ROACH
CONVEYORS®

808 HWY 463 Trumann, AR 72472 Tel 870-483-7631 Fax 870-483-0222
www.roachconveyors.com

July 20, 2010

Mr. Rufus J. Torrence
Water Division Engineer
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

Re: BMR 90 Day Compliance Report

Dear Mr. Torrence:

With reference to your letter of March 5, 2010, I have enclosed our BMR 90 Day Compliance Report along with several supporting documents.

Please note that the analytical results show no presence of PCBs, herbicides, or pesticides (method 608 compounds). Thus, we are requesting that future analysis for TTO be limited to only those compounds that are reasonably expected to be present. We are asking for approval to only sample and analyze for Method 624 and 625 compounds for TTO reporting. Your response to this request is appreciated.

Please let me know if you have questions or if something more is needed.

Sincerely,

G. W. Roach , Jr.
President

FINAL BASELINE MONITORING REPORT
FOR A
40CFR433 CATEGORICAL INDUSTRY

90 Day Compliance Report per §403.12(d)

Instructions: In accordance with 40CFR403.12(b) & (d) Industrial Users subject to categorical Pretreatment Standards are required to submit to ADEQ a report which contains the information in paragraphs (b)(1)-(7). Use of this form is not an EPA requirement. The User is responsible for submitting a complete and accurate report. Nonetheless, the User may complete this form in as much detail as possible. Include additional information on attached sheets as necessary where space is limited.

Return to: Water Div/NPDES Pretreatment

(1) User Identifying Information [**§403.12(b)(1)**]:

A. Legal Name: Roach Manufacturing Corporation

Mailing Address: PO Box 1310

Trumann, AR Zip: 72472

B. Facility Name: Roach Manufacturing Corporation

Location: 808 Hwy. 463 N

Trumann, AR Zip: 72472

C. Name of Owners: Gay W. Roach Sr., G.W. Roach, Jr., Mike Roach Sr., Margaret Parks, Charlie Parks, Nandra Roach

D. Name of Operators: G.W. Roach, Jr., Mike Roach Sr., Margaret Parks, Charlie Parks

E. Facility Contact (Provide the name, title & phone number of a designated person to contact if additional information is necessary) :
G. W. Roach, Jr., President, (870) 483-7631 ext. 222, groach@roachconveyors.com

F. Number of Employees 219 G. Number of Shifts 2

H. Number of Months per Calendar Year which Plant normally operates 12

I. Publicly Owned Treatment Works (POTW) (Provide the name of the sewerage authority, municipality, etc. that receives the wastewater discharges from this facility--If this facility is not connected to a sewerage system describe where wastewater is discharged)
Trumann Waterworks

J. Provide the date the facility began regulated discharge to the POTW (sewerage authority, municipality, etc.)
May 2006

Date facility installed/commence construction of 40CFR433 Core operation(s) May 2006

(2) User's Permits [**§403.12(b)(2)**]:

Describe all environmental control permits held by or for the facility

Describe Title of the Permit	Permit No.	Issuing Office	Exp. Date
None			

(3) Description of User Operations [**§403.12(b)(3)**]:

A. List Raw Material/Basis Metals Used:

steel and aluminum

B. List Toxic Organics (TTO) & alloy metals and their source (Name of Chemical/Basis Metal):

None

C. Describe Manufacturing or Service Activities Conducted and the Final Products:

Manufacturer of conveyors.

D. Summarize each Point Source Category (This form is for only the Metal Finishing Category):

Metal Finishing Source Category	The operation includes a four-stage parts washer prior to painting. The washer has one stage using dilute phosphoric acid.
_____ Source Category	
_____ Source Category	

3.D (Con'd) Summarize each Core process [Electroplating, Electroless Plating, Anodizing, Coating (chromating, phosphating & coloring), Chemical Etching & Milling or Printed Circuit Board Manufacture]:

Process Description*	Pretreatment Standard Category	Subpart	SIC Code	Date Process was Installed
Coating	40CFR433	A	3535	5/06

*Process Description must be exactly as shown in the applicable 40CFR SubPart; for example, 40CFR433 SubPart A lists "Electroplating", "Electroless Plating", "Anodizing", "Coating", "Chemical Etching and Milling" and "Printed Circuit Board Manufacture".

E. Provide on a separate sheet(s):

(i) A schematic drawing/chart of manufactured parts flow through each regulated process that generates wastewater--optional for users with only concentration-based standards.

(ii) A schematic drawing showing all wastewater flows (regulated and unregulated), location of any treatment system, and sampling locations and flows for each individual wastestream. Show points of discharge to the POTW from regulated processes (blank schematic enclosed).

(4) User Flow Measurement [**§403.12(b)(4)**]:

A. Total Plant Flow in Gallons per Day (gpd):

Average 2,515 Maximum 12,600

B. Individual Process Flows in Gallons per Day[1] (gpd)

[1]Referring to 40CFR403.6(e)(1) average flows must be for a 30-day period. Batch discharges which are less frequent than monthly should be normalized to a 365-day period.

STREAMS[2] Dilute wastestreams include non-contact cooling water, sanitary waste, etc.	Average Flow Rate (gpd)	Max. Flow Rate (gpd)	Type Discharge[3]
Regulated Streams			
Four-stage washer *	715	10,000	intermittent (5 day/wk)
*Note: The four-stage washer has one continuous rinse operating 5 days per week at 800 to 1,000 gallons per day. All four stages are dumped and recharged every 3 months with a maximum flow of 10,000 gallons on days for dumps and recharging.			
Unregulated Streams			
Dilute Streams			
Non-Contact Cooling Water			
Sanitary Wastewater	1,800	2,600	continuous

[2] Regulated processes have wastestreams regulated by federal standards.
Unregulated processes have wastestreams (which are not regulated by federal standards) with federally regulated parameters.
Nonregulated processes have unregulated and/or dilute wastestreams.

[3] Show type; for example--Continuous, Batch (Monthly, Semi-annually, etc), Intermittent (5 days/week, 25 days/30-day period, etc.)

(5) Measurement of Pollutants in User's Discharge to POTW [**§§403.6(a) & 403.12(5)**]:

A. (i) Cite Evidence Why Subpart A (40CFR433) is applicable to each Core process[4]:

Coating
Core Process ___A parts washer using phosphoric acid places a coating on parts prior to painting. No treatment is used prior to discharge to city sewer.__

Core Process

Core Process

(ii) Provide on a separate sheet a description of all wastewater treatment utilized (show treatment system location in relation to process flows and sampling points on schematic drawing required in Section 3.E above).

