

# 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 and NPDES Pretreatment Tracking # ARP001025**

**A. LEGAL NAME & MAILING ADDRESS**  
 Hino Motors Manufacturing USA  
 100 Hino Blvd  
 Marion, AR 72364

**B. FACILITY & LOCATION ADDRESS**  
 Hino Motors Manufacturing USA  
 100 Hino Blvd  
 Marion, AR 72364

**C. FACILITY CONTACT:** Jerrel Moore

**TELEPHONE NUMBER:** 870-702-3094

**e-mail:** jerrel.moore@hmmusa.com

**(2) REPORTING PERIOD--FISCAL YEAR From to (Both Semi-Annual Reports must cover Fiscal Year)**

**A. MONTHS WHICH REPORTS ARE DUE**  
  
 June & December

**B. PERIOD COVERED BY THIS REPORT**  
  
**FROM:** January 2019      **TO:** June 2019

**(3) DESCRIPTION OF OPERATION**

**A. REGULATED PROCESSES**

**CORE PROCESS(ES)**

CHECK EACH APPLICABLE BLOCK

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

**ANCILLARY PROCESS(ES)\***

LIST BELOW EACH PROCESS USED IN THE FACILITY

N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*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.

**No changes since last report.**

**C. Number of Regular Employees at this Facility** 815

**D. [Reserved]** N/A

**(4) FLOW MEASUREMENT**

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

Process	Average	Maximum	Type of Discharge*
Regulated (Core & )	6,643.77		Month
Regulated (Cyanide)			
' 403.6(e) Unregulated*			
' 403.6(e) Dilute			
Cooling Water			
Sanitary	20 gal per person		Continuous
Total Flow to POTW	22,943.77		Continuous/Batch

\*If batch discharged please list the period of time of each batch discharge (300 gallons/day; 500 gallons/week, 2,000 gallons/3 months, etc Do not normalize over that period for the average flow.

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

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

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

B. COMMENTS ON TREATMENT SYSTEM

The regulated process waste is not mixed with Sanitary Waste at the 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	<0.002	<0.005	0.0096	<0.006	0.0612	<0.005	0.0965	<0.005	*
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 8 Samples taken semi-annual

40CFR136 Preservation and Analytical Methods Use: X 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 (ONLY IF A TOMP HAS BEEN SUBMITTED/APPROVED BY ADEQ)

B. CHECK ONE: ' 433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED ' 433.12(a) TTO CERTIFICATION PROVIDED

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 \_\_\_\_\_

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

*' 6602 [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. A Hino Motors Manufacturing Arkansas Plant Pollution Prevention Project to install an Oil and Water Separator project is currently in the process of being completed. The project will include treating the wastewater itself which includes free floating oil removal, equalization, and chemical pre-treatment, physical separation with a Dissolved Air Floatation (DAF) system. The DAF is widely used for separating solids, fats, oil, and grease from a waste stream. In the process, pressurized water is saturated with dissolved air and is discharged into a flotation vessel. The microscopic air bubbles attaches to solids and float them to the surface, forming a sludge blanket. A scraping assembly skims the sludge off the surface of the water and into a sump. From the sump, sludge is pumped to dewatering equipment. The treated water flows from the OAF vessel for discharge or on to other treatment processes. See attached for the new Oil and Water Separator flow

\_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

**(8) GENERAL COMMENTS**

**(9) SEMI-ANNUAL/PERIODIC REPORT CERTIFICATION STATEMENT REQUIRED UNDER 40 CFR 403.12(I)**

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.

