

Wilson, Tabatha

From: Gilliam, Allen
Sent: Tuesday, January 07, 2014 12:01 PM
To: jbrown@hmmusa.com; erowlett@hmmusa.com
Cc: Fuller, Kim; Wilson, Tabatha; marion jim shempert
Subject: AR0021971_Hino ARP001025 Dec 2013 semi annual Pretreatment report and ADEQ reply_20140107
Attachments: Hino Motors ARP001025 Dec. 2013 Semi Annual Pretreatment report.pdf
Follow Up Flag: Follow up
Flag Status: Flagged

Bo,

Hino Motors' December 2013 semi-annual report was electronically received, reviewed, deemed complete and compliant with the Federal Pretreatment reporting requirements in 40 CFR 403.12(e) and more specifically with the Metal Finishing standards in 40 CFR 433.17 with one caveat:

Compliance with the Metal Finishing total toxic organics (TTO) "maximum for any 1 day" standard of 2.13 mg/l cannot be determined since many of the toxic organics were "non-detects" (ND) at or greater than levels of 0.01 mg/l.

Per 40 CFR 403.11(e), "The term 'TTO' shall mean total toxic organics, which is the summation of all quantifiable values greater than .01 milligrams per liter for the following toxic organics..." A rough summation of the TTO NDs is near the regulatory level of 2.13 mg /l. This is not to say Hino is non-compliant with the TTO Metal Finishing standard. This is stated only to clarify compliance cannot be determined.

Thank you for your timely report.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

Ec: Jim Shempert, City of Marion, Utility Manager

E/NPDES/NPDES/Pretreatment/Reports

From: Jimmy Brown [<mailto:JBrown@HMMUSA.COM>]
Sent: Tuesday, December 31, 2013 2:44 PM
To: Gilliam, Allen
Cc: Edward Rowlett
Subject: RE: Dec. 2013 Semiannual report

Allen,

Attached is Hino's semi-annual pretreatment report.

Thank you,
Bo Brown
Manager
Production Maintenance
Hino Motors Mfg.
Cell-870-635-0400
Office-870-702-3021

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40 CFR 433

Use of this form is not an ADEQ requirement, but satisfies the reporting requirements in 40 CFR 403.12(e).

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS

Hino Motors Manufacturing USA LLC
 10 Hino Blvd.
 Marion, AR 72364

B. FACILITY & LOCATION ADDRESS

Hino Motors Manufacturing USA LLC
 100 Hino Blvd.
 Marion, AR 72364

C. FACILITY CONTACT:

TELEPHONE NUMBER:

e-mail:

(2) REPORTING PERIOD--FISCAL YEAR From

to

(Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE

July & December

B. PERIOD COVERED BY THIS REPORT

FROM: July

TO: December

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

- Electroplating
- Electroless Plating
- Anodizing
- Coating (conversion)
- Chemical Etching and Milling
- Printed Circuit Board Manufacture

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

*SEE 40CFR433.10(a) FOR THE 40 ANCILLARY OPERATIONS

B. CHANGES:

SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.

C. Number of Regular Employees at this Facility. 380

D. [Reserved]

(4) FLOW MEASUREMENT

INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY

Process	Average	Maximum	Type of Discharge*
Regulated (Core & Regulated (Cyanide)	6,044		Batch per 8 hours
' 403.6(e)			
' 403.6(e) Dilute			
Cooling Water			
Sanitary	20 gal. per person		Continuous
Total Flow to POTW	13,644		Continuous

*If batch discharged please list the period of time between each batch discharge. Do not normalize over that period for the average flow.

**"Unregulated" has a precise legal meaning; see 40CFR403.6(e).

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

- Neutralization
- Chemical Precipitation and Sedimentation
- Chromium Reduction
- Cyanide Destruction
- Other Filter Press
- None

B. COMMENTS ON TREATMENT SYSTEM

The regulated process waste is not mixed with sanitary waste at time of metering.

C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS OF THE EFFLUENT FROM ALL REGULATED PROCESSES--CORE & ANCILLARY--(AFTER TREATMENT, IF APPLICABLE). ATTACH THE LAB ANALYSIS WHICH SHOWS A MAXIMUM; TABULATE ALL THE ANALYTICAL DATA COLLECTED DURING THE REPORT PERIOD IN THE SPACE PROVIDED BELOW. ZERO CONCENTRATIONS ARE NOT ACCEPTABLE; LIST THE DETECTION LIMIT IF CONCENTRATION WAS BELOW DETECTION LIMIT.