B. Analysis of Regulated Flows: The industrial user must perform sampling and analysis of the effluent from all regulated processes which discharge into the POTW (after treatment, if applicable). Provide the analytical data for the regulated processes in the appropriate space below. **(See attached explanation)**

CONCENTRATIONS (mg/l)									
Basis	Pollutant								
	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO
Maximum	<0.001	0.041	0.141	<0.005	0.228	<0.001	0.672	<0.01	0.40
Average	<0.001	0.003	0.033	<0.001	0.025	<0.001	0.081	<0.01	<0.01

C. Analysis of Total Plant Flow (Mark each blank "N/A" if not appropriate/applicable)
In accordance with 40CFR403.6(e) an industrial user may sample and analyze the total plant flow and calculate an alternate concentration limit using the combined wastestream formula if regulated process flows are mixed with other flows prior to treatment and/or sampling. Record the analytical results for all regulated pollutants below. Record the calculated concentration limits as well as the actual measured concentrations.

CONCENTRATIONS (mg/l)									
Basis[5] AMAC --- Actual Measured Average Concentration from Lab results	Pollutant								
	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO
MAC	NA	NA	NA	NA	NA	NA	NA	NA	NA
AAC	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMMC	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMAC	NA	NA	NA	NA	NA	NA	NA	NA	NA

[4] §403.6(a)(2)(ii)--Optional for Existing Sources and for New Sources which have requested certification.

[5] MAC --- Maximum Alternate Concentration as determined by ADEQ
AMMC --- Actual Measured Maximum Concentration from Lab results
AAC --- Average Alternate Concentration as determined by ADEQ
AMAC --- Actual Measured Average Concentration from Lab Results

D. User Sample Location: process tanks, see attached explanation

Sample Type (Composite samples are required except where not feasible or where grab samples are specifically required--refer to 40CFR403.12(b)(5)(iii): composite and grab, see attached explanation

Number of Samples Taken: 2 Frequency (Daily, Weekly, etc) daily

Analytical Methods Used (Must be in accordance with 40CFR136--for example: EPA 608, 625, etc.) see attached analytical reports

(6) Certifications [**§§403.12(b)(5)(viii) & 403.12(b)(6)**]:

40 CFR 403.12(b)(6) Compliance Certification

A. Are applicable categorical pretreatment standards being met on a consistent basis? YES _X_ NO___

B. If no, do you require:

(i) Additional operation and maintenance (O&M) to achieve compliance? YES ___ NO ___

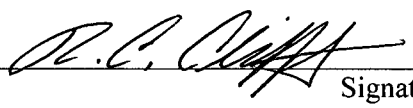
(ii) New or additional pretreatment facilities to achieve compliance? YES ___ NO ___

40 CFR 403.12(b)(5)(viii) Representative Certification

I certify, to the best of my knowledge, that the sampling and analysis as shown in Section 5 above is representative of the User's normal work cycles and the expected Discharges to the POTW.

In accordance with 40CFR403.12(b)(5)(viii) & (6) a qualified professional must complete and sign these certifications in the space below.

Name & Title R. C. Clifft, P..E.
Qualified Professional (Please Type or Print)


Signature

Date July 20, 2010

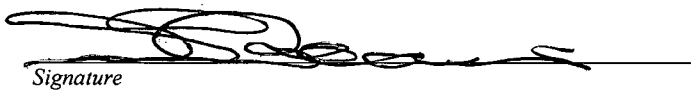
(7) A. If additional O&M or new or additional pretreatment will be required to meet categorical pretreatment standards on a consistent basis, provide an explanation in an attachment. In accordance with **§403.12(b)(7)** as of February 15, 1986 all 40CFR433 Metal Finishers were required to be in compliance. New sources must not commence discharge until compliance is possible.

B. Signatory Requirement [**40 CFR 403.12(l)**]

40 CFR 403.12(l)(3) Authorization to Sign Environmental Reports

I hereby authorize persons filling the position title of __President_____, responsible for the overall operation of the _Roach Mfg. Corp.__ facility in ____Trumann_____, Arkansas, to sign all regular reports required by National Pretreatment Standards--pursuant to ADEQ rules and/or Clean Water Act (CWA) regulations. This written authorization is provided in accordance with 40 CFR 403.12(l) and comparable state regulations.

G. W. Roach, Jr. , President
Corporate official name & title here


Signature

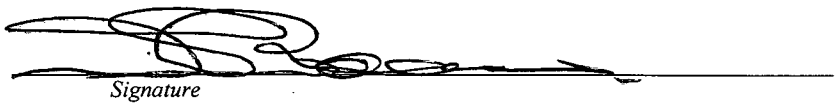
7-20-10
Date

40 CFR 403.6(a)(2)(ii) Certification

I certify under penalty of law that I have personally examined and am familiar with the information in this Baseline Monitoring Report and all attachments, and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the report, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

G. W. Roach, Jr.,
Name of Authorized Representative (Please Type or Print)

President
Official Title (Please Type or Print)


Signature

7-20-10
Date

Explanations for BMR Sampling and Reported Results
Roach Manufacturing Corporation
Samples Collected May 10, 2010

1. One composite sample was collected during routine operations on May 10. Four grab samples were taken from the fourth stage continuous rinse and composited based on flow to represent "average" daily concentrations discharged from the process. The results for this composite sample (stage 4 – rinse) are given in the attached analytical report from Environmental Testing & Consulting (ETC), report no. 10-131-9200.
2. Grab samples were collected from Stages 1, 2, and 3 on May 10 so that calculations could be made to represent "maximum" daily concentrations discharged from the process on days when all four stages are dumped and recharged. All stages were dumped and recharged during the week of May 10. The grab samples from Stages 1 and 2 (both perform the same operation of clean water rinsing) were composited based on tank volume for analysis of metals and cyanide. The grab sample from Stage 3 was analyzed for metals and not cyanide since this is a phosphoric acid tank which should not retain cyanides in solution. Grab samples from Stages 1, 2, and 3 were composited in the lab based on tank volumes for TTO analysis. The results for these samples are given in the attached analytical report from ETC, report no. 10-131-0201.
3. Calculations of the "maximum" daily concentrations are shown below using the attached sampling results and the tank volume weighted fractions.

Stage	Volume	Fraction
1 & 2	4620 gal	0.500
3	3300 gal	0.357
4	1320 gal	0.143

Cd (0.5 + 0.143)(0.0001) + 0.357(0.00107) = <0.001 mg/l
Cr 0.5(0.0292) + 0.357(0.0718) + 0.143(0.00315) = 0.041 mg/l
Cu 0.5(0.216) + 0.357(0.079) + 0.143(0.033) = 0.141 mg/l
Pb 0.5(0.00477) + 0.357(0.005) + 0.143(0.005) = <0.005 mg/l
Ni 0.5(0.0425) + 0.357(0.568) + 0.143(0.0247) = 0.228 mg/l
Ag 0.5(0.00023) + 0.357(0.00107) + 0.143(0.0001) = <0.001 mg/l
Zn 0.5(0.278) + 0.357(1.46) + 0.143(0.0813) = 0.672 mg/l
CN <0.01 mg/l based on samples from stages 1, 2 and 4
Bis(2-ethylhexyl) phthalate 0.385 mg/l
1,2-Diphenylhydrazine/Azobenzene 0.012 mg/l
TTO 0.385 + 0.012 = 0.397 mg/l

4. In the future, grab samples from Stages 1, 2, 3, and 4 will be collected and composited based on take volumes prior to analysis to represent "maximum" daily concentrations.

PARTS WASHER SAMPLING

STAGE 4 - CONTINUOUS RINSE

Sample Personnel: Erwin Clark/R. Cliff

Date: May 10, 2010

Time	Meter Reading (1)	Gallons (2)	Fraction of Total Gallons (4)	Grab Sample Metals/CN	Composite Volume (5)	Grab Sample for TTO (6)
6:00 AM	6913080	NA	NA	NA	NA	NA
7:05 ~~7:00~~ AM	6913280	200	0.206	ST4-1	206	ST4-1
9:00 AM	6913510	230	0.237	ST4-2	237	ST4-2
11:00 AM	6913810	300	0.309	ST4-3	309	ST4-3
1:00 PM	6914056	240	0.248	ST4-4	248	ST4-4
	TOTAL (3):	970 0	TOTAL = 1.0		TOTAL = 1000 ml	

(1) Water meter reading for water line feeding stage 4 of washer.

(2) Subtract meter readings, for example 7 am reading minus 5 am reading.

(3) Sum of gallons for 7am, 9 am, 11 am, and 1 pm.

(4) Divide gallons in column (2) by total (3)

(5) Multiply fraction in column (4) by 1000 to determine portion from grab sample for Metals/CN compositing. Shake grab sample bottle, then using graduated cylinder, measure the portion from grab sample and pour into 1000 ml beaker. After combining all four portions, stir beaker and fill appropriate sample containers for Metals and Cyanide (do not over fill). Complete sample label and chain-of-custody record.

(6) Collect sample directly from tank using glass beaker, being careful to not agitate sample, pour directly into appropriate viles (2 viles per sample time). Completely fill viles and place cap so as to exclude all air (no air bubbles in vile). Complete sample labels and chain-of-custody record. Place the fractions on vile labels for composition by the laborartory (ETC) prior to analysis.

MAP(S) / PLAN(S) SCANNED IN

SEPARATE FILE

ETC
www.etcmemphis.com
ENVIRONMENTAL TESTING & CONSULTING, INC.
2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

6/3/2010

Roach Conveyors
Ms. Sherri Tribble
808 Highway 463 North
Truman, AR, 72472

Ref: Analytical Testing
Report Number: 10-131-9200
Project Description: Semi-annual

Dear Ms. Sherri Tribble:

Environmental Testing and Consulting, Inc. received 3 sample(s) on 5/10/2010 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, instrumentation maintenance and calibration were performed in accordance with guidelines established by the USEPA and NELAP.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Randell H. Thomas

Randy Thomas
Project Manager

Alabama	#40750	Louisiana	#04015	Florida	#E87943	Texas	#T104704180-05-TX
Arkansas	#88-0650	Mississippi		California	#05240CA		
Illinois	#200015	Oklahoma	#9311	USDA	#S-46279		
Kentucky	#90047	Tennessee	#02027	EPA	#TN00012		
Kentucky UST	#41	Virginia	#00106	NELAP	#100456		

ETC
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2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

07154
Roach Conveyors
Ms. Sherri Tribble
808 Highway 463 North
Truman , AR 72472

Project Information : Semi-annual

Revised Report Date: 6/3/2010

Report Number : **10-131-9200**

REPORT OF ANALYSIS

Received : 5/10/2010

Lab No : **65307**
Sample ID : **Stage 4 - Rinse**

Matrix: **Aqueous**
Sampled: **5/10/2010 13:15**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Silver	<0.100	µg/L	0.100	1	05/17/10 13:08	SLH	EPA-200.8
Total Cadmium	<0.100	µg/L	0.100	1	05/17/10 13:08	SLH	EPA-200.8
Total Cyanide	<0.010	mg/L	0.010	1	05/12/10 10:00	DJS	SM-4500CNE
Total Chromium	**3.15**	µg/L	1.00	1	05/17/10 13:08	SLH	EPA-200.8
Total Copper	**33.0**	µg/L	0.500	1	05/17/10 13:08	SLH	EPA-200.8
Total Nickel	**24.7**	µg/L	0.500	1	05/17/10 13:08	SLH	EPA-200.8
Total Lead	<0.500	µg/L	0.500	1	05/17/10 13:08	SLH	EPA-200.8
Total Zinc	**81.3**	µg/L	5.00	1	05/17/10 13:08	SLH	EPA-200.8

Lab No : **65309**
Sample ID : **City Water**

Matrix: **Aqueous**
Sampled: **5/10/2010 13:15**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Copper	**196**	µg/L	0.500	1	05/17/10 13:08	SLH	EPA-200.8
Total Nickel	<0.500	µg/L	0.500	1	05/17/10 13:08	SLH	EPA-200.8
Total Zinc	**328**	µg/L	5.00	1	05/17/10 13:08	SLH	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

CLIENT: Roach Conveyors
Project: Semi-annual
Lab Order Number: 10-131-0200

CASE NARRATIVE

Date: 05/24/10

ETCAL

Volatiles by Method 624
Laboratory Blank

The following analyte(s) was identified in one of the method blanks associated with these samples. The value in parentheses () indicates the 20x value. Per laboratory protocol, any associated sample result within 20 times these levels (20x value) is flagged "B" to indicate that it was detected in the method blank.
29485-LB
Methylene chloride 3.00 J ug/L (60.0 ug/L)

Roach Conveyors
808 Highway 463 North
Truman, AR 72472

Project Description **Semi-annual**

Lab Order Number **10-131-0200**
Lab ID **1005150-001A**
Field ID **Stage 4 - Rinse**
Sample Number **65308**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 624

Prep Method 624 **Prep Batch** 29485 **Date/Time Prepped** 05/21/10 13:08
Default Vol/Wt 10 mL **Sample Vol/Wt** 10 mL

