: _____

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

Service Request: K0803953

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-WA1-024	K0803953-001	85
Duplicate	K0803953-002	89
Method Blank	KWG0804444-3	82
Lab Control Sample	KWG0804444-1	87
Duplicate Lab Control Sample	KWG0804444-2	76

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: K0803953
Date Extracted: 05/13/2008
Date Analyzed: 05/27/2008

**Lab Control Spike/Duplicate 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: KWG0804444

Analyte Name	Lab Control Sample KWG0804444-1 Lab Control Spike			Duplicate Lab Control Sample KWG0804444-2 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
1,4-Dioxane	22.8	25.0	91	21.5	25.0	86	56-107	6	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.