

**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**

July & December

**B. PERIOD COVERED BY THIS REPORT**

**FROM:** July 2018

**TO:** December 2018

**(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

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**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.

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

**C. Number of Regular Employees at this Facility** 812

**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 & )	1,796.94		Month
Regulated (Cyanide)			
' 403.6(e) Unregulated*			
' 403.6(e) Dilute			
Cooling Water			
Sanitary	20 gal per person		Continuous
<b>Total Flow to POTW</b>	<b>18,036.94</b>		<b>Continuous/Batch</b>

\*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

- 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 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	0.0050	<0.006	0.115	<0.005	0.393	<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 7 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 (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 Flootation (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 / Plant Manager

OFFICIAL TITLE

1/04/2019

DATE SIGNED

1/3/2019

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

Ref: Analytical Testing  
Lab Report Number: 18-354-0321  
Client Project Description: Semi-annual  
Industrial Wastewater  
FID# MIL

Dear Mr. Tim Vandegriff:  
Waypoint Analytical, LLC. received sample(s) on 12/20/2018 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 May 2012) 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 #T104704180-11-6	Arkansas #88-0650
Mississippi	California #2904	NC #415	Oklahoma #9311	Virginia #00106
Kentucky #90047	Tennessee #TN02027	EPA #TN00012	Kentucky UST #41	



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Client: Safety-Kleen  
Project: Semi-annual  
Lab Report Number: 18-354-0321  
Date: 1/3/2019

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**CASE NARRATIVE**

**Organochlorine Pesticides Method 608.3**

Sample 99000 (Semi-annual Wastewater)

Analyte: Decachlorobiphenyl

QC Batch No: L414881/L414518

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.

Analyte: Tetrachloro-m-xylene

QC Batch No: L414881/L414518

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)**

Analyte: Decachlorobiphenyl

QC Batch No: L414884/L414517

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.

Analyte: Tetrachloro-m-xylene

QC Batch No: L414884/L414517

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: L415049/L415048

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

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

QC Batch No: L414860/L414684

Surrogate recovery(s) was flagged as outside QC limits due to high levels of target and/or non-target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Analyte: Benzidine

QC Batch No: L414860/L414684

Analyte was flagged for 0% recovery in the LCSD due to the result being below the MQL. The actual result was 8.48ug/L which calculates to a recovery of 16.9% which is within the acceptable recovery range.



2790 Whitten Road, Memphis, TN 38133  
Main 901.213.2400 ° Fax 901.213.2440  
[www.waypointanalytical.com](http://www.waypointanalytical.com)

QC Batch No: L414860/L414684

Analyte was flagged for 0% recovery in the LCS due to the result being below the MQL. The actual result was 6.37ug/L which calculates to a recovery of 12.7% which is within the acceptable recovery range.

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

Project : Semi-annual  
 Information : Industrial Wastewater  
 FID# MIL

Report Date : 01/03/2019  
 Received : 12/20/2018

Report Number : **18-354-0321**

**REPORT OF ANALYSIS**

Lab No : **99000**  
 Sample ID : **Semi-annual Wastewater**

Matrix: **Aqueous**  
 Sampled: **12/20/2018 12:16**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Cyanide, Total	<0.005	mg/L	0.005	1	01/02/19 11:01	CJR	4500CNE-2011
pH	<b>No Result</b>	s.u.		1	12/20/18 12:22	FLD	FIELD ~
Cadmium	<0.0020	mg/L	0.0020	1	12/26/18 23:53	KKM	EPA-200.7
Chromium	<0.0050	mg/L	0.0050	1	12/26/18 23:53	KKM	EPA-200.7
Copper	<0.0050	mg/L	0.0050	1	12/26/18 23:53	KKM	EPA-200.7
Lead	<0.0060	mg/L	0.0060	1	12/26/18 23:53	KKM	EPA-200.7
Nickel	<b>0.115</b>	mg/L	0.0050	1	12/26/18 23:53	KKM	EPA-200.7
Silver	<0.0050	mg/L	0.0050	1	12/26/18 23:53	KKM	EPA-200.7
Zinc	<b>0.393</b>	mg/L	0.0100	1	12/26/18 23:53	KKM	EPA-200.7