40 CFR 433.17 Pollutant(mg/l) limits	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
Max for 1 day	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Avg	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<0.010	0.024	0.040	0.006	0.695	0.005	0.572	<0.010	Toxic organic scan attached
Avg Measured**									*

Sample Location Pretreatment Discharge Tank

Sample Type (Grab* or Composite) Grab

*If Grab, list # of grabs over what period of time

Number of Samples and Frequency Collected 6 Samples taken semi annual

40CFR136 Preservation and Analytical Methods Use: Yes No (include complete Chain of Custody)

*If a TOMP has been submitted and approved by ADEQ place N/A.

**A value here is the average of all samples taken during one (1) calendar month regardless of number of samples taken. If only one (1) sample is taken it must meet the monthly average limitation.

(6) CERTIFICATION

CHECK ONE: 433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED 433.12(a) TTO CERTIFICATION

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last semi-annual compliance report. I further certify that this facility is implementing the toxic organic management plan submitted to Arkansas Department of Environmental Quality.

(Typed/Printed Name)

(Corporate Officer or authorized representative signature)

Date of Signature

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS)
COUNTY OF _____)

Before me, the undersigned authority, on this day personally appeared _____ of _____, a corporation, known to me to be the person whose name is subscribed to the foregoing instrument(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this _____ day of _____, 200__.

Notary Public in and for _____
County, Arkansas

My commission expires _____.

(7) POLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]

1602 [42 U.S.C. 13101] Findings and Policy para (b) Policy.—The Congress hereby declares it to be the national policy of the United States that pollution should be prevented or reduced at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.

The User may list any new or ongoing Pollution Prevention practices including Best or Environmental Management Practices, Source Reduction, Waste Minimization, Lean Manufacturing, Water and/or Energy Conservation:

1. _____
2. _____
3. _____
4. _____
5. _____

(8) GENERAL COMMENTS

I certify under penalty of law that I have personally examined and am familiar with the information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Jimmy (Bo) Brown
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE


SIGNATURE

Maintenance Manager
OFFICIAL TITLE

12-18-2013
DATE SIGNED



ENVIRONMENTAL TESTING & CONSULTING, INC.

2790 Whitten Road

Memphis, Tennessee 38133

(901) 213-2400

Fax (901) 213-2440

"A Laboratory Management Partner"

2/3/2013

Hino Motor Manufacturing USA, Inc.
Mr. Jimmy Brown (Bo)
100 Hino Blvd
Marion, AR, 72364

Ref: Analytical Testing
ETC Report Number: 13-324-0238
Client Project Description: Wastewater
Project #03152013-A

Dear Mr. Jimmy Brown (Bo):

Environmental Testing and Consulting, Inc. received sample(s) on 11/20/2013 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

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

Sincerely,

Randy Thomas
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Alabama	#40750	Louisiana	#04015	VA NELAP	#460181	Texas	#T104704180-11-6	Arkansas	#88-0650
Mississippi		California	#09267CA	NC	#415	Oklahoma	#9311	Virginia	#00106
Kentucky	#90047	Tennessee	#TN02027	EPA	#TN00012	Kentucky UST	#41	Kansas	#E-10396





ENVIRONMENTAL TESTING & CONSULTING, INC.

www.etcmemphis.com

2790 Whitten Road

Memphis, Tennessee 38133

(901) 213-2400

Fax (901) 213-2440

"A Laboratory Management Partner"

1039

Hin Motor Manufacturing USA, Inc.

Mr. Jimmy Brown (Bo)

10 Chino Blvd

Maion, AR 72364

Project Wastewater
Information : Project #03152013-A

Report Date : 12/03/2013

Received : 11/20/2013

Randall H. Thomas

Reprt Number : 13-324-0238

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab lo : 89343

Matrix: Aqueous

Sample ID : C/W After

Sampled: 11/19/2013 21:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
TotalCyanide	<0.010	mg/L	0.010	1	11/21/13 09:45	EWB	4500-CN-E
TotalCadmium	<0.002	mg/L	0.002	1	11/22/13 19:46	BKN	EPA-200.7
TotalChromium	0.024	mg/L	0.005	1	11/22/13 19:46	BKN	EPA-200.7
TotalCopper	0.040	mg/L	0.005	1	11/22/13 19:46	BKN	EPA-200.7
TotalLead	<0.006	mg/L	0.006	1	11/22/13 19:46	BKN	EPA-200.7
TotalNickel	0.695	mg/L	0.005	1	11/22/13 19:46	BKN	EPA-200.7
TotalSilver	<0.005	mg/L	0.005	1	11/22/13 19:46	BKN	EPA-200.7
TotalZinc	0.572	mg/L	0.010	1	11/22/13 19:46	BKN	EPA-200.7