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acrolein	< 20.0	µg/L	20.0	1	05/21/10 18:29	LS	44719
Acrylonitrile	< 20.0	µg/L	20.0	1	05/21/10 18:29	LS	44719
Benzene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Bromodichloromethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Bromoform	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Bromomethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Carbon tetrachloride	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Chlorobenzene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Chlorodibromomethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Chloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
2-Chloroethyl vinyl ether	< 5.00 M	µg/L	5.00	1	05/21/10 18:29	LS	44719
Chloroform	**1.68**	**µg/L**	**1.00**	**1**	**05/21/10 18:29**	**LS**	**44719**
Chloromethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
1,2-Dichlorobenzene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
1,3-Dichlorobenzene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
1,4-Dichlorobenzene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
1,1-Dichloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
1,2-Dichloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
1,1-Dichloroethene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
trans-1,2-Dichloroethene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
1,2-Dichloropropane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
cis-1,3-Dichloropropene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
trans-1,3-Dichloropropene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Ethylbenzene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Methylene chloride	**13.2 B**	**µg/L**	**10.0**	**1**	**05/21/10 18:29**	**LS**	**44719**
Styrene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
1,1,1,2-Tetrachloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

ETC ENVIRONMENTAL TESTING & CONSULTING, INC.
www.etcenviro.com 2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
A Laboratory Management Partner

Roach Conveyors
808 Highway 463 North
Truman, AR 72472

Project Description **Semi-annual**

Lab Order Number **10-131-0200**
Lab ID **1005150-001A**
Field ID **Stage 4 - Rinse**
Sample Number **65308**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 624

Prep Method 624 **Prep Batch** 29485 **Date/Time Prepped** 05/21/10 13:08

Default Vol/Wt 10 mL **Sample Vol/Wt** 10 mL

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,1,2,2-Tetrachloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Tetrachloroethene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Toluene	< 5.00	µg/L	5.00	1	05/21/10 18:29	LS	44719
1,1,1-Trichloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
1,1,2-Trichloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Trichloroethene	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Trichlorofluoromethane	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Vinyl chloride	< 1.00	µg/L	1.00	1	05/21/10 18:29	LS	44719
Surrogate: Dibromofluoromethane		118 %	Limits: 70-128	1	05/21/10 18:29	LS	44719
Surrogate: Toluene-d8		103 %	Limits: 70-130	1	05/21/10 18:29	LS	44719
Surrogate: 4-Bromofluorobenzene		126 %	Limits: 71-131	1	05/21/10 18:29	LS	44719
Surrogate: 1,2-Dichloroethane-d4		112 %	Limits: 67-136	1	05/21/10 18:29	LS	44719

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

ETC ENVIRONMENTAL TESTING & CONSULTING, INC.
www.etcenvmphis.com 2760 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Roach Conveyors
808 Highway 463 North
Truman, AR 72472

Project Description **Semi-annual**

Lab Order Number **10-131-0200**
Lab ID **1005150-001B**
Field ID **Stage 4 - Rinse**
Sample Number **65308**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 608

Prep Method 608 **Prep Batch** 29408 **Date/Time Prepped** 05/12/10 11:53

Default Vol/Wt 1000 Ml **Sample Vol/Wt** 1000 Ml

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aroclor 1016	< 0.200	µg/L	0.200	1	05/15/10 1:29	MJ	44659
Aroclor 1221	< 0.200	µg/L	0.200	1	05/15/10 1:29	MJ	44659
Aroclor 1232	< 0.200	µg/L	0.200	1	05/15/10 1:29	MJ	44659
Aroclor 1242	< 0.200	µg/L	0.200	1	05/15/10 1:29	MJ	44659
Aroclor 1248	< 0.200	µg/L	0.200	1	05/15/10 1:29	MJ	44659
Aroclor 1254	< 0.200	µg/L	0.200	1	05/15/10 1:29	MJ	44659
Aroclor 1260	< 0.200	µg/L	0.200	1	05/15/10 1:29	MJ	44659
Surrogate: Decachlorobiphenyl		72 %	Limits: 36-116	1	05/15/10 1:29	MJ	44659
Surrogate: Tetrachloro-m-xylene		68 %	Limits: 25-123	1	05/15/10 1:29	MJ	44659

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

Roach Conveyors
808 Highway 463 North
Truman, AR 72472

Project Description **Semi-annual**

Lab Order Number **10-131-0200**
Lab ID **1005150-001B**
Field ID **Stage 4 - Rinse**
Sample Number **65308**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 608

Prep Method 608 **Prep Batch** 29409 **Date/Time Prepped** 05/12/10 11:53
Default Vol/Wt 1000 ml **Sample Vol/Wt** 1000 ml

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aldrin	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
alpha-BHC	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
beta-BHC	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
delta-BHC	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
gamma-BHC	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Chlordane	< 0.200	µg/L	0.200	10	05/17/10 18:30	MK	44692
4,4´-DDD	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
4,4´-DDE	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
4,4´-DDT	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Dieldrin	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Endosulfan I	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Endosulfan II	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Endosulfan sulfate	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Endrin	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Endrin aldehyde	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Endrin Ketone	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Heptachlor	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Heptachlor epoxide	< 0.0400	µg/L	0.0400	10	05/17/10 18:30	MK	44692
Toxaphene	< 0.300	µg/L	0.300	10	05/17/10 18:30	MK	44692
Surrogate: Decachlorobiphenyl		96 %	Limits: 36-116	10	05/17/10 18:30	MK	44692
Surrogate: Tetrachloro-m-xylene		68 %	Limits: 25-123	10	05/17/10 18:30	MK	44692

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

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808 Highway 463 North
Truman, AR 72472

Project Description **Semi-annual**

Lab Order Number **10-131-0200**
Lab ID **1005150-001B**
Field ID **Stage 4 - Rinse**
Sample Number **65308**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 625

Prep Method 625 **Prep Batch** 29389 **Date/Time Prepped** 05/11/10 10:30
Default Vol/Wt 1000 mL **Sample Vol/Wt** 1000 mL

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acenaphthene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Acenaphthylene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
alpha-Terpineol	< 1.00	µg/L	1.00	1	05/12/10 21:55	NFP	44644
Anthracene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Benzidine	< 20.0 M	µg/L	20.0	1	05/12/10 21:55	NFP	44644
Benzo(a)anthracene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Benzo(b)fluoranthene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Benzo(k)fluoranthene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Benzo(g,h,i)perylene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Benzo(a)pyrene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Bis(2-chloroethyl)ether	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Bis(2-chloroethoxy)methane	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Bis(2-chloroisopropyl)ether	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Bis(2-ethylhexyl)phthalate	< 10.0	µg/L	10.0	1	05/12/10 21:55	NFP	44644
4-Bromophenyl phenyl ether	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Butyl benzyl phthalate	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
4-Chloro-3-methylphenol	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
2-Chloronaphthalene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
2-Chlorophenol	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
4-Chlorophenyl phenyl ether	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Chrysene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Dibenz(a,h)anthracene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
1,2-Dichlorobenzene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
1,3-Dichlorobenzene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
1,4-Dichlorobenzene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Di-n-butyl phthalate	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
3,3'-Dichlorobenzidine	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