**Qualifiers/  
 Definitions**

\* Outside QC limit  
 MQL Method Quantitation Limit

DF Dilution Factor  
 Q RPD >40% dual column results



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 Information : Industrial Wastewater  
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Report Date : 01/03/2019  
 Received : 12/20/2018

Report Number : 18-354-0321

**REPORT OF ANALYSIS**

Lab No : 99000  
 Sample ID : Semi-annual Wastewater

Matrix: Aqueous  
 Sampled: 12/20/2018 12:16

Analytical Method: 608.3      Prep Batch(es): L414518 12/26/18 16:00  
 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	12/28/18 02:47	VIC	L414881
alpha-BHC	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
beta-BHC	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
delta-BHC	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
Chlordane	<0.200	µg/L	0.200	10	12/28/18 02:47	VIC	L414881
4,4'-DDD	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
4,4'-DDE	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
4,4'-DDT	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
Dieldrin	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
Endosulfan I	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
Endosulfan II	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
Endosulfan Sulfate	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
Endrin	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
Endrin Aldehyde	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
gamma-BHC	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
Heptachlor	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
Heptachlor Epoxide	<0.0400	µg/L	0.0400	10	12/28/18 02:47	VIC	L414881
Toxaphene	<0.300	µg/L	0.300	10	12/28/18 02:47	VIC	L414881
Surrogate: Decachlorobiphenyl	<b>2.67 *</b>		Limits: 36-116%	10	12/28/18 02:47	VIC	L414881
Surrogate: Tetrachloro-m-xylene	<b>10.3 *</b>		Limits: 25-123%	10	12/28/18 02:47	VIC	L414881

Qualifiers/Definitions	*	Outside QC limit	DF	Dilution Factor
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results

05140

Safety-Kleen

Mr. Tim Vandegriff

3536 Fite Road

Millington, TN 38053

Project : Semi-annual  
 Information : Industrial Wastewater  
 FID# MIL

Report Date : 01/03/2019

Received : 12/20/2018

Report Number : **18-354-0321**

**REPORT OF ANALYSIS**

Lab No : **99000**

Matrix: **Aqueous**

Sample ID : **Semi-annual Wastewater**

Sampled: **12/20/2018 12:16**

**Analytical Method:** 608.3 (PCB)      **Prep Batch(es):** L414517 12/26/18 16:00

**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	12/27/18 15:39	VIC	L414884
Aroclor 1221	<0.200	µg/L	0.200	1	12/27/18 15:39	VIC	L414884
Aroclor 1232	<0.200	µg/L	0.200	1	12/27/18 15:39	VIC	L414884
Aroclor 1242	<0.200	µg/L	0.200	1	12/27/18 15:39	VIC	L414884
Aroclor 1248	<0.200	µg/L	0.200	1	12/27/18 15:39	VIC	L414884
Aroclor 1254	<0.200	µg/L	0.200	1	12/27/18 15:39	VIC	L414884
Aroclor 1260	<0.200	µg/L	0.200	1	12/27/18 15:39	VIC	L414884
Surrogate: Decachlorobiphenyl	<b>7.46 *</b>		Limits: 25-125%	1	12/27/18 15:39	VIC	L414884
Surrogate: Tetrachloro-m-xylene	<b>8.92 *</b>		Limits: 25-125%	1	12/27/18 15:39	VIC	L414884

**Analytical Method:** 624.1      **Prep Batch(es):** L415048 12/29/18 08:41

**Prep Method:** EPA-624.1 (PREP)

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acrolein	<200	µg/L	200	10	12/29/18 16:04	ELM	L415049
Acrylonitrile	<200	µg/L	200	10	12/29/18 16:04	ELM	L415049
Benzene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Bromodichloromethane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Bromoform	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Bromomethane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Carbon Tetrachloride	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Chlorobenzene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Chlorodibromomethane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049

**Qualifiers/  
Definitions**

\* Outside QC limit  
 MQL Method Quantitation Limit  
 DF Dilution Factor  
 Q RPD >40% dual column results