Qualifiers/ Definitions

* Outside QC limit
MQL Method Quantitation Limit

DF Dilution Factor



ENVIRONMENTAL TESTING & CONSULTING, INC.

www.etcmemphis.com

2790 Whitten Road

Memphis, Tennessee 38133

(901) 213-2400

Fax (901) 213-2440

"A Laboratory Management Partner"

1039

Hino Motor Manufacturing USA, Inc.

Mr. Jimmy Brown (Bo)

100 Hino Blvd

Marion, AR 72364

Project Wastewater
Information: Project #03152013-A

Report Date: 12/03/2013

Received: 11/20/2013

Randall H. Thomas

Report Number: 13-324-0238

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab ID: 89343

Matrix: Aqueous

Sample ID: C/W After

Sampled: 11/19/2013 21:00

Analytical Method: 608

Prep Method: EPA-608 (PREP)

Prep Batch(es): L182159

Date/Time Prepped: 11/20/2013 15:00:00

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Aldrin	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
alpha-BHC	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
beta-BHC	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
delta-BHC	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
Chlordane	<0.200	µg/L	0.200	10	11/21/13 23:02	VIC	L183122
4,4'-DDD	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
4,4'-DDE	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
4,4'-DDT	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
Dieldrin	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
Endosulfan I	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
Endosulfan II	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
Endosulfan Sulfate	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
Endrin	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
Endrin Aldehyde	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
gamma-BHC	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
Heptachlor	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
Heptachlor Epoxide	<0.0400	µg/L	0.0400	10	11/21/13 23:02	VIC	L183122
Toxaphene	<0.300	µg/L	0.300	10	11/21/13 23:02	VIC	L183122
Surrogate: Decachlorobiphenyl	54.9		Limits: 36-116%	10	11/21/13 23:02	VIC	L183122
Surrogate: Tetrachloro-m-xylene	35.2		Limits: 25-123%	10	11/21/13 23:02	VIC	L183122

Qualifiers/Definitions	*	Outside QC limit	DF	Dilution Factor
	I	Recovery out of range	ML	Method Quantitation Limit



ENVIRONMENTAL TESTING & CONSULTING, INC.

www.etcmemphis.com

2790 Whitten Road

Memphis, Tennessee 38133

(901) 213-2400

Fax (901) 213-2440

"A Laboratory Management Partner"

1039

Hind Motor Manufacturing USA, Inc.

Mr. Jimmy Brown (Bo)

1000ino Blvd

Marion, AR 72364

Project Wastewater
Information : Project #03152013-A

Report Date : 12/03/2013

Received : 11/20/2013

Randell H. Thomas

Rept Number : 13-324-0238

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab #: 89343

Matrix: Aqueous

Sample ID : C/W After

Sampled: 11/19/2013 21:00

Analytical Method: 624

Prep Method: EPA-624 (PREP)

Prep Batch(es): L182550

Date/Time Prepped: 11/23/2013 09:01:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acrolein	<200	µg/L	200	10	11/23/13 17:15	SEB	L182553
Acrylonitrile	<200	µg/L	200	10	11/23/13 17:15	SEB	L182553
Benzene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Bromodichloromethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Bromoform	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Bromomethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Carbo Tetrachloride	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Chloroenezene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Chlorodibromomethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Chloroethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
2-Chloroethylvinyl Ether	<50.0	µg/L	50.0	10	11/23/13 17:15	SEB	L182553
Chloroform	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Chloromethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
1,2-Dichlorobenzene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
1,3-Dichlorobenzene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
1,4-Dichlorobenzene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
1,1-Dichloroethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
1,2-Dichloroethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
1,1-Dichloroethene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
cis-1,2-Dichloroethene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
trans-1,2-Dichloroethene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
1,2-Dichloroethene (Total)	<10.0	µg/L	10.0	10	11/23/13 17:15		L182553

**Qualifiers/
Definitions**

* Outside QC limit
I Recovery out of range

DF Dilution Factor
MQL Method Quantitation Limit



ENVIRONMENTAL TESTING & CONSULTING, INC.

www.etcmemphis.com

2790 Whitten Road

Memphis, Tennessee 38133

(901) 213-2400

Fax (901) 213-2440

"A Laboratory Management Partner"

10349

Hiro Motor Manufacturing USA, Inc.

Mr. Jimmy Brown (Bo)

100 Hino Blvd

Marion, AR 72364

Project Wastewater
Information : Project #03152013-A

Report Date : 12/03/2013

Received : 11/20/2013

Randy H. Thomas

Report Number : 13-324-0238

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab No : 89343

Matrix: Aqueous

Sample ID : C/W After

Sampled: 11/19/2013 21:00

Analytical Method: 624

Prep Method: EPA-624 (PREP)

Prep Batch(es): L182550

Date/Time Prepped: 11/23/2013 09:01:00

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichloropropane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
cis-1,3-Dichloropropene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
trans-1,3-Dichloropropene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
1,3-Dichloropropene (Total)	<10.0	µg/L	10.0	10	11/23/13 17:15		L182553
Ethylbenzene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Methylene Chloride	<100	µg/L	100	10	11/23/13 17:15	SEB	L182553
1,1,1,2-Tetrachloroethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
1,1,2,2-Tetrachloroethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Tetrachloroethene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Toluene	<50.0	µg/L	50.0	10	11/23/13 17:15	SEB	L182553
1,1,1-Trichloroethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
1,1,2-Trichloroethane	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Trichloroethene	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Vinyl Chloride	<10.0	µg/L	10.0	10	11/23/13 17:15	SEB	L182553
Surrogate: 4-Bromofluorobenzene	80.2		Limits: 71-131%	10	11/23/13 17:15	SEB	L182553
Surrogate: Dibromofluoromethane	104		Limits: 70-128%	10	11/23/13 17:15	SEB	L182553
Surrogate: 1,2-Dichloroethane - d4	131		Limits: 67-136%	10	11/23/13 17:15	SEB	L182553
Surrogate: Toluene-d8	92.6		Limits: 70-130%	10	11/23/13 17:15	SEB	L182553

Qualifiers/ Definitions

*
I

Outside QC limit
Recovery out of range

DF
MQL

Dilution Factor
Method Quantitation Limit



ENVIRONMENTAL TESTING & CONSULTING, INC.

www.etcmemphis.com

2790 Whitten Road

Memphis, Tennessee 38133

(901) 213-2400

Fax (901) 213-2440

"A Laboratory Management Partner"

1039

Hino Motor Manufacturing USA, Inc.

Mr. Jimmy Brown (Bo)

10 Hino Blvd

Maion, AR 72364

Project Wastewater
Information: Project #03152013-A

Report Date: 12/03/2013

Received: 11/20/2013

Randy H. Thomas

Report Number: 13-324-0238

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab No: 89343

Matrix: Aqueous

Sample ID: C/W After

Sampled: 11/19/2013 21:00

Analytical Method: 625

Prep Method: 625

Prep Batch(es): L182262

Date/Time Prepped: 11/21/2013 11:00:00

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Aceraphthene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Aceraphthylene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Anthracene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Benzidine	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Benz(a)anthracene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Benz(a)pyrene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Benz(b)fluoranthene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Benz(g,h,i)perylene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Benz(k)fluoranthene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Bis(2-Chloroethoxy)methane	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Bis(2-Chloroethyl)ether	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Bis(2-Chloroisopropyl)ether	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Bis(2-ethylhexyl)phthalate	<106	µg/L	106	10	11/21/13 13:54	NFP	L182277
4-Bromophenyl phenyl ether	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Butyl benzyl phthalate	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
4-Chloro-3-methylphenol	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
2-Chloronaphthalene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
2-Chlorophenol	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
4-Chlorophenyl phenyl ether	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Chrysene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Dibenz(a,h)anthracene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
1,2-Dichlorobenzene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277

Qualifiers/ Definitions

*
I

Outside QC limit
Recovery out of range

DF
MQL

Dilution Factor
Method Quantitation Limit



ENVIRONMENTAL TESTING & CONSULTING, INC.

www.etcmemphis.com

2790 Whitten Road

Memphis, Tennessee 38133

(901) 213-2400

Fax (901) 213-2440

"A Laboratory Management Partner"

1039

Hino Motor Manufacturing USA, Inc.