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A Laboratory Management Partner

Roach Conveyors
808 Highway 463 North
Truman, AR 72472

Project Description **Semi-annual**

Lab Order Number **10-131-0200**
Lab ID **1005150-001B**
Field ID **Stage 4 - Rinse**
Sample Number **65308**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 625

Prep Method 625 **Prep Batch** 29389 **Date/Time Prepped** 05/11/10 10:30
Default Vol/Wt 1000 mL **Sample Vol/Wt** 1000 mL

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2,4-Dichlorophenol	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Diethyl phthalate	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
2,4-Dimethylphenol	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Dimethyl phthalate	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
4,6-Dinitro-2-methylphenol	< 10.0	µg/L	10.0	1	05/12/10 21:55	NFP	44644
2,4-Dinitrophenol	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
2,4-Dinitrotoluene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
2,6-Dinitrotoluene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Di-n-octyl phthalate	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
1,2-Diphenylhydrazine/Azobenzene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Fluoranthene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Fluorene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Hexachlorobenzene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Hexachlorobutadiene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Hexachlorocyclopentadiene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Hexachloroethane	< 5.00 M	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Indeno(1,2,3-cd)pyrene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Isophorone	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Naphthalene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644
Nitrobenzene	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
2-Nitrophenol	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
4-Nitrophenol	< 20.0	µg/L	20.0	1	05/12/10 21:55	NFP	44644
N-Nitrosodimethylamine	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
N-Nitrosodiphenylamine	< 10.0	µg/L	10.0	1	05/12/10 21:55	NFP	44644
N-Nitrosodi-n-propylamine	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Pentachlorophenol	< 5.00	µg/L	5.00	1	05/12/10 21:55	NFP	44644
Phenanthrene	< 2.00	µg/L	2.00	1	05/12/10 21:55	NFP	44644

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

Roach Conveyors
808 Highway 463 North
Truman, AR 72472

Project Description **Semi-annual**

Lab Order Number **10-131-0200**
Lab ID **1005150-001B**
Field ID **Stage 4 - Rinse**
Sample Number **65308**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 625

Prep Method 625 **Prep Batch** 29389 **Date/Time Prepped** 05/11/10 10:30

Default Vol/Wt 1000 mL **Sample Vol/Wt** 1000 mL

Compound	Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
Phenol	< 5.00	µg/L		5.00	1	05/12/10 21:55	NFP	44644
Pyrene	< 2.00	µg/L		2.00	1	05/12/10 21:55	NFP	44644
1,2,4-Trichlorobenzene	< 5.00	µg/L		5.00	1	05/12/10 21:55	NFP	44644
2,4,6-Trichlorophenol	< 5.00	µg/L		5.00	1	05/12/10 21:55	NFP	44644
Surrogate: Nitrobenzene-d5		70 %	Limits:	29-110	1	05/12/10 21:55	NFP	44644
Surrogate: 2-Fluorobiphenyl		77 %	Limits:	38-107	1	05/12/10 21:55	NFP	44644
Surrogate: 4-Terphenyl-d14		87 %	Limits:	33-122	1	05/12/10 21:55	NFP	44644
Surrogate: Phenol-d6		33 %	Limits:	7-58	1	05/12/10 21:55	NFP	44644
Surrogate: 2,4,6-Tribromophenol		100 %	Limits:	16-138	1	05/12/10 21:55	NFP	44644
Surrogate: 2-Fluorophenol		42 %	Limits:	8-88	1	05/12/10 21:55	NFP	44644

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
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Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

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Cooler Receipt Form

Customer Number: **07154**
Customer Name: **Roach Conveyors**
Report Number: **10-131-0200**

Shipping Method

○ FedEx ○ UPS ○ US Postal ● Client ○ LMP ○ Courier ○ Other:

Shipping container/cooler uncompromised?	● Yes	○ No	○ Not Present
Custody seals intact on shipping container/cooler?	○ Yes	○ No	● Not Required
Custody seals intact on sample bottles?	○ Yes	○ No	● Not Required
Chain of Custody present?	● Yes	○ No	
COC agrees with sample labels?	● Yes	○ No	
Samples in proper containers?	● Yes	○ No	
Sample containers intact?	● Yes	○ No	
Sufficient sample volume for indicated tests?	● Yes	○ No	
All samples received within holding time?	● Yes	○ No	
Container temperature in compliance?	● Yes	○ No	
Water - VOA vials free of headspace?	○ Yes	○ No	● N/A
Water - Preservation acceptable upon receipt?	● Yes	○ No	○ N/A
Samples screened for radioactivity (COE only)?	○ Yes	○ No	● N/A
Special precautions or instructions included?	○ Yes	● No	

Comments:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature: Randy Thomas

Date & Time: 05/11/2010 07:35:20

Environmental Testing & Consulting, Inc. Chain of Custody

Page 1 of 1

1005150

Roach Convevors 10-131-0200 07154 2010-05-11 7:35:03

Client Name	Client Project Manager/Contact	Phone #
Roach Manufacturing Corp.	Dr. Rick Clifft Sherri Tribble	870-275-2676 870-483-7631

Project/ Site Location	email Address
Trumann, Arkansas	rclifft@astate.edu

Project Number	FID.#	Purchase Order Number
—	—	—

Type of Event: Single Daily Weekly Monthly Quarterly (Semi-Annual)

Method of Shipment: personal delivery

- [ ] NPDES
- [x] Wastewater
- [ ] UST
- [ ] Other Program

- [ ] RUSH - Additional charges apply.

The following require a Statement of Work

- [x] Special Report Requirements
- [ ] Special Detection Limit(s)
- [ ] Special Method Requirements

Environmental Testing & Consulting, Inc.
2790 Whitten Road
Memphis, TN 38133
(901) 213-2400 (phone)
(901) 213-2440 (fax)
www.etcmemphis.com

ACCREDITED IN ACCORDANCE WITH NELAP

Date:	Time:	Sample Identification:	Number of Containers	Matrix	(G)rab or (C)omposite	Metals - Cd, Cr, Pb, Ni, As & Zn	Total Cyanide	TTO - SVOC, Pest, PCB	TTO - VOC	Metals - Cu, Ni and Zn						
5/10/10	1:15 pm	Stage 4 - Rinse	2	WW	C	X	X									
5/10/10	see labels	Stage 4 - Rinse	4	WW	G			X	Composite in lab before analysis - see labels for							
5/10/10	see labels	Stage 4 - Rinse	8	WW	G				X	"	"	"	"		- fractions	
5/10/10	12:45 pm	Stage 1 & 2 - wash	2	WW	C	X	X									
5/10/10	see labels 11:55A	Stage 1 - wash	3	WW	G			X	X	composite Stage 1 & 2 → 71% / 29%						
5/10/10	11:30AM	Stage 2 - wash	3	WW	G			X	X	composite Stage 1, 2 & 3 → 42%, 16%, 42%						
5/10/10	11:40AM	stage 3 - wash	3	WW	G	X			X							
5/10/10	11:45AM	City Water	1	DW	G					X						

Matrix: WW - Wastewater GW - Groundwater DW-Drinking Water S-Soil O-Oil L-Non aqueous liquid
Other: _____

Sampled by (Name/Affiliation): (Print): R. Clifft / Consultant

Client Remarks/Comments: Report results for Stage 4 - Rinse and City Water separate from other results.