Harold Johnson  
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

  
SIGNATURE

Senior Vice President

6/25/2019

OFFICIAL TITLE

DATE SIGNED



2790 Whitten Road, Memphis, TN 38133  
 Main 901.213.2400 ° Fax 901.213.2440  
 www.waypointanalytical.com

05140  
 Safety-Kleen  
 Mr. Tim Vandegriff  
 3536 Fite Road  
 Millington , TN 38053

Project Hino Semi-annual Testing  
 Information : FID: Mic  
 Project #HE18677

Report Date : 06/24/2019  
 Received : 06/12/2019

Report Number : 19-163-0290

**REPORT OF ANALYSIS**

Lab No : 96746  
 Sample ID : WW Effluent

Matrix: Aqueous  
 Sampled: 6/12/2019 9:51

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Cyanide, Total	<0.005	mg/L	0.005	1	06/21/19 12:10	EWB	4500CNE-2011
Cadmium	<0.0020	mg/L	0.0020	1	06/22/19 02:51	BKN	EPA-200.7
Chromium	<0.0050	mg/L	0.0050	1	06/22/19 02:51	BKN	EPA-200.7
Copper	<b>0.0096</b>	mg/L	0.0050	1	06/22/19 02:51	BKN	EPA-200.7
Lead	<0.0060	mg/L	0.0060	1	06/22/19 02:51	BKN	EPA-200.7
Nickel	<b>0.0612</b>	mg/L	0.0050	1	06/22/19 02:51	BKN	EPA-200.7
Silver	<0.0050	mg/L	0.0050	1	06/22/19 02:51	BKN	EPA-200.7
Zinc	<b>0.0965</b>	mg/L	0.0200	1	06/22/19 02:51	BKN	EPA-200.7

**Qualifiers/  
 Definitions**

\* Outside QC Limit  
 L Limit Exceeded

DF Dilution Factor  
 MQL Method Quantitation Limit



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Lab No : 96746  
 Sample ID : WW Effluent

Matrix: Aqueous  
 Sampled: 6/12/2019 9:51

Analytical Method: 608.3      Prep Batch(es): L441254    06/08/19 16:45  
 Prep Method: EPA-608.3 (PREP)

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aldrin	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
alpha-BHC	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
beta-BHC	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
delta-BHC	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
Chlordane	<0.200	µg/L	0.200	10	06/22/19 16:14	BMP	L441383
4,4'-DDD	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
4,4'-DDE	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
4,4'-DDT	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
Dieldrin	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
Endosulfan I	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
Endosulfan II	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
Endosulfan Sulfate	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
Endrin	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
Endrin Aldehyde	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
gamma-BHC	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
Heptachlor	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
Heptachlor Epoxide	<0.0400	µg/L	0.0400	10	06/22/19 16:14	BMP	L441383
Toxaphene	<0.300	µg/L	0.300	10	06/22/19 16:14	BMP	L441383
Surrogate: Decachlorobiphenyl		0 *	Limits: 36-116%	10	06/22/19 16:14	BMP	L441383
Surrogate: Tetrachloro-m-xylene		5.32 *	Limits: 25-123%	10	06/22/19 16:14	BMP	L441383

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

05140  
Safety-Kleen  
Mr. Tim Vandegriff  
3536 Fite Road  
Millington , TN 38053

Project Hino Semi-annual Testing  
Information : FID: Mic  
Project #HE18677

Report Date : 06/24/2019  
Received : 06/12/2019

Report Number : 19-163-0290

**REPORT OF ANALYSIS**

Lab No : 96746  
Sample ID : WW Effluent

Matrix: Aqueous  
Sampled: 6/12/2019 9:51

**Analytical Method:** 608.3 (PCB)      **Prep Batch(es):** L441251 06/10/19 16:45  
**Prep Method:** EPA-608.3 (PCB PREP)

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.200	µg/L	0.200	1	06/18/19 22:16	BMP	L441384
Aroclor 1221	<0.200	µg/L	0.200	1	06/18/19 22:16	BMP	L441384
Aroclor 1232	<0.200	µg/L	0.200	1	06/18/19 22:16	BMP	L441384
Aroclor 1242	<0.200	µg/L	0.200	1	06/18/19 22:16	BMP	L441384
Aroclor 1248	<0.200	µg/L	0.200	1	06/18/19 22:16	BMP	L441384
Aroclor 1254	<0.200	µg/L	0.200	1	06/18/19 22:16	BMP	L441384
Aroclor 1260	<0.200	µg/L	0.200	1	06/18/19 22:16	BMP	L441384
Surrogate: Decachlorobiphenyl	<b>8.30 *</b>		Limits: 25-125%	1	06/18/19 22:16	BMP	L441384
Surrogate: Tetrachloro-m-xylene	<b>9.37 *</b>		Limits: 25-125%	1	06/18/19 22:16	BMP	L441384

