From: Matthew King
To: Lancellotti, Romina
Subject: RE: Tropical Shipping Reports
Date: Wednesday, May 4, 2022 4:34:57 PM
Attachments: image003.png
image004.png
image005.png
image006.png
image009.png
image010.png
image011.png

It was good catching up with you today Romina! Going forward we will be managing the parts washer solvent as non-hazardous solid waste. We will also continue to act as a SQG for the time being. If anything changes I will let you know to ensure you are always kept in the loop.

Thanks for everything you do!

Matthew S. King CSP, SMS I Health, Safety & Environmental Manager I Tropical Shipping I 501 Avenue P I Riviera Beach, FL 33404
P: (561) 882-2556 I email: mking@tropical.com I **www.tropical.com**

Click to submit an Accident Prevention Item (API) – Nearmiss, Unsafe Act or Unsafe Condition.

From: Lancellotti, Romina <Romina.Lancellotti@FloridaDEP.gov>
Sent: Wednesday, May 4, 2022 3:49 PM
To: Matthew King <mking@tropical.com>
Subject: RE: Tropical Shipping Reports

Hi Matt,

Thank you for reaching out today. I just wanted to let you know that we received the analysis results, but we need some additional information please.

Could you please explain how are these going to be managed and disposed of? And based on these results, what is the current generator status of the facility?

Thank you and have a great day!

Romina Lancellotti
Environmental Specialist II
Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Romina.Lancellotti@floridadep.gov
Office: 561.681.6624

From: Matthew King <mking@tropical.com>
Sent: Friday, April 15, 2022 5:36 PM
To: Lancellotti, Romina <Romina.Lancellotti@FloridaDEP.gov>
Subject: FW: Tropical Shipping Reports

Romina,

Attached please find the TCLP results. We will manage accordingly going forward. Have a great weekend!

Matthew S. King CSP, SMS I Health, Safety & Environmental Manager I Tropical Shipping I 501 Avenue P I Riviera Beach, FL 33404
P: (561) 882-2556 I email: mking@tropical.com I **www.tropical.com**

Tropical SHIPