

January 25, 2008

Analytical Report for Service Request No: K0800304

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 January 11, 2008. For your reference, these analyses have been assigned our service request number K0800304.

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

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

Respectfully submitted,

Columbia Analytical Services, Inc.



Gregory Salata, Ph.D.
Project Chemist

GS/lb

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Acronyms

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

Inorganic Data Qualifiers

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

Metals Data Qualifiers

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

Organic Data Qualifiers

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

Additional Petroleum Hydrocarbon Specific Qualifiers

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

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

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



Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Environmental Chemistry Consulting Services, Inc. Service Request No.: K0800304
Project: Kuhlman Electric Date Received: 01/11/08
Sample Matrix: Water

CASE NARRATIVE

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

Sample Receipt

Three water samples were received for analysis at Columbia Analytical Services on 01/11/08. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Volatile Organic Compounds by EPA Method 8260B

Initial Calibration Exceptions:

The primary evaluation criterion was exceeded for Methylene Chloride in ICAL ID 6857. 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 8.1%. 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.

Lab Control Sample Exceptions:

The advisory criterion was exceeded for cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Bromochloromethane, and 1,2-Dichloropropane in Laboratory Control Sample (LCS) KWG0800673-3. As per the CAS/Kelso Standard Operating Procedure (SOP) for this method, these compounds are not included in the subset of analytes used to control the analysis. The recovery information reported for these analytes is for advisory purposes only (i.e. to provide additional detail related to the performance of each individual compound). No further corrective action was required.

Sample Notes and Discussion

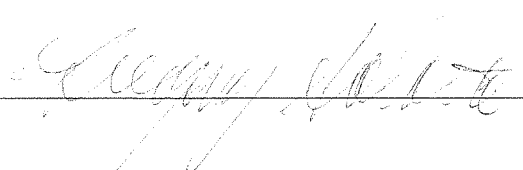
Insufficient sample volume was received to perform a Matrix Spike/Matrix Spike Duplicate (MS/MSD) on the specified sample from this Service Request. A BatchQCMS/MSD was performed and reported in lieu of the requested MS/MSD for these samples.

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

Polynuclear Aromatic Hydrocarbons by EPA Method 8270C

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

Approved by



Date

1/25/08

**Chain of Custody
Documentation**



CHAIN OF CUSTODY

SR#: KA800304

PAGE 1 OF 1

COC # _____

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

PROJECT NAME Kulturathw Electric	PROJECT NUMBER	PROJECT MANAGER JOE KUBALE	COMPANY/ADDRESS ECCS, INC	CITY/STATE/ZIP 2825 ADVANCE RD MIDDLETOWN WA 98117	E-MAIL ADDRESS ECCS@eccs.net	PHONE # 509-345-1974	FAX #	SAMPLE'S SIGNATURE Charles O. M. Peel	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	
CSW-WA-019									01/09/08	0842	W	W	6	
Duplicate											W	W	4	
TRIP BLANK											W	W	2	
SEMI-VOLATILE ORGANICS BY GC/MS <input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270L <input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8270L <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> Gas <input type="checkbox"/> Fuel Fingerprint (FIO) <input type="checkbox"/> Oil & Grease/TRPH <input type="checkbox"/> 1664 HEM <input type="checkbox"/> PCBs <input type="checkbox"/> 1664 SGT <input type="checkbox"/> Congeners <input type="checkbox"/> 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> PCP <input type="checkbox"/> PAHs 8310 <input type="checkbox"/> SIM <input type="checkbox"/> Metals, Total or Dissolved (See list below) <input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle) <input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3 <input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> 1,4 Dioxin by GC/MS 51K														
														REMARKS

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: ECCS

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results _____

Requested Report Date _____

Circle which metals are to be analyzed:

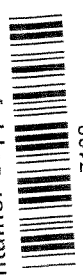
Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

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:
1,4 Dioxin - need 0.5ug/L Report limit
82608 includes 1,3,5 Trichlorobenzene

Container Supply Number



7138

RELINQUISHED BY:

Signature: Charles O. M. Peel Date/Time: 1/09/08 0842

Printed Name: Charles O. M. Peel Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC GS

Client / Project: Prm/ECCS Service Request K08 00304

Received: 1/11/08 Opened: 1/11/08 By: [Signature]

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): 3.7
Temperature Blank (°C): 4.0

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 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 the correct types of bottles used for the tests indicated? NA Y N

13. Were all of the preserved bottles received at the lab with the appropriate pH? Indicate in the table below NA Y N

14. Were VOA vials and 1631 Mercury bottles checked for absence of air bubbles? 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

Additional Notes, Discrepancies, & Resolutions: _____

00019

Volatile Organic Compounds
EPA Method 8260B

01/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
 Date Collected: 01/09/2008
 Date Received: 01/11/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-019
 Lab Code: K0800304-001
 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	01/21/08	01/21/08	KWG0800673	
Chloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Vinyl Chloride	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromomethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Chloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Trichlorofluoromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Acetone	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
1,1-Dichloroethene	1.0		0.50	1	01/21/08	01/21/08	KWG0800673	
Carbon Disulfide	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Methylene Chloride	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1-Dichloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
2-Butanone (MEK)	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
2,2-Dichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Chloroform	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromochloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1-Dichloropropene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Carbon Tetrachloride	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Benzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Trichloroethene (TCE)	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromodichloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Dibromomethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
2-Hexanone	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Toluene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1,2-Trichloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
1,3-Dichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
 Date Collected: 01/09/2008
 Date Received: 01/11/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-019
 Lab Code: K0800304-001
 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	01/21/08	01/21/08	KWG0800673	
Dibromochloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
Chlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Ethylbenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
m,p-Xylenes	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
o-Xylene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Styrene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromoform	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Isopropylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2,3-Trichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromobenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
n-Propylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
2-Chlorotoluene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
4-Chlorotoluene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,3,5-Trimethylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
tert-Butylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2,4-Trimethylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
sec-Butylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,3-Dichlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
4-Isopropyltoluene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,4-Dichlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
n-Butylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2-Dichlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2,4-Trichlorobenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2,3-Trichlorobenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
Naphthalene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
Hexachlorobutadiene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,3,5-Trichlorobenzene	ND	U	5.0	1	01/21/08	01/21/08	KWG0800673	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
Date Collected: 01/09/2008
Date Received: 01/11/2008

Volatile Organic Compounds

Sample Name: CSW-WA1-019
Lab Code: K0800304-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	93	82-125	01/21/08	Acceptable
Toluene-d8	106	87-120	01/21/08	Acceptable
4-Bromofluorobenzene	97	73-118	01/21/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
 Date Collected: 01/09/2008
 Date Received: 01/11/2008

Volatile Organic Compounds

Sample Name: Duplicate
 Lab Code: K0800304-002
 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	01/21/08	01/21/08	KWG0800673	
Chloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Vinyl Chloride	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromomethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Chloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Trichlorofluoromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Acetone	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
1,1-Dichloroethene	1.1		0.50	1	01/21/08	01/21/08	KWG0800673	
Carbon Disulfide	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Methylene Chloride	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1-Dichloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
2-Butanone (MEK)	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
2,2-Dichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Chloroform	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromochloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1-Dichloropropene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Carbon Tetrachloride	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Benzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Trichloroethene (TCE)	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromodichloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Dibromomethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
2-Hexanone	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Toluene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1,2-Trichloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
1,3-Dichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	

Comments:

0014

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
 Date Collected: 01/09/2008
 Date Received: 01/11/2008

Volatile Organic Compounds

Sample Name: Duplicate
 Lab Code: K0800304-002
 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	01/21/08	01/21/08	KWG0800673	
Dibromochloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
Chlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Ethylbenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
m,p-Xylenes	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
o-Xylene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Styrene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromoform	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Isopropylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2,3-Trichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromobenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
n-Propylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
2-Chlorotoluene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
4-Chlorotoluene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,3,5-Trimethylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
tert-Butylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2,4-Trimethylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
sec-Butylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,3-Dichlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
4-Isopropyltoluene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,4-Dichlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
n-Butylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2-Dichlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2,4-Trichlorobenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2,3-Trichlorobenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
Naphthalene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
Hexachlorobutadiene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,3,5-Trichlorobenzene	ND	U	5.0	1	01/21/08	01/21/08	KWG0800673	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
Date Collected: 01/09/2008
Date Received: 01/11/2008

Volatile Organic Compounds

Sample Name: Duplicate
Lab Code: K0800304-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	93	82-125	01/21/08	Acceptable
Toluene-d8	104	87-120	01/21/08	Acceptable
4-Bromofluorobenzene	97	73-118	01/21/08	Acceptable

Comments: _____

00016

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
 Date Collected: NA
 Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
 Lab Code: KWG0800673-4
 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	01/21/08	01/21/08	KWG0800673	
Chloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Vinyl Chloride	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromomethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Chloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Trichlorofluoromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Acetone	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
1,1-Dichloroethene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Carbon Disulfide	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Methylene Chloride	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1-Dichloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
2-Butanone (MEK)	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
2,2-Dichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Chloroform	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromochloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1-Dichloropropene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Carbon Tetrachloride	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Benzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Trichloroethene (TCE)	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromodichloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Dibromomethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
2-Hexanone	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Toluene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1,2-Trichloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/21/08	01/21/08	KWG0800673	
1,3-Dichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	

Comments:

00017

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0800673-4
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	01/21/08	01/21/08	KWG0800673	
Dibromochloromethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
Chlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Ethylbenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
m,p-Xylenes	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
o-Xylene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Styrene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromoform	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Isopropylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2,3-Trichloropropane	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
Bromobenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
n-Propylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
2-Chlorotoluene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
4-Chlorotoluene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,3,5-Trimethylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
tert-Butylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2,4-Trimethylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
sec-Butylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,3-Dichlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
4-Isopropyltoluene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,4-Dichlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
n-Butylbenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2-Dichlorobenzene	ND	U	0.50	1	01/21/08	01/21/08	KWG0800673	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2,4-Trichlorobenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,2,3-Trichlorobenzene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
Naphthalene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
Hexachlorobutadiene	ND	U	2.0	1	01/21/08	01/21/08	KWG0800673	
1,3,5-Trichlorobenzene	ND	U	5.0	1	01/21/08	01/21/08	KWG0800673	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0800673-4

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	93	82-125	01/21/08	Acceptable
Toluene-d8	103	87-120	01/21/08	Acceptable
4-Bromofluorobenzene	97	73-118	01/21/08	Acceptable

Comments: _____

00019

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0800304

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-WA1-019	K0800304-001	93	106	97
Duplicate	K0800304-002	93	104	97
Method Blank	KWG0800673-4	93	103	97
Batch QC	K0800503-001	94	105	96
Batch QCMS	KWG0800673-1	99	107	100
Batch QCDMS	KWG0800673-2	100	106	100
Lab Control Sample	KWG0800673-3	96	105	100

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	82-125
Sur2 = Toluene-d8	87-120
Sur3 = 4-Bromofluorobenzene	73-118

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

00020

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0800304
 Date Extracted: 01/21/2008
 Date Analyzed: 01/21/2008

Matrix Spike/Duplicate Matrix Spike Summary
 Volatile Organic Compounds

Sample Name: Batch QC
 Lab Code: K0800503-001
 Extraction Method: EPA 5030B
 Analysis Method: 8260B

Units: ug/L
 Basis: NA
 Level: Low
 Extraction Lot: KWG0800673

Analyte Name	Sample Result	Batch QCMS KWG0800673-1 Matrix Spike			Batch QCDMS KWG0800673-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	ND	1060	1000	106	1220	1000	122	66-142	13	30
Benzene	ND	1040	1000	104	1120	1000	112	71-126	8	30
Trichloroethene (TCE)	770	1730	1000	97	1840	1000	107	61-130	6	30
Toluene	ND	1030	1000	103	1130	1000	113	68-125	9	30
Chlorobenzene	ND	974	1000	97	1050	1000	105	74-122	7	30
1,2-Dichlorobenzene	ND	934	1000	93	1000	1000	100	74-116	7	30
Naphthalene	ND	934	1000	93	1090	1000	109	50-141	15	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.

00021

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0800304
Date Extracted: 01/21/2008
Date Analyzed: 01/21/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0800673

Analyte Name	Lab Control Sample KWG0800673-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Dichlorodifluoromethane	6.91	10.0	69	24-160
Chloromethane	8.55	10.0	86	41-141
Vinyl Chloride	10.6	10.0	106	60-139
Bromomethane	7.08	10.0	71	32-153
Chloroethane	10.9	10.0	109	66-134
Trichlorofluoromethane	10.2	10.0	102	54-133
Acetone	42.2	50.0	84	57-133
1,1-Dichloroethene	12.3	10.0	123	72-127
Carbon Disulfide	22.9	20.0	114	66-134
Methylene Chloride	12.3	10.0	123	68-141
trans-1,2-Dichloroethene	12.5	10.0	125 *	73-118
1,1-Dichloroethane	11.5	10.0	115	74-119
2-Butanone (MEK)	52.2	50.0	104	64-131
2,2-Dichloropropane	9.45	10.0	95	28-154
cis-1,2-Dichloroethene	12.8	10.0	128 *	78-121
Chloroform	11.1	10.0	111	73-117
Bromochloromethane	12.4	10.0	124 *	76-119
1,1,1-Trichloroethane (TCA)	10.5	10.0	105	65-130
1,1-Dichloropropene	11.2	10.0	112	71-121
Carbon Tetrachloride	10.4	10.0	104	66-139
1,2-Dichloroethane (EDC)	10.1	10.0	101	67-125
Benzene	11.5	10.0	115	74-116
Trichloroethene (TCE)	11.6	10.0	116	73-117
1,2-Dichloropropane	11.7	10.0	117 *	73-116
Bromodichloromethane	10.9	10.0	109	76-130
Dibromomethane	11.4	10.0	114	73-118
2-Hexanone	39.0	50.0	78	49-133
cis-1,3-Dichloropropene	11.0	10.0	110	66-127
Toluene	11.5	10.0	115	71-117
trans-1,3-Dichloropropene	8.54	10.0	85	51-127
1,1,2-Trichloroethane	10.4	10.0	104	78-118
4-Methyl-2-pentanone (MIBK)	49.1	50.0	98	57-132
1,3-Dichloropropane	10.5	10.0	105	77-116
Tetrachloroethene (PCE)	10.4	10.0	104	72-117
Dibromochloromethane	9.90	10.0	99	76-125

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.