Mr. Jimmy Brown (Bo)

100 Hino Blvd

Marion, AR 72364

Project Wastewater
Information: Project #03152013-A

Report Date: 12/03/2013

Received: 11/20/2013

Randell H. Thomas

Report Number: 13-324-0238

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab ID: 89343

Matrix: Aqueous

Sample ID: C/W After

Sampled: 11/19/2013 21:00

Analytical Method: 625

Prep Method: 625

Prep Batch(es): L182262

Date/Time Prepped: 11/21/2013 11:00:00

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
1,3-Dichlorobenzene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
1,4-Dichlorobenzene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
3,3'-Dichlorobenzidine	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
2,4-Dichlorophenol	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Diethyl phthalate	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Dimethyl phthalate	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
2,4-Dimethylphenol	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Di-n-butyl phthalate	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
4,6-Dinitro-2-methylphenol	<106	µg/L	106	10	11/21/13 13:54	NFP	L182277
2,4-Dinitrophenol	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
2,4-Dinitrotoluene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
2,6-Dinitrotoluene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Di-n-Octyl Phthalate	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
1,2-Diphenylhydrazine/Azobenzene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Fluoranthene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Fluorene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Hexachlorobenzene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Hexachlorobutadiene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Hexachlorocyclopentadiene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Hexachloroethane	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Indeno(1,2,3-cd)pyrene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Isophorone	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277

Qualifiers/Definitions

* Outside QC limit
I Recovery out of range

DF Dilution Factor
ML Method Quantitation Limit



ENVIRONMENTAL TESTING & CONSULTING, INC.

www.etcmemphis.com

2790 Whitten Road

Memphis, Tennessee 38133

(901) 213-2400

Fax (901) 213-2440

"A Laboratory Management Partner"

1039

Hin Motor Manufacturing USA, Inc.

Mr. Jimmy Brown (Bo)

1000ino Blvd

Marion, AR 72364

Project Wastewater
Information : Project #03152013-A

Report Date : 12/03/2013

Received : 11/20/2013

Randell H. Thomas

Rept Number : 13-324-0238

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab ID : 89343

Matrix: Aqueous

Sample ID : C/W After

Sampled: 11/19/2013 21:00

Analytical Method: 625

Prep Method: 625

Prep Batch(es): L182262

Date/Time Prepped: 11/21/2013 11:00:00

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Naphthalene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Nitrobenzene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
2-Nitrophenol	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
4-Nitrophenol	<213	µg/L	213	10	11/21/13 13:54	NFP	L182277
N-Nitrosodimethylamine	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
N-Nitrosodiphenylamine	<106	µg/L	106	10	11/21/13 13:54	NFP	L182277
N-Nitroso-di-n-propylamine	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Pentachlorophenol	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Phenanthrene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
Phenol	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Pyrene	<21.3	µg/L	21.3	10	11/21/13 13:54	NFP	L182277
1,2,4-Trichlorobenzene	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
2,4,6-Trichlorophenol	<53.2	µg/L	53.2	10	11/21/13 13:54	NFP	L182277
Surrogate: 2-Fluorobiphenyl	75.1		Limits: 38-107%	10	11/21/13 13:54	NFP	L182277
Surrogate: 2-Fluorophenol	44.0		Limits: 8-88%	10	11/21/13 13:54	NFP	L182277
Surrogate: Nitrobenzene-d5	59.2		Limits: 29-105%	10	11/21/13 13:54	NFP	L182277
Surrogate: Phenol-d6	35.5		Limits: 7-58%	10	11/21/13 13:54	NFP	L182277
Surrogate: 4-Terphenyl-d14	63.8		Limits: 30-130%	10	11/21/13 13:54	NFP	L182277
Surrogate: 2,4,6-Tribromophenol	77.5		Limits: 16-138%	10	11/21/13 13:54	NFP	L182277

Qualifiers/ Definitions

*
I

Outside QC limit
Recovery out of range

DF
MQL

Dilution Factor
Method Quantitation Limit



ENVIRONMENTAL TESTING & CONSULTING, INC.

www.etcmemphis.com

2790 Whitten Road

Memphis, Tennessee 38133

(901) 213-2400

Fax (901) 213-2440

"A Laboratory Management Partner"

10349

Hino Motor Manufacturing USA, Inc.