**Analytical Method:** 624.1      **Prep Batch(es):** L441166 06/17/19 08:05  
**Prep Method:** EPA-624.1 (PREP)

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acrolein	<200	µg/L	200	10	06/17/19 16:18	ELM	L441170
Acrylonitrile	<200	µg/L	200	10	06/17/19 16:18	ELM	L441170
Benzene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
Bromodichloromethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
Bromoform	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
Bromomethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
Carbon Tetrachloride	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
Chlorobenzene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
Chlorodibromomethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170

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

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 Millington , TN 38053

Project Hino Semi-annual Testing  
 Information : FID: Mic  
 Project #HE18677

Report Date : 06/24/2019  
 Received : 06/12/2019

Report Number : 19-163-0290

**REPORT OF ANALYSIS**

Lab No : 96746  
 Sample ID : WW Effluent

Matrix: Aqueous  
 Sampled: 6/12/2019 9:51

Analytical Method: 624.1      Prep Batch(es): L441166    06/17/19 08:05  
 Prep Method: EPA-624.1 (PREP)

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Chloroethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
2-Chloroethylvinyl Ether	<50.0	µg/L	50.0	10	06/17/19 16:18	ELM	L441170
Chloroform	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
Chloromethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
1,2-Dichlorobenzene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
1,3-Dichlorobenzene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
1,4-Dichlorobenzene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
1,1-Dichloroethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
1,2-Dichloroethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
1,1-Dichloroethene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
cis-1,2-Dichloroethene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
trans-1,2-Dichloroethene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
1,2-Dichloroethene (Total)	<10.0	µg/L	10.0	10	06/17/19 16:18		L441170
1,2-Dichloropropane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
cis-1,3-Dichloropropene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
trans-1,3-Dichloropropene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
1,3-Dichloropropene (Total)	<10.0	µg/L	10.0	10	06/17/19 16:18		L441170
Ethylbenzene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
Methylene Chloride	<100	µg/L	100	10	06/17/19 16:18	ELM	L441170
1,1,1,2-Tetrachloroethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
1,1,1,2,2-Tetrachloroethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170
Tetrachloroethene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170

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



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Lab No : 96746  
 Sample ID : WW Effluent

Matrix: Aqueous  
 Sampled: 6/12/2019 9:51

Analytical Method: 624.1		Prep Batch(es): L441166		06/17/19 08:05				
Prep Method: EPA-624.1 (PREP)								
Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch	
Toluene	<50.0	µg/L	50.0	10	06/17/19 16:18	ELM	L441170	
1,1,1-Trichloroethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170	
1,1,2-Trichloroethane	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170	
Trichloroethene	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170	
Vinyl Chloride	<10.0	µg/L	10.0	10	06/17/19 16:18	ELM	L441170	
Surrogate: 4-Bromofluorobenzene	105		Limits: 71-131%	10	06/17/19 16:18	ELM	L441170	
Surrogate: Dibromofluoromethane	102		Limits: 70-128%	10	06/17/19 16:18	ELM	L441170	
Surrogate: 1,2-Dichloroethane - d4	93.4		Limits: 67-136%	10	06/17/19 16:18	ELM	L441170	
Surrogate: Toluene-d8	97.8		Limits: 70-130%	10	06/17/19 16:18	ELM	L441170	
Analytical Method: 625 Screen		Prep Batch(es): L441668		06/20/19 16:20				
Prep Method: 625								
Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch	
Dioxin (2,3,7,8-TCDD) screen	<2.00	µg/L	2.00	10	06/21/19 09:16	ATF	L441902 ~	
Analytical Method: 625.1		Prep Batch(es): L441439		06/19/19 15:00				
Prep Method: 625.1								
Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch	
Acenaphthene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615	
Acenaphthylene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615	
Anthracene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615	
<b>Qualifiers/ Definitions</b>	*	Outside QC Limit		DF	Dilution Factor			
	MQL	Method Quantitation Limit						



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Report Number : 19-163-0290

**REPORT OF ANALYSIS**

Lab No : 96746  
 Sample ID : WW Effluent

Matrix: Aqueous  
 Sampled: 6/12/2019 9:51

Analytical Method: 625.1                      Prep Batch(es): L441439 06/19/19 15:00  
 Prep Method: 625.1

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzidine	<2000	µg/L	2000	10	06/19/19 19:03	BEB	L441615
Benzo(a)anthracene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Benzo(a)pyrene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Benzo(b)fluoranthene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Benzo(g,h,i)perylene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Benzo(k)fluoranthene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Bis(2-Chloroethoxy)methane	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Bis(2-Chloroethyl)ether	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Bis(2-Chloroisopropyl)ether	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Bis(2-ethylhexyl)phthalate	<1000	µg/L	1000	10	06/19/19 19:03	BEB	L441615
4-Bromophenyl phenyl ether	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Butyl benzyl phthalate	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
4-Chloro-3-methylphenol	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
2-Chloronaphthalene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
2-Chlorophenol	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
4-Chlorophenyl phenyl ether	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Chrysene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Dibenz(a,h)anthracene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
1,2-Dichlorobenzene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
1,3-Dichlorobenzene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
1,4-Dichlorobenzene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
3,3'-Dichlorobenzidine	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615

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



2790 Whitten Road, Memphis, TN 38133  
 Main 901.213.2400 ° Fax 901.213.2440  
 www.waypointanalytical.com

05140  
 Safety-Kleen  
 Mr. Tim Vandegriff  
 3536 Fite Road  
 Millington , TN 38053

Project Hino Semi-annual Testing  
 Information : FID: Mic  
 Project #HE18677

Report Date : 06/24/2019  
 Received : 06/12/2019

Report Number : 19-163-0290

**REPORT OF ANALYSIS**

Lab No : 96746  
 Sample ID : WW Effluent

Matrix: Aqueous  
 Sampled: 6/12/2019 9:51

Analytical Method: 625.1      Prep Batch(es): L441439 06/19/19 15:00  
 Prep Method: 625.1

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
2,4-Dichlorophenol	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Diethyl phthalate	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Dimethyl phthalate	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
2,4-Dimethylphenol	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Di-n-butyl phthalate	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
4,6-Dinitro-2-methylphenol	<1000	µg/L	1000	10	06/19/19 19:03	BEB	L441615
2,4-Dinitrophenol	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
2,4-Dinitrotoluene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
2,6-Dinitrotoluene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Di-n-Octyl Phthalate	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
1,2-Diphenylhydrazine/Azobenzene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Fluoranthene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Fluorene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Hexachlorobenzene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Hexachlorobutadiene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Hexachlorocyclopentadiene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Hexachloroethane	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Indeno(1,2,3-cd)pyrene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Isophorone	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Naphthalene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Nitrobenzene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
2-Nitrophenol	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615