For Laboratory Use Only

Ice	Cooler Temp.	Lab Comments
Y / N	Cooler	1 — 20.6 2 — 23.0 3 — 20.9 4 — 24.8

Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
	5/10/10	2:55p			
Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
Relinquished by: (SIGNATURE)	Date	Time	Received for lab by: (SIGNATURE)	Date	Time
				5.10.10	1455

SAFEGUARD Form No. 811-2/W09C9000080 12/09

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5/27/2010

Roach Conveyors
Ms. Sherri Tribble
808 Highway 463 North
Truman, AR, 72472

Ref: Analytical Testing
Report Number: 10-131-0201
Project Description: Semi-annual

Dear Ms. Sherri Tribble:

Environmental Testing and Consulting, Inc. received 3 sample(s) on 5/10/2010 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, instrumentation maintenance and calibration were performed in accordance with guidelines established by the USEPA and NELAP.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Randell H. Thomas

Randy Thomas
Project Manager

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07154
Roach Conveyors
Ms. Sherri Tribble
808 Highway 463 North
Truman , AR 72472

Project Information : Semi-annual

Report Date : 5/27/2010

Report Number : **10-131-0201**

REPORT OF ANALYSIS

Received : 5/10/2010

Lab No : **65310**
Sample ID : **Stage 1 & 2 - Wash**

Matrix: **Aqueous**
Sampled: **5/10/2010 12:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Silver	**0.230**	µg/L	0.100	1	05/18/10 13:08	SLH	EPA-200.8
Total Cadmium	<0.100	µg/L	0.100	1	05/18/10 13:08	SLH	EPA-200.8
Total Cyanide	<0.010	mg/L	0.010	1	05/19/10 09:30	GHD	SM-4500CNE
Total Chromium	**29.2**	µg/L	1.00	1	05/18/10 13:08	SLH	EPA-200.8
Total Copper	**216**	µg/L	0.500	1	05/18/10 13:08	SLH	EPA-200.8
Total Nickel	**42.5**	µg/L	0.500	1	05/18/10 13:08	SLH	EPA-200.8
Total Lead	**4.77**	µg/L	0.500	1	05/18/10 13:08	SLH	EPA-200.8
Total Zinc	**278**	µg/L	5.00	1	05/18/10 13:08	SLH	EPA-200.8

Lab No : **65312**
Sample ID : **Stage 3 - Wash**

Matrix: **Aqueous**
Sampled: **5/10/2010 12:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Silver	**1.07**	µg/L	1.00	1	05/18/10 13:08	SLH	EPA-200.8
Total Cadmium	<1.00	µg/L	1.00	1	05/18/10 13:08	SLH	EPA-200.8
Total Chromium	**71.8**	µg/L	10.0	1	05/18/10 13:08	SLH	EPA-200.8
Total Copper	**79.0**	µg/L	5.00	1	05/18/10 13:08	SLH	EPA-200.8
Total Nickel	**568**	µg/L	5.00	1	05/18/10 13:08	SLH	EPA-200.8
Total Lead	<5.00	µg/L	5.00	1	05/18/10 13:08	SLH	EPA-200.8
Total Zinc	**1460**	µg/L	50.0	1	05/18/10 13:08	SLH	EPA-200.8

Qualifiers/ Definitions
* Outside QC limit
MQL Method Quantitation Limit
DF Dilution Factor

CLIENT: Roach Conveyors
Project: Sem-annual
Lab Order Number: 10-131-0201

CASE NARRATIVE

Date: 05/24/10

ETCAL

Volatiles by Method 624
Laboratory Blank

The following analyte(s) was identified in one of the method blanks associated with these samples. The value in parentheses () indicates the 20x value. Per laboratory protocol, any associated sample result within 20 times these levels (20x value) is flagged "B" to indicate that it was detected in the method blank.
29485-LB
Methylene chloride 3.00 J ug/L (60.0 ug/L)

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"A Laboratory Management Partner"

Roach Conveyors
808 Highway 463 North
Truman, AR 72472

Project Description **Sem-annual**

Lab Order Number **10-131-0201**
Lab ID **1005151-001A**
Field ID **Stage 1, 2 & 3 - Wash**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 624

Prep Method 624 **Prep Batch** 29485 **Date/Time Prepped** 05/21/10 13:08
Default Vol/Wt 10 mL **Sample Vol/Wt** 10 mL

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acrolein	< 20.0	µg/L	20.0	1	05/21/10 18:47	LS	44719
Acrylonitrile	< 20.0	µg/L	20.0	1	05/21/10 18:47	LS	44719
Benzene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Bromodichloromethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Bromoform	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Bromomethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Carbon tetrachloride	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Chlorobenzene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Chlorodibromomethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Chloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
2-Chloroethyl vinyl ether	< 5.00 M	µg/L	5.00	1	05/21/10 18:47	LS	44719
Chloroform	**1.72**	**µg/L**	**1.00**	**1**	**05/21/10 18:47**	**LS**	**44719**
Chloromethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
1,2-Dichlorobenzene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
1,3-Dichlorobenzene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
1,4-Dichlorobenzene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
1,1-Dichloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
1,2-Dichloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
1,1-Dichloroethene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
trans-1,2-Dichloroethene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
1,2-Dichloropropane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
cis-1,3-Dichloropropene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
trans-1,3-Dichloropropene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Ethylbenzene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Methylene chloride	**11.4 B**	**µg/L**	**10.0**	**1**	**05/21/10 18:47**	**LS**	**44719**
Styrene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
1,1,1,2-Tetrachloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

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"A Laboratory Management Partner"

Roach Conveyors
808 Highway 463 North
Truman, AR 72472

Project Description **Sem-annual**

Lab Order Number **10-131-0201**
Lab ID **1005151-001A**
Field ID **Stage 1, 2 & 3 - Wash**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 624

Prep Method 624 **Prep Batch** 29485 **Date/Time Prepped** 05/21/10 13:08
Default Vol/Wt 10 mL **Sample Vol/Wt** 10 mL