05140

Safety-Kleen

Mr. Tim Vandegriff

3536 Fite Road

Millington , TN 38053

Project Semi-annual  
Information : Industrial Wastewater  
FID# MIL

Report Date : 01/03/2019

Received : 12/20/2018

Report Number : **18-354-0321**

**REPORT OF ANALYSIS**

Lab No : **99000**

Matrix: **Aqueous**

Sample ID : **Semi-annual Wastewater**

Sampled: **12/20/2018 12:16**

**Analytical Method:** 624.1 **Prep Batch(es):** L415048 12/29/18 08:41

**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	12/29/18 16:04	ELM	L415049
2-Chloroethylvinyl Ether	<50.0	µg/L	50.0	10	12/29/18 16:04	ELM	L415049
Chloroform	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Chloromethane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
1,2-Dichlorobenzene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
1,3-Dichlorobenzene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
1,4-Dichlorobenzene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
1,1-Dichloroethane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
1,2-Dichloroethane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
1,1-Dichloroethene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
cis-1,2-Dichloroethene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
trans-1,2-Dichloroethene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
1,2-Dichloroethene (Total)	<10.0	µg/L	10.0	10	12/29/18 16:04		L415049
1,2-Dichloropropane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
cis-1,3-Dichloropropene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
trans-1,3-Dichloropropene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
1,3-Dichloropropene (Total)	<10.0	µg/L	10.0	10	12/29/18 16:04		L415049
Ethylbenzene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Methylene Chloride	<100	µg/L	100	10	12/29/18 16:04	ELM	L415049
1,1,1,2-Tetrachloroethane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
1,1,2,2-Tetrachloroethane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Tetrachloroethene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049

**Qualifiers/  
Definitions**

\* Outside QC limit  
MQL Method Quantitation Limit

DF Dilution Factor  
Q RPD >40% dual column results

05140

Safety-Kleen

Mr. Tim Vandegriff

3536 Fite Road

Millington , TN 38053

Project : Semi-annual  
 Information : Industrial Wastewater  
 FID# MIL

Report Date : 01/03/2019

Received : 12/20/2018

Report Number : 18-354-0321

**REPORT OF ANALYSIS**

Lab No : 99000

Matrix: Aqueous

Sample ID : Semi-annual Wastewater

Sampled: 12/20/2018 12:16

**Analytical Method:** 624.1      **Prep Batch(es):** L415048    12/29/18 08:41  
**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	12/29/18 16:04	ELM	L415049
1,1,1-Trichloroethane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
1,1,2-Trichloroethane	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Trichloroethene	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Vinyl Chloride	<10.0	µg/L	10.0	10	12/29/18 16:04	ELM	L415049
Surrogate: 4-Bromofluorobenzene	118		Limits: 71-131%	10	12/29/18 16:04	ELM	L415049
Surrogate: Dibromofluoromethane	110		Limits: 70-128%	10	12/29/18 16:04	ELM	L415049
Surrogate: 1,2-Dichloroethane - d4	111		Limits: 67-136%	10	12/29/18 16:04	ELM	L415049
Surrogate: Toluene-d8	120		Limits: 70-130%	10	12/29/18 16:04	ELM	L415049

**Analytical Method:** 625 Screen      **Prep Batch(es):** L415211    01/02/19 09:30  
**Prep Method:** 625

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Dioxin (2,3,7,8-TCDD) screen	<1.00	µg/L	1.00	1	01/02/19 22:01	ATF	L415381 ~

**Analytical Method:** 625.1      **Prep Batch(es):** L414684    12/27/18 11:40  
**Prep Method:** 625.1

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Acenaphthylene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Anthracene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860

**Qualifiers/Definitions**  
 \* Outside QC limit      DF Dilution Factor  
 MQL Method Quantitation Limit      Q RPD >40% dual column results