00022

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0800304
Date Extracted: 01/21/2008
Date Analyzed: 01/21/2008

**Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0800673

Lab Control Sample
 KWG0800673-3
 Lab Control Spike

Analyte Name	Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
1,2-Dibromoethane (EDB)	10.2	10.0	102	75-117
Chlorobenzene	10.8	10.0	108	81-112
1,1,1,2-Tetrachloroethane	9.86	10.0	99	76-121
Ethylbenzene	10.4	10.0	104	77-119
m,p-Xylenes	21.0	20.0	105	76-123
o-Xylene	10.8	10.0	108	75-118
Styrene	11.1	10.0	111	80-125
Bromoform	9.19	10.0	92	65-133
Isopropylbenzene	9.54	10.0	95	66-107
1,1,2,2-Tetrachloroethane	9.79	10.0	98	68-119
1,2,3-Trichloropropane	9.25	10.0	93	73-117
Bromobenzene	9.35	10.0	94	77-107
n-Propylbenzene	9.58	10.0	96	70-122
2-Chlorotoluene	9.62	10.0	96	71-121
4-Chlorotoluene	9.46	10.0	95	69-121
1,3,5-Trimethylbenzene	9.40	10.0	94	71-121
tert-Butylbenzene	9.53	10.0	95	71-118
1,2,4-Trimethylbenzene	9.58	10.0	96	73-122
sec-Butylbenzene	10.3	10.0	103	70-131
1,3-Dichlorobenzene	9.88	10.0	99	79-109
4-Isopropyltoluene	9.15	10.0	92	62-124
1,4-Dichlorobenzene	9.83	10.0	98	77-109
n-Butylbenzene	9.37	10.0	94	57-130
1,2-Dichlorobenzene	9.79	10.0	98	80-108
1,2-Dibromo-3-chloropropane	8.01	10.0	80	54-123
1,2,4-Trichlorobenzene	9.20	10.0	92	64-120
1,2,3-Trichlorobenzene	8.92	10.0	89	65-118
Naphthalene	8.81	10.0	88	49-135
Hexachlorobutadiene	9.71	10.0	97	57-132
1,3,5-Trichlorobenzene	35.0	40.0	88	51-138

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: K0800304
Date Collected: 01/09/2008
Date Received: 01/11/2008

1,4-Dioxane by GC/MS

Sample Name: CSW-WA1-019
Lab Code: K0800304-001
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	1.1		0.50	1	01/16/08	01/17/08	KWG0800529	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	94	31-117	01/17/08	Acceptable

Comments: _____

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
Date Collected: 01/09/2008
Date Received: 01/11/2008

1,4-Dioxane by GC/MS

Sample Name: Duplicate
Lab Code: K0800304-002
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	1.1		0.50	1	01/16/08	01/17/08	KWG0800529	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	91	31-117	01/17/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0800304
Date Collected: NA
Date Received: NA

1,4-Dioxane by GC/MS

Sample Name: Method Blank
Lab Code: KWG0800529-4
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	01/16/08	01/17/08	KWG0800529	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	91	31-117	01/17/08	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0800304

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-WA1-019	K0800304-001	94
Duplicate	K0800304-002	91
Method Blank	KWG0800529-4	91
CSW-WA1-019MS	KWG0800529-1	91
CSW-WA1-019DMS	KWG0800529-2	87
Lab Control Sample	KWG0800529-3	87

Surrogate Recovery Control Limits (%)

Sur1 = 1,4-Dioxane-d8 31-117

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: K0800304
Date Extracted: 01/16/2008
Date Analyzed: 01/17/2008

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

Sample Name: CSW-WA1-019
Lab Code: K0800304-001
Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0800529

Analyte Name	Sample Result	CSW-WA1-019MS KWG0800529-1 Matrix Spike			CSW-WA1-019DMS KWG0800529-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,4-Dioxane	1.1	24.3	25.0	93	22.6	25.0	86	39-96	7	30

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

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

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

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Environmental Chemistry Consulting Servi
Kuhlman Electric
Water

Service Request: K0800304
Date Extracted: 01/16/2008
Date Analyzed: 01/17/2008

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: KWG080052

Analyte Name	Lab Control Sample KWG0800529-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
1,4-Dioxane	21.6	25.0	87	46-97

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.

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Form 3C - Organic

SuperSet Reference: RR82811

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