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

05140  
Safety-Kleen  
Mr. Tim Vandegriff  
3536 Fite Road  
Millington , TN 38053

Project Hino Semi-annual Testing  
Information : FID: Mic  
Project #HE18677

Report Date : 06/24/2019  
Received : 06/12/2019

Report Number : **19-163-0290**

**REPORT OF ANALYSIS**

Lab No : **96746**  
Sample ID : **WW Effluent**

Matrix: **Aqueous**  
Sampled: **6/12/2019 9:51**

**Analytical Method:** 625.1      **Prep Batch(es):** L441439 06/19/19 15:00  
**Prep Method:** 625.1

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
4-Nitrophenol	<1000	µg/L	1000	10	06/19/19 19:03	BEB	L441615
N-Nitrosodimethylamine	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
N-Nitrosodiphenylamine	<1000	µg/L	1000	10	06/19/19 19:03	BEB	L441615
N-Nitroso-di-n-propylamine	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Pentachlorophenol	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Phenanthrene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
Phenol	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Pyrene	<200	µg/L	200	10	06/19/19 19:03	BEB	L441615
1,2,4-Trichlorobenzene	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
2,4,6-Trichlorophenol	<500	µg/L	500	10	06/19/19 19:03	BEB	L441615
Surrogate: 2-Fluorobiphenyl	52.5		Limits: 38-107%	10	06/19/19 19:03	BEB	L441615
Surrogate: 2-Fluorophenol	0 *		Limits: 8-88%	10	06/19/19 19:03	BEB	L441615
Surrogate: Nitrobenzene-d5	45.4		Limits: 29-105%	10	06/19/19 19:03	BEB	L441615
Surrogate: Phenol-d6	23.4		Limits: 7-58%	10	06/19/19 19:03	BEB	L441615
Surrogate: 4-Terphenyl-d14	113		Limits: 30-130%	10	06/19/19 19:03	BEB	L441615
Surrogate: 2,4,6-Tribromophenol	67.9		Limits: 16-138%	10	06/19/19 19:03	BEB	L441615

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

**Cooler Receipt Form**

Customer Number: **05140**  
Customer Name: **Safety-Kleen**  
Report Number: **19-163-0290**

**Shipping Method**

Fed Ex       US Postal       Lab       Other :   
 UPS       Client       Courier      Thermometer ID:

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water - Sample containers properly preserved	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Water - VOA vials free of headspace	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)	<input type="checkbox"/> Low concentration EnCore samplers (48 hr)		
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)	<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)		
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:

Kit ID:	0000118593
Initiated By:	Randy Thomas
Initiated Date:	6/10/2019
Project Comment	

CHAIN-OF-CUSTODY



Company Name Safety-Kleen	Company Number 05140	Client Project Manager/Contact Mr. Tim Vandegriff	Purchase Order Number 0000427029
Site Name Semi-annual	Project Number HC 186TT	<input type="checkbox"/> RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limits(s) Date Results Needed	Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client Drop Off Other
LIMS Project ID Safety-Kleen - Hino Semi-annual Testing	Project Manager Phone # 1-901-355-4908	Project Manager Email Tim.Vandegriff@safety-kleen.com	Site/Facility ID # MIL

Date	Time	Sample ID	Matrix	Grab/Comp	# of Cont	Container Type	Preservation	Analyses
<del>6/12/19</del>	<del>9:45</del>	Field pH =	Aqueous	G	0	NA	NONE	Field pH
6/12/19	9:49 AM	WW Effluent	Aqueous	G	3	Glass Vial Amber - 40ml	HCL - Hydrochloric Acid	624 - TTO - VOC
6/12/19	9:34 AM	WW Effluent	Aqueous	G	3	Glass Amber - Liter	Na2S2O3 - Sodium Thiosulfate	625, 608 - TTO - SVOC, PCB, Pesticides
6/12/19	9:45	WW Effluent	Aqueous	G	1	Glass Amber - Liter	NONE	625 - TTO - Dioxin Screen
6/12/19	9:48	WW Effluent	Aqueous	G	1	Plastic - Pint	NaOH - Sodium Hydroxide	4500CNE - CNT
6/12/19	9:46	WW Effluent	Aqueous	G	1	Plastic - Pint	HNO3 - Nitric Acid	200.7 - Cd, Cr, Cu, Pb, Ni, Ag, Zn

VOC vials w/ headspace. Analyze per Fed Test via email  
 Tim Vandegriff

For Laboratory Use Only			Sampled by (Name - Print)	Client Remarks/Comments			
Ice Y/N	Custody Seals Y/N	Lab Comments	Tim Vandegriff				
Blank/Cooler Temp T10 3.5°C			Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time	
				6/12 9:34			
			Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time	
			Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time	
						09:34 4.12.19	

6/24/2019

Safety-Kleen  
Mr. Tim Vandegriff  
3536 Fite Road  
Millington, TN, 38053

Ref: Analytical Testing  
Lab Report Number: 19-163-0290  
Client Project Description: Hino Semi-annual Testing  
FID: Mic  
Project #HE18677

Dear Mr. Tim Vandegriff:  
Waypoint Analytical, LLC. received sample(s) on 6/12/2019 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 (including 40 CFR 136 Method Update Rule August 2017) 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.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

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	Arkansas #88-0650
Mississippi	California #2904	NC #415	Oklahoma #9311	SC #84002
Kentucky #90047	Tennessee #TN02027	EPA #TN00012	Kentucky UST #80215	PA DEP #68-03195





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Client: Safety-Kleen  
Project: Hino Semi-annual Testing  
Lab Report Number: 19-163-0290  
Date: 6/24/2019

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**CASE NARRATIVE**

**Organochlorine Pesticides Method 608.3**

Sample 96746 (WW Effluent)

QC Batch No: L441383/L441254

Surrogate(s) were flagged for recoveries in the associated project sample. During the extraction step, the extraction technician noted that a significant emulsion formed. Batch QC samples (Method Blank and Laboratory Control Samples) all showed surrogate recoveries within QC limits, indicating that the low recoveries were due to the sample matrix.

**Organochlorine Pesticides and PCBs Method 608.3 (PCB)**

QC Batch No: L441384

Surrogate(s) were flagged for recoveries in the associated project sample. During the extraction step, the extraction technician noted that a significant emulsion formed. Batch QC samples (Method Blank and Laboratory Control Samples) all showed surrogate recoveries within QC limits, indicating that the low recoveries were due to the sample matrix.

**Volatile Organic Compounds - GC/MS Method 624.1**

QC Batch No: L441170/L441166

The sample was analyzed at a dilution due to the foamy nature of the matrix. Reporting limits have been adjusted accordingly.

**GC/MS Dioxin Screen Method 625 Method 625 Screen**

QC Batch No: L441902/L441668

The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.

**Semivolatile Organic Compounds - GC/MS Method 625.1**

QC Batch No: L441615/L441439

Sample requires dilution due to high levels of target and/or non-target analytes.

QC Batch No: L441615/L441439

Surrogate(s) were flagged for recoveries in the associated project sample. During the extraction step, the extraction technician noted that a significant emulsion formed. Batch QC samples (Method Blank and Laboratory Control Samples) all showed surrogate recoveries within QC limits, indicating that the low recoveries were due to the sample matrix.

**Extraction and Conc. for 625 Method 625.1**

QC Batch No: L441439/L441439

This sample extract was unable to be concentrated to the default method final volume. The final volume adjustment due to viscous extracts may result in surrogate recoveries below the minimum detectable concentration.



# Waste Water Discharge Record

Recordings	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday		Weekly Total		
	Date	Recording	Date	Recording	Date	Recording	Date	Recording	Date	Recording	Date	Recording	Date	Recording	Date	Recording	
Incoming Water Meter	6-10-19	416	6-11-19	427	6-12-19	430	6-13-19	432	6-14-19	435							19,000
		423		4,000		3,000		2,000		3,000							
Incoming Process Meter	6-10-19	1232	6-11-19	1239	6-12-19	1245	6-13-19	1250	6-14-19	1255							38,000
		15,000		7,000		6,000		5,000		5,000							
Discharge meter Pre shift recording	6-10-19	1482	6-11-19	1494	6-12-19	1501	6-13-19	1507	6-14-19	1513							[REDACTED]
		8.3		8.4		8.3		8.1		8.2							
Discharge meter Post shift recording	6-10-19	1494	6-11-19	1501	6-12-19	1507	6-13-19	1513	6-14-19	1519							37,000
		12,000		7,000		6,000		6,000		6,000							

Operator name: \_\_\_\_\_  
 Operator name: \_\_\_\_\_