05140

Safety-Kleen

Mr. Tim Vandegriff

3536 Fite Road

Millington , TN 38053

Project : Semi-annual  
 Information : Industrial Wastewater  
 FID# MIL

Report Date : 01/03/2019

Received : 12/20/2018

Report Number : 18-354-0321

**REPORT OF ANALYSIS**

Lab No : 99000

Matrix: Aqueous

Sample ID : Semi-annual Wastewater

Sampled: 12/20/2018 12:16

Analytical Method: 625.1      Prep Batch(es): L414684 12/27/18 11:40

Prep Method: 625.1

Test	Results	Units	MLQ	DF	Date / Time Analyzed	By	Analytical Batch
Benzidine	<20.0	µg/L	20.0	1	12/31/18 21:47	ATF	L414860
Benzo(a)anthracene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Benzo(a)pyrene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Benzo(b)fluoranthene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Benzo(g,h,i)perylene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Benzo(k)fluoranthene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Bis(2-Chloroethoxy)methane	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Bis(2-Chloroethyl)ether	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Bis(2-Chloroisopropyl)ether	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Bis(2-ethylhexyl)phthalate	<10.0	µg/L	10.0	1	12/31/18 21:47	ATF	L414860
4-Bromophenyl phenyl ether	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Butyl benzyl phthalate	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
4-Chloro-3-methylphenol	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
2-Chloronaphthalene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
2-Chlorophenol	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
4-Chlorophenyl phenyl ether	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Chrysene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Dibenz(a,h)anthracene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
1,2-Dichlorobenzene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
1,3-Dichlorobenzene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
1,4-Dichlorobenzene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
3,3'-Dichlorobenzidine	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860

**Qualifiers/ Definitions**      \* MQL      Outside QC limit Method Quantitation Limit      DF Q      Dilution Factor RPD >40% dual column results

05140

Safety-Kleen

Mr. Tim Vandegriff

3536 Fite Road

Millington , TN 38053

Project : Semi-annual  
Information : Industrial Wastewater  
FID# MIL

Report Date : 01/03/2019

Received : 12/20/2018

Report Number : **18-354-0321**

**REPORT OF ANALYSIS**

Lab No : **99000**

Matrix: **Aqueous**

Sample ID : **Semi-annual Wastewater**

Sampled: **12/20/2018 12:16**

**Analytical Method:** 625.1      **Prep Batch(es):** **L414684** 12/27/18 11:40  
**Prep Method:** 625.1

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
2,4-Dichlorophenol	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Diethyl phthalate	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Dimethyl phthalate	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
2,4-Dimethylphenol	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Di-n-butyl phthalate	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
4,6-Dinitro-2-methylphenol	<10.0	µg/L	10.0	1	12/31/18 21:47	ATF	L414860
2,4-Dinitrophenol	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
2,4-Dinitrotoluene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
2,6-Dinitrotoluene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Di-n-Octyl Phthalate	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
1,2-Diphenylhydrazine/Azobenzene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Fluoranthene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Fluorene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Hexachlorobenzene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Hexachlorobutadiene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Hexachlorocyclopentadiene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Hexachloroethane	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Indeno(1,2,3-cd)pyrene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Isophorone	<b>7.87</b>	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Naphthalene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Nitrobenzene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
2-Nitrophenol	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860

**Qualifiers/** \* Outside QC limit      DF Dilution Factor  
**Definitions**      MQL Method Quantitation Limit      Q RPD >40% dual column results