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,1,2,2-Tetrachloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Tetrachloroethene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Toluene	< 5.00	µg/L	5.00	1	05/21/10 18:47	LS	44719
1,1,1-Trichloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
1,1,2-Trichloroethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Trichloroethene	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Trichlorofluoromethane	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Vinyl chloride	< 1.00	µg/L	1.00	1	05/21/10 18:47	LS	44719
Surrogate: Dibromofluoromethane		110 %	Limits: 70-128	1	05/21/10 18:47	LS	44719
Surrogate: Toluene-d8		113 %	Limits: 70-130	1	05/21/10 18:47	LS	44719
Surrogate: 4-Bromofluorobenzene		124 %	Limits: 71-131	1	05/21/10 18:47	LS	44719
Surrogate: 1,2-Dichloroethane-d4		110 %	Limits: 67-136	1	05/21/10 18:47	LS	44719

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

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Project Description **Sem-annual**

Lab Order Number **10-131-0201**
Lab ID **1005151-002A**
Field ID **Stage 1 & 2 - Wash**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 608

Prep Method 608 **Prep Batch** 29408 **Date/Time Prepped** 05/12/10 11:53
Default Vol/Wt 1000 Ml **Sample Vol/Wt** 750 Ml

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aroclor 1016	< 0.267	µg/L	0.267	1	05/15/10 1:48	MJ	44659
Aroclor 1221	< 0.267	µg/L	0.267	1	05/15/10 1:48	MJ	44659
Aroclor 1232	< 0.267	µg/L	0.267	1	05/15/10 1:48	MJ	44659
Aroclor 1242	< 0.267	µg/L	0.267	1	05/15/10 1:48	MJ	44659
Aroclor 1248	< 0.267	µg/L	0.267	1	05/15/10 1:48	MJ	44659
Aroclor 1254	< 0.267	µg/L	0.267	1	05/15/10 1:48	MJ	44659
Aroclor 1260	< 0.267	µg/L	0.267	1	05/15/10 1:48	MJ	44659
Surrogate: Decachlorobiphenyl		55 %	Limits: 36-116	1	05/15/10 1:48	MJ	44659
Surrogate: Tetrachloro-m-xylene		73 %	Limits: 25-123	1	05/15/10 1:48	MJ	44659

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

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Project Description **Sem-annual**

Lab Order Number **10-131-0201**
Lab ID **1005151-002A**
Field ID **Stage 1 & 2 - Wash**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 608

Prep Method 608 **Prep Batch** 29409 **Date/Time Prepped** 05/12/10 11:53
Default Vol/Wt 1000 ml **Sample Vol/Wt** 750 ml

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aldrin	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
alpha-BHC	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
beta-BHC	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
delta-BHC	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
gamma-BHC	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Chlordane	< 0.267	µg/L	0.267	10	05/17/10 18:49	MK	44692
4,4´-DDD	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
4,4´-DDE	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
4,4´-DDT	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Dieldrin	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Endosulfan I	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Endosulfan II	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Endosulfan sulfate	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Endrin	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Endrin aldehyde	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Endrin Ketone	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Heptachlor	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Heptachlor epoxide	< 0.0533	µg/L	0.0533	10	05/17/10 18:49	MK	44692
Toxaphene	< 0.400	µg/L	0.400	10	05/17/10 18:49	MK	44692
Surrogate: Decachlorobiphenyl		41 %	Limits: 36-116	10	05/17/10 18:49	MK	44692
Surrogate: Tetrachloro-m-xylene		58 %	Limits: 25-123	10	05/17/10 18:49	MK	44692

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

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Project Description **Sem-annual**

Lab Order Number **10-131-0201**
Lab ID **1005151-002A**
Field ID **Stage 1 & 2 - Wash**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 625

Prep Method 625 **Prep Batch** 29389 **Date/Time Prepped** 05/11/10 10:30
Default Vol/Wt 1000 mL **Sample Vol/Wt** 750 mL

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acenaphthene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Acenaphthylene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
alpha-Terpineol	< 1.33	µg/L	1.33	1	05/12/10 22:27	NFP	44644
Anthracene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Benzidine	< 26.7 M	µg/L	26.7	1	05/12/10 22:27	NFP	44644
Benzo(a)anthracene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Benzo(b)fluoranthene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Benzo(k)fluoranthene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Benzo(g,h,i)perylene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Benzo(a)pyrene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Bis(2-chloroethyl)ether	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Bis(2-chloroethoxy)methane	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Bis(2-chloroisopropyl)ether	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Bis(2-ethylhexyl)phthalate	**385**	**µg/L**	**133**	**10**	**05/13/10 17:42**	**NFP**	**44644**
4-Bromophenyl phenyl ether	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Butyl benzyl phthalate	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
4-Chloro-3-methylphenol	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
2-Chloronaphthalene	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
2-Chlorophenol	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
4-Chlorophenyl phenyl ether	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Chrysene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Dibenz(a,h)anthracene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
1,2-Dichlorobenzene	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
1,3-Dichlorobenzene	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
1,4-Dichlorobenzene	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Di-n-butyl phthalate	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
3,3'-Dichlorobenzidine	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

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Roach Conveyors
808 Highway 463 North
Truman, AR 72472

Project Description **Sem-annual**

Lab Order Number **10-131-0201**
Lab ID **1005151-002A**
Field ID **Stage 1 & 2 - Wash**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 625

Prep Method 625 **Prep Batch** 29389 **Date/Time Prepped** 05/11/10 10:30
Default Vol/Wt 1000 mL **Sample Vol/Wt** 750 mL

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2,4-Dichlorophenol	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Diethyl phthalate	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
2,4-Dimethylphenol	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Dimethyl phthalate	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
4,6-Dinitro-2-methylphenol	< 13.3	µg/L	13.3	1	05/12/10 22:27	NFP	44644
2,4-Dinitrophenol	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
2,4-Dinitrotoluene	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
2,6-Dinitrotoluene	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Di-n-octyl phthalate	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
1,2-Diphenylhydrazine/Azobenzene	**11.9**	**µg/L**	**6.67**	**1**	**05/12/10 22:27**	**NFP**	**44644**
Fluoranthene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Fluorene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Hexachlorobenzene	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Hexachlorobutadiene	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Hexachlorocyclopentadiene	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Hexachloroethane	< 6.67 M	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Indeno(1,2,3-cd)pyrene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Isophorone	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Naphthalene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644
Nitrobenzene	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
2-Nitrophenol	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
4-Nitrophenol	< 26.7	µg/L	26.7	1	05/12/10 22:27	NFP	44644
N-Nitrosodimethylamine	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
N-Nitrosodiphenylamine	< 13.3	µg/L	13.3	1	05/12/10 22:27	NFP	44644
N-Nitrosodi-n-propylamine	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Pentachlorophenol	< 6.67	µg/L	6.67	1	05/12/10 22:27	NFP	44644
Phenanthrene	< 2.67	µg/L	2.67	1	05/12/10 22:27	NFP	44644

