

October 16, 2008

Analytical Report for Service Request No: K0807365

Christine Slagle
Martin & Slagle
118 F Cherry St.
PO Box 1023
Black Mountain, NC 28711

RE: Kuhlman Electric

Dear Christine:

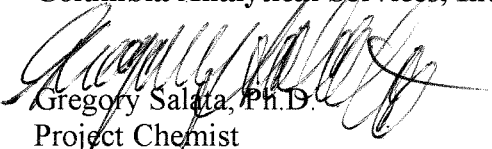
Enclosed are the revised pages for the samples submitted to our laboratory on August 07, 2008. For your reference, these analyses have been assigned our service request number K0807365.

The data has been re-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

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Acronyms

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

Inorganic Data Qualifiers

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

Metals Data Qualifiers

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

Organic Data Qualifiers

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

Additional Petroleum Hydrocarbon Specific Qualifiers

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

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

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



Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Environmental Chemistry Consulting Services, Inc. Service Request No.: K0807365
Project: Kuhlman Electric Date Received: 08/07/2008
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 08/07/2008. 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 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.

Matrix Spike Recovery Exceptions:

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

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

1,4-Dioxin 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

SR#: 40807365

PAGE 1 OF 1 COC # _____

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



PROJECT NAME	PROJECT NUMBER	CITY/STATE/ZIP	LAB I.D.	TIME	MATRIX	NUMBER OF CONTAINERS	REMARKS
<u>KUHLMAN ELECTRIC</u>							
<u>ROBERT MARTIN</u>							
<u>MARTIN + STAGLE</u>							
<u>BLACK MOUNTAIN NC</u>							
<u>Charles O. Martin</u>							
<u>CSW-WA1-027</u>		<u>8/5/08</u>	<u>0845</u>		<u>W S</u>		<u>LIBRARY BY 9230 SIM</u>
<u>Duplicate</u>		<u>8/5/08</u>			<u>W S</u>		<u>W2396</u>
<u>TRIP BLANK</u>					<u>W Z</u>		<u>W2402</u>
<u>[Signature]</u>							
<u>[Signature]</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: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

8208 - Kuhlman list
1,4 Dioxane - must 0.5g/L Report limit
*RECOVERED

REPORT REQUIREMENTS I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes all raw data) IV. CLP Deliverable Report V. EDD	INVOICE INFORMATION P.O. # _____ Bill To: <u>BORG WARNER</u>	TURNAROUND REQUIREMENTS 24 hr. _____ 48 hr. _____ 5 Day _____ <input checked="" type="checkbox"/> Standard (10-15 working days) Provide FAX Results _____ Requested Report Date _____	
RELINQUISHED BY: Signature: <u>[Signature]</u> Date/Time: <u>8/6/08 1:20</u> Printed Name: <u>Charles O. Martin</u> Firm: _____	RECEIVED BY: Signature: <u>[Signature]</u> Date/Time: <u>8/7/08 09:30</u> Printed Name: <u>[Name]</u> Firm: _____	RELINQUISHED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____	RECEIVED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____

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

PC Breg

Client / Project: Peel Consulting Service Request K08 7365

Received: 817108 Opened: 817108 By: BT

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: 8377 8414 6440 NA Y N
5. Temperature of cooler(s) upon receipt (°C): 6.4
Temperature Blank (°C): 4.0
6. If applicable, list Chain of Custody Numbers: _____
7. Packing material used. Inserts Baggies Bubble Wrap Gel Packs Wet Ice Sleeves Other _____
8. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
9. Did all bottles arrive in good condition (unbroken)? Indicate in the table below. NA Y N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
11. Did all sample labels and tags agree with custody papers? Indicate in the table below. NA Y N
12. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
13. Were the pH-preserved bottles tested* received at the appropriate pH? Indicate in the table below. NA Y N
14. Were VOA vials and 1631 Mercury bottles received without headspace? Indicate in the table below. NA Y N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? NA Y N
16. Was C12/Res negative? NA Y N

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

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

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

Additional Notes, Discrepancies, & Resolutions: _____

**Volatile Organic Compounds
EPA Method 8260B**

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-027
Lab Code: K0807365-001
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	08/13/08	08/13/08	KWG0808024	
Chloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Vinyl Chloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromomethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Trichlorofluoromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Acetone	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloroethene	1.2		0.50	1	08/13/08	08/13/08	KWG0808024	
Carbon Disulfide	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Methylene Chloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
trans-1,2-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Butanone (MEK)	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
2,2-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
cis-1,2-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chloroform	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromochloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Carbon Tetrachloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Benzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Trichloroethene (TCE)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromodichloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Dibromomethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Hexanone	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
cis-1,3-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Toluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
trans-1,3-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,2-Trichloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
1,3-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-027
Lab Code: K0807365-001
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	08/13/08	08/13/08	KWG0808024	
Dibromochloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Ethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
m,p-Xylenes	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
o-Xylene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Styrene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromoform	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Isopropylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,3-Trichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
n-Propylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Chlorotoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Chlorotoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3,5-Trimethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
tert-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,4-Trimethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
sec-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Isopropyltoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,4-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
n-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	08/13/08	08/13/08	KWG0808024	
1,2,4-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,3-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Naphthalene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Hexachlorobutadiene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3,5-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-027
Lab Code: K0807365-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	95	75-120	08/13/08	Acceptable
Toluene-d8	98	80-128	08/13/08	Acceptable
4-Bromofluorobenzene	97	75-117	08/13/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

Volatile Organic Compounds

Sample Name: Duplicate
Lab Code: K0807365-002
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	08/13/08	08/13/08	KWG0808024	
Chloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Vinyl Chloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromomethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Trichlorofluoromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Acetone	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Carbon Disulfide	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Methylene Chloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
trans-1,2-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Butanone (MEK)	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
2,2-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
cis-1,2-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chloroform	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromochloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Carbon Tetrachloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Benzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Trichloroethene (TCE)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromodichloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Dibromomethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Hexanone	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
cis-1,3-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Toluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
trans-1,3-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,2-Trichloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
1,3-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

Volatile Organic Compounds

Sample Name: Duplicate
Lab Code: K0807365-002
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	08/13/08	08/13/08	KWG0808024	
Dibromochloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Ethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
m,p-Xylenes	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
o-Xylene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Styrene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromoform	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Isopropylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,3-Trichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
n-Propylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Chlorotoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Chlorotoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3,5-Trimethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
tert-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,4-Trimethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
sec-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Isopropyltoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,4-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
n-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	08/13/08	08/13/08	KWG0808024	
1,2,4-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,3-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Naphthalene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Hexachlorobutadiene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3,5-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

Volatile Organic Compounds

Sample Name: Duplicate
Lab Code: K0807365-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	94	75-120	08/13/08	Acceptable
Toluene-d8	98	80-128	08/13/08	Acceptable
4-Bromofluorobenzene	99	75-117	08/13/08	Acceptable

Comments: _____

Analytical Results

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

Service Request: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0807365-003
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	08/13/08	08/13/08	KWG0808024	
Chloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Vinyl Chloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromomethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Trichlorofluoromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Acetone	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Carbon Disulfide	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Methylene Chloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
trans-1,2-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Butanone (MEK)	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
2,2-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
cis-1,2-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chloroform	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromochloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Carbon Tetrachloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Benzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Trichloroethene (TCE)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromodichloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Dibromomethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Hexanone	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
cis-1,3-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Toluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
trans-1,3-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,2-Trichloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
1,3-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0807365-003
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	08/13/08	08/13/08	KWG0808024	
Dibromochloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Ethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
m,p-Xylenes	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
o-Xylene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Styrene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromoform	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Isopropylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,3-Trichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
n-Propylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Chlorotoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Chlorotoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3,5-Trimethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
tert-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,4-Trimethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
sec-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Isopropyltoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,4-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
n-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	08/13/08	08/13/08	KWG0808024	
1,2,4-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,3-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Naphthalene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Hexachlorobutadiene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3,5-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K0807365-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	93	75-120	08/13/08	Acceptable
Toluene-d8	98	80-128	08/13/08	Acceptable
4-Bromofluorobenzene	99	75-117	08/13/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0808024-4
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	08/13/08	08/13/08	KWG0808024	
Chloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Vinyl Chloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromomethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Trichlorofluoromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Acetone	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Carbon Disulfide	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Methylene Chloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
trans-1,2-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Butanone (MEK)	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
2,2-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
cis-1,2-Dichloroethene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chloroform	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromochloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Carbon Tetrachloride	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Benzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Trichloroethene (TCE)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromodichloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Dibromomethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Hexanone	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
cis-1,3-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Toluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
trans-1,3-Dichloropropene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,2-Trichloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	08/13/08	08/13/08	KWG0808024	
1,3-Dichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0808024-4
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	08/13/08	08/13/08	KWG0808024	
Dibromochloromethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dibromoethane (EDB)	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Chlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Ethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
m,p-Xylenes	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
o-Xylene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Styrene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromoform	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Isopropylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,3-Trichloropropane	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Bromobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
n-Propylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
2-Chlorotoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Chlorotoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3,5-Trimethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
tert-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,4-Trimethylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
sec-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
4-Isopropyltoluene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,4-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
n-Butylbenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	08/13/08	08/13/08	KWG0808024	
1,2,4-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,2,3-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Naphthalene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
Hexachlorobutadiene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	
1,3,5-Trichlorobenzene	ND	U	0.50	1	08/13/08	08/13/08	KWG0808024	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0808024-4

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	93	75-120	08/13/08	Acceptable
Toluene-d8	98	80-128	08/13/08	Acceptable
4-Bromofluorobenzene	100	75-117	08/13/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0807365

**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-WA1-027	K0807365-001	95	98	97
Duplicate	K0807365-002	94	98	99
Trip Blank	K0807365-003	93	98	99
Method Blank	KWG0808024-4	93	98	100
Batch QC	K0807396-003	93	99	99
Batch QCMS	KWG0808024-1	95	97	99
Batch QCDMS	KWG0808024-2	99	101	100
Lab Control Sample	KWG0808024-3	101	99	99

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: K0807365
Date Extracted: 08/13/2008
Date Analyzed: 08/13/2008

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

Sample Name: Batch QC
Lab Code: K0807396-003
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0808024

Analyte Name	Sample Result	Batch QCMS KWG0808024-1 Matrix Spike			Batch QCDMS KWG0808024-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	ND	2420	2500	97	2250	2500	90	67-147	7	30
Benzene	5600	7320	2500	70	7450	2500	75	69-126	2	30
Trichloroethene (TCE)	ND	2240	2500	90	2070	2500	83	56-137	8	30
Toluene	100	2270	2500	87	2180	2500	83	66-128	4	30
Chlorobenzene	ND	2340	2500	93	2220	2500	89	68-120	5	30
1,2-Dichlorobenzene	ND	2370	2500	95	2330	2500	93	67-116	2	30
Naphthalene	12000	12800	2500	38 #	14600	2500	110 #	61-137	13	30

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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.

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

Service Request: K0807365
Date Extracted: 08/13/2008
Date Analyzed: 08/13/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0808024

Lab Control Sample
KWG0808024-3
Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
Dichlorodifluoromethane	9.19	10.0	92	21-156
Chloromethane	6.43	10.0	64	45-135
Vinyl Chloride	8.50	10.0	85	59-135
Bromomethane	6.83	10.0	68	24-144
Chloroethane	8.41	10.0	84	60-128
Trichlorofluoromethane	9.37	10.0	94	54-129
Acetone	41.4	50.0	83	53-129
1,1-Dichloroethene	9.64	10.0	96	70-136
Carbon Disulfide	18.0	20.0	90	64-129
Methylene Chloride	9.30	10.0	93	64-137
trans-1,2-Dichloroethene	9.23	10.0	92	70-121
1,1-Dichloroethane	9.05	10.0	91	72-122
2-Butanone (MEK)	41.7	50.0	83	56-137
2,2-Dichloropropane	9.97	10.0	100	48-133
cis-1,2-Dichloroethene	9.23	10.0	92	76-125
Chloroform	9.97	10.0	100	71-118
Bromochloromethane	9.32	10.0	93	72-123
1,1,1-Trichloroethane (TCA)	9.86	10.0	99	65-126
1,1-Dichloropropene	9.01	10.0	90	71-119
Carbon Tetrachloride	10.1	10.0	101	58-133
1,2-Dichloroethane (EDC)	9.16	10.0	92	69-125
Benzene	8.54	10.0	85	74-118
Trichloroethene (TCE)	8.92	10.0	89	71-122
1,2-Dichloropropane	9.07	10.0	91	73-123
Bromodichloromethane	9.97	10.0	100	72-127
Dibromomethane	10.1	10.0	101	71-124
2-Hexanone	43.2	50.0	86	44-135
cis-1,3-Dichloropropene	9.56	10.0	96	71-125
Toluene	8.74	10.0	87	74-117
trans-1,3-Dichloropropene	9.88	10.0	99	56-121
1,1,2-Trichloroethane	9.33	10.0	93	73-122
4-Methyl-2-pentanone (MIBK)	40.4	50.0	81	57-129
1,3-Dichloropropane	9.73	10.0	97	74-120
Tetrachloroethene (PCE)	9.45	10.0	95	65-121
Dibromochloromethane	10.2	10.0	102	67-124

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0807365
Date Extracted: 08/13/2008
Date Analyzed: 08/13/2008

**Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0808024

Lab Control Sample
 KWG0808024-3
 Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	9.94	10.0	99	71-120
Chlorobenzene	9.51	10.0	95	74-115
1,1,1,2-Tetrachloroethane	10.2	10.0	102	71-118
Ethylbenzene	8.97	10.0	90	71-118
m,p-Xylenes	18.2	20.0	91	73-119
o-Xylene	9.45	10.0	95	74-120
Styrene	10.0	10.0	100	75-123
Bromoform	9.94	10.0	99	57-135
Isopropylbenzene	8.68	10.0	87	65-110
1,1,2,2-Tetrachloroethane	9.26	10.0	93	63-126
1,2,3-Trichloropropane	9.56	10.0	96	67-123
Bromobenzene	9.16	10.0	92	76-111
n-Propylbenzene	9.05	10.0	91	69-122
2-Chlorotoluene	9.58	10.0	96	72-120
4-Chlorotoluene	9.69	10.0	97	70-118
1,3,5-Trimethylbenzene	9.40	10.0	94	70-120
tert-Butylbenzene	9.36	10.0	94	72-118
1,2,4-Trimethylbenzene	9.31	10.0	93	72-121
sec-Butylbenzene	9.07	10.0	91	73-130
1,3-Dichlorobenzene	9.73	10.0	97	76-110
4-Isopropyltoluene	9.29	10.0	93	67-115
1,4-Dichlorobenzene	9.55	10.0	96	74-112
n-Butylbenzene	9.21	10.0	92	62-123
1,2-Dichlorobenzene	9.63	10.0	96	75-110
1,2-Dibromo-3-chloropropane	9.83	10.0	98	49-124
1,2,4-Trichlorobenzene	9.55	10.0	96	66-115
1,2,3-Trichlorobenzene	9.52	10.0	95	64-120
Naphthalene	10.2	10.0	102	58-132
Hexachlorobutadiene	9.12	10.0	91	61-124
1,3,5-Trichlorobenzene	38.7	40.0	97	46-133

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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: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

1,4-Dioxane by GC/MS

Sample Name: CSW-WA1-027
Lab Code: K0807365-001
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	0.79	0.50	1	08/12/08	08/22/08	KWG0807929	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	67	55-100	08/22/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: 08/05/2008
Date Received: 08/07/2008

1,4-Dioxane by GC/MS

Sample Name: Duplicate
Lab Code: K0807365-002
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	0.71		0.50	1	08/12/08	08/22/08	KWG0807929	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	61	55-100	08/22/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0807365
Date Collected: NA
Date Received: NA

1,4-Dioxane by GC/MS

Sample Name: Method Blank
Lab Code: KWG0807929-4
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	08/12/08	08/22/08	KWG0807929	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	66	55-100	08/22/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0807365
Date Extracted: 08/12/2008
Date Analyzed: 08/22/2008

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

Sample Name: CSW-WA1-027
Lab Code: K0807365-001
Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0807929

Analyte Name	Sample Result	CSW-WA1-027MS KWG0807929-1 Matrix Spike			CSW-WA1-027DMS KWG0807929-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,4-Dioxane	0.79	8.06	12.5	58	8.78	12.5	64	53-105	9	30

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0807365
Date Extracted: 08/12/2008
Date Analyzed: 08/22/2008

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: KWG0807929

Lab Control Sample
 KWG0807929-3
 Lab Control Spike

Analyte Name	Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
1,4-Dioxane	7.80	12.5	62	56-107

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