Mr. Jimmy Brown (Bo)

100 Hino Blvd

Marion, AR 72364

Project Wastewater
Information : Project #03152013-A

Report Date : 12/03/2013

Received : 11/20/2013

Randy H. Thomas

Report Number : 13-324-0238

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab No : 89343

Matrix: Aqueous

Sample ID : C/W After

Sampled: 11/19/2013 21:00

Analytical Method: EPA-608 (PCB)

Prep Method: EPA-608 (PCB Prep)

Prep Batch(es): L182160

Date/Time Prepped: 11/20/2013 15:00:00

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Arodor 1016	<0.200	µg/L	0.200	1	11/22/13 21:37	VIC	L183125
Arodor 1221	<0.200	µg/L	0.200	1	11/22/13 21:37	VIC	L183125
Arodor 1232	<0.200	µg/L	0.200	1	11/22/13 21:37	VIC	L183125
Arodor 1242	<0.200	µg/L	0.200	1	11/22/13 21:37	VIC	L183125
Arodor 1248	<0.200	µg/L	0.200	1	11/22/13 21:37	VIC	L183125
Arodor 1254	<0.200	µg/L	0.200	1	11/22/13 21:37	VIC	L183125
Arodor 1260	<0.200	µg/L	0.200	1	11/22/13 21:37	VIC	L183125
Surrogate: Decachlorobiphenyl	46.5		Limits: 25-125%	1	11/22/13 21:37	VIC	L183125
Surrogate: Tetrachloro-m-xylene	35.5		Limits: 25-125%	1	11/22/13 21:37	VIC	L183125

Qualifiers/ Definitions

*
I

Outside QC limit
Recovery out of range

DF
ML

Dilution Factor
Method Quantitation Limit

Cooler Receipt Form

Customer Number: **10349**

Customer Name: **Hino Motor Manufacturing USA, Inc.**

Report Number: **13-324-0238**

Shipping Method

Fed Ex UPS US Postal Client Lab Courier Other :

- Shipping container/cooler uncompromised? Yes No

- Custody seals intact on shipping container/cooler? Yes No Not Required

- Custody seals intact on sample bottles? Yes No Not Required

- Chain of Custody (COC) present? Yes No

- COC agrees with sample label(s)? Yes No

- COC properly completed Yes No

- Samples in proper containers? Yes No

- Sample containers intact? Yes No

- Sufficient sample volume for indicated test(s)? Yes No

- All samples received within holding time? Yes No

- Cooler temperature in compliance? Yes No

- Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun. Yes No

- Water - Sample containers properly preserved Yes No N/A

- Water - VOA vials free of headspace Yes No N/A

- Trip Blanks received with VOAs Yes No N/A

- Soil VOA method 5035 – compliance criteria met Yes No N/A

- High concentration container (48 hr) Low concentration EnCore samplers (48 hr)

- High concentration pre-weighed (methanol -14 d) Low conc pre-weighed vials (Sod Bis -14 d)

- Special precautions or instructions included? Yes No

Comments:

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

Signature:

Date & Time:



ENVIRONMENTAL TESTING & CONSULTING, INC.

2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440



Hino Motor Manufacturing USA, Inc.
Wastewater

13-324-0238
10349
11-20-2013
11:17:06

Hino Motor Manufacturing USA, Inc.		Customer Number	Telephone	RUSH	ICE		
Site Name		Project Comment		FID Number			
Project Coolant / Wash C/W After		Project Number	PO Number				
Project Manager / Contact		E-mail					
M. Jerry McPherson		jmcperson@hmmusa.com					
Sample ID	Container Type	Collected Date / Time	# Cont	Preservative	Grab / Comp	Matrix	Analyses
C/W After	Glass Vial Amber - 40ml	11/19/13	3	HCL - Hydrochloric Acid		Aqueous	624 - TTO- VOC
C/W After	Glass Amber - Liter	2100	2	Na2S2O3 - Sodium Thiosulfate		Aqueous	625, 608 - TTO- SVOC, PCB, Pesticides
C/W After	Plastic - Pint		1	NaOH - Sodium Hydroxide		Aqueous	CNT
C/W After	Plastic - Pint		1	HNO3 - Nitric Acid		Aqueous	Cd, Cr, Cu, Pb, Ni, Ag, Zn

Sampled By	Method of Shipment	Blank / Cooler	Remarks
Bob Brown	Client delivery	Temperature 0.2°C	
Relinquished By (sign)	Date / Time	Received By (sign)	Date / Time
Bob Brown	11-19-2013-1053		
Relinquished By (sign)	Date / Time	Received By (sign)	Date / Time
Relinquished By (sign)	Date / Time	Received by Lab (sign)	Date / Time
		BRB	11/20/13-1053