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

Roach Conveyors
808 Highway 463 North
Truman, AR 72472

Project Description **Sem-annual**

Lab Order Number **10-131-0201**
Lab ID **1005151-002A**
Field ID **Stage 1 & 2 - Wash**

Report of Analysis

Received **05/10/10**
Matrix **Aqueous**
Sampled **05/10/10 0:00**

Analytical Method 625

Prep Method 625 **Prep Batch** 29389 **Date/Time Prepped** 05/11/10 10:30
Default Vol/Wt 1000 mL **Sample Vol/Wt** 750 mL

Compound	Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
Phenol	< 6.67	µg/L		6.67	1	05/12/10 22:27	NFP	44644
Pyrene	< 2.67	µg/L		2.67	1	05/12/10 22:27	NFP	44644
1,2,4-Trichlorobenzene	< 6.67	µg/L		6.67	1	05/12/10 22:27	NFP	44644
2,4,6-Trichlorophenol	< 6.67	µg/L		6.67	1	05/12/10 22:27	NFP	44644
Surrogate: Nitrobenzene-d5		54 %	Limits:	29-110	1	05/12/10 22:27	NFP	44644
Surrogate: 2-Fluorobiphenyl		64 %	Limits:	38-107	1	05/12/10 22:27	NFP	44644
Surrogate: 4-Terphenyl-d14		115 %	Limits:	33-122	1	05/12/10 22:27	NFP	44644
Surrogate: Phenol-d6		28 %	Limits:	7-58	1	05/12/10 22:27	NFP	44644
Surrogate: 2,4,6-Tribromophenol		90 %	Limits:	16-138	1	05/12/10 22:27	NFP	44644
Surrogate: 2-Fluorophenol		37 %	Limits:	8-88	1	05/12/10 22:27	NFP	44644

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/24/10 7154 ROACH_CONVEYORS

ETC
www.etcmemphis.com
ENVIRONMENTAL TESTING & CONSULTING, INC.
2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Cooler Receipt Form

Customer Number: **07154**
Customer Name: **Roach Conveyors**
Report Number: **10-131-0201**

Shipping Method

○ FedEx ○ UPS ○ US Postal ○ Client ● LMP ○ Courier ○ Other: _____

Shipping container/cooler uncompromised?	● Yes	○ No	○ Not Present
Custody seals intact on shipping container/cooler?	○ Yes	○ No	● Not Required
Custody seals intact on sample bottles?	○ Yes	○ No	● Not Required
Chain of Custody present?	● Yes	○ No	
COC agrees with sample labels?	● Yes	○ No	
Samples in proper containers?	● Yes	○ No	
Sample containers intact?	● Yes	○ No	
Sufficient sample volume for indicated tests?	● Yes	○ No	
All samples received within holding time?	● Yes	○ No	
Container temperature in compliance?	● Yes	○ No	
Water - VOA vials free of headspace?	● Yes	○ No	○ N/A
Water - Preservation acceptable upon receipt?	● Yes	○ No	○ N/A
Samples screened for radioactivity (COE only)?	○ Yes	○ No	● N/A
Special precautions or instructions included?	○ Yes	● No	

Comments:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature: Randy Thomas

Date & Time: 05/11/2010 07:44:51

Environmental Testing & Consulting, Inc. Chain of Custody

Page 1 of 1

1005151

10-131-0201
07154
2010-05-11
7:44:29
Roach Conveyors
Semi-annual

Client Name	Client Project Manager/Contact	Phone #
Roach Manufacturing Corp.	Dr. Rick Clifft Sherri Tribble	870-215-2676 870-483-7631
Project/ Site Location		**email Address**
Tramann, Arkansas		rclifft@astate.edu
Project Number	**FID #**	**Purchase Order Number**
—	—	—
Type of Event		**Method of Shipment**
Single Daily Weekly Monthly Quarterly (Semi-Annual)		personal delivery

- [ ] NPDES
- [x] Wastewater
- [ ] UST
- [ ] Other Program

- [ ] RUSH - Additional charges apply.
  The following require a Statement of Work
- [x] Special Report Requirements
- [ ] Special Detection Limit(s)
- [ ] Special Method Requirements

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Memphis, TN 38133
(901) 213-2400 (phone)
(901) 213-2440 (fax)
www.etcmemphis.com

ACCREDITED IN ACCORDANCE WITH NELAP

Date:	Time:	Sample Identification:	Number of Containers	Matrix	(G)rab or (C)omposite	Required Analysis: Metals - Cd, Cr, Cu, Pb, Ni, Ag & Zn	Total Cyanide	TTO - SVOC, Pest, PCB	TTO - VOC	Metals - Cu, Ni and Zn						
5/10/10	1:15 pm	Stage 4 - Rinse	2	WW	C	X	X									
5/10/10	See labels	Stage 4 - Rinse	4	WW	G			X	Composite in lab before analysis - see labels for							
5/10/10	See labels	Stage 4 - Rinse	8	WW	G				X	"	"	"	"	"	- fractions	
5/10/10	12:45pm	Stage 1 & 2 - wash	2	WW	C	X	X									
5/10/10	See labels 11:45A	Stage 1 - wash	3	WW	G			X	X	Composite Stage 1 & 2 → 71%				29%		
5/10/10	11:30AM	Stage 2 - wash	3	WW	G			X	X	Composite Stage 1, 2 & 3 → 42%				16%	42%	
5/10/10	11:40AM	Stage 3 - wash	3	WW	G	X			X							
5/10/10	11:45AM	City Water	1	DW	G					X						

Matrix
WW - Wastewater GW - Groundwater DW-Drinking Water S-Soil O-Oil L-Non aqueous liquid
Other: _____

Sampled by (Name/Affiliation): (Print): R. Clifft / consultant

Client Remarks/Comments: Report results for Stage 4 - Rinse and City water separate from other results.

For Laboratory Use Only

Ice	Cooler Temp	Lab Comments
Y / N	Expd	

Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
	5/10/10	2:55p			
Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
Relinquished by: (SIGNATURE)	Date	Time	Received for lab by: (SIGNATURE)	Date	Time
				5.10.10	1455

7005 1160 0003 8443 7210

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™

7005 1160 0003 8443 7210

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FROM

ROACH CONVEYORS

ROACH CONVEYORS
HWY 463 • TRUMANN, AR 72472-1310
TEL. 870-483-7631 • FAX 870-483-7049
Systems and Components

SHIP TO

MR. RUFUS J. TORRENCE
WATER DIVISION ENGINEER
ARKANSAS DEPT. OF ENVIRONMENTAL QUALITY
5301 NORTHSHORE DRIVE
NORTH LITTLE ROCK, AR 72118-5317