05140

Safety-Kleen

Mr. Tim Vandegriff

3536 Fite Road

Millington, TN 38053

Project : Semi-annual  
 Information : Industrial Wastewater  
 FID# MIL

Report Date : 01/03/2019

Received : 12/20/2018

Report Number : **18-354-0321**

**REPORT OF ANALYSIS**

Lab No : **99000**

Matrix: **Aqueous**

Sample ID : **Semi-annual Wastewater**

Sampled: **12/20/2018 12:16**

**Analytical Method:** 625.1      **Prep Batch(es):** L414684 12/27/18 11:40

**Prep Method:** 625.1

Test	Results	Units	MLQ	DF	Date / Time Analyzed	By	Analytical Batch
4-Nitrophenol	<10.0	µg/L	10.0	1	12/31/18 21:47	ATF	L414860
N-Nitrosodimethylamine	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
N-Nitrosodiphenylamine	<10.0	µg/L	10.0	1	12/31/18 21:47	ATF	L414860
N-Nitroso-di-n-propylamine	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Pentachlorophenol	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Phenanthrene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
Phenol	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Pyrene	<2.00	µg/L	2.00	1	12/31/18 21:47	ATF	L414860
1,2,4-Trichlorobenzene	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
2,4,6-Trichlorophenol	<5.00	µg/L	5.00	1	12/31/18 21:47	ATF	L414860
Surrogate: 2-Fluorobiphenyl	38.9		Limits: 38-107%	1	12/31/18 21:47	ATF	L414860
Surrogate: 2-Fluorophenol	0 *		Limits: 8-88%	1	12/31/18 21:47	ATF	L414860
Surrogate: Nitrobenzene-d5	42.9		Limits: 29-105%	1	12/31/18 21:47	ATF	L414860
Surrogate: Phenol-d6	0 *		Limits: 7-58%	1	12/31/18 21:47	ATF	L414860
Surrogate: 4-Terphenyl-d14	109		Limits: 30-130%	1	12/31/18 21:47	ATF	L414860
Surrogate: 2,4,6-Tribromophenol	42.1		Limits: 16-138%	1	12/31/18 21:47	ATF	L414860

**Qualifiers/  
Definitions**

\* Outside QC limit  
 MQL Method Quantitation Limit

DF Dilution Factor  
 Q RPD >40% dual column results

**Cooler Receipt Form**

Customer Number: **05140**

Customer Name: **Safety-Kleen**

Report Number: **18-354-0321**

**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:	0000107619
Initiated By:	Randy Thomas
Initiated Date:	12/20/2018
Project Comment	

### CHAIN-OF-CUSTODY



Safety-Kleen  
Semi-annual Testing

18-354-0321  
05140  
12-20-2018  
16:08:05

Company Name Safety-Kleen	Company Number 05140	Client Project Manager/Contact Mr. Tim Vandegriff	Purchase Order Number 0000 396 697
Site Name Semi-annual	Project Number Industrial WASTE WATER	<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 # 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
12/20/18	12:22 pm	Field pH =	Aqueous	G	0	NA	NONE	Field pH
12/20/18	12:30 pm	WW Effluent	Aqueous	G	3	Glass Vial Amber - 40ml	HCL - Hydrochloric Acid	624 - TTO- VOC *
12/20/18	12:20 pm 12:21 pm 12:29 pm	WW Effluent	Aqueous	G	3	Glass Amber - Liter	Na2S2O3 - Sodium Thiosulfate	625, 608 - TTO- SVOC, PCB, Pesticides
12/20/18	12:25 pm	WW Effluent	Aqueous	G	1	Glass Amber - Liter	NONE	625 - TTO - Dioxin Screen
12/20/18	12:16 pm	WW Effluent	Aqueous	G	1	Plastic - Pint	NaOH - Sodium Hydroxide	4500CNE - CNT
12/20/18	12:19 pm	WW Effluent	Aqueous	G	1	Plastic - Pint	HNO3 - Nitric Acid	200.7 - Cd, Cr, Cu, Pb, Ni, Ag, Zn

For Laboratory Use Only		Sampled by (Name - Print) Tim Vandegriff	Client Remarks/Comments Semi Annual				
Ice Y/N	Custody Seals Y/N	Relinquished by: (SIGNATURE) [Signature]	Date 12/20	Time 12:16	Received by: (SIGNATURE) [Signature]	Date 12/20/18	Time 13:50
Blank/Cooler Temp 3.0° T39		Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
		Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time

\* significant HS in all 3 vials  
 ↓  
 approval to analyze per project mgr Tim Vandegriff

# Waste Water Discharge Record

12-1-18 Thu 12-16-18 (No Run)

Recordings	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday		Weekly Totals
	Date	Recording	Date	Recording	Date	Recording	Date	Recording	Date	Recording	Date	Recording	Date	Recording	
Incoming Water Meter	127 (157)	29000	127	0	127	0	128	1000	128	0					
Incoming Process Meter	340 (333)	7000	342	2000	351	9000	357	6000	357	0				21,000	
Discharge meter Pre shift recording	601		601		601		605	6000	611	0				24,000	
Discharge meter Post shift recording	601	0	601	0	605	4000	611	6000	611	0				10,000	
PH Meter Neutralization Tank	8.6		8.8		7.2		8.7		8.6						

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

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

Make Good  
All claims and related goods MUST be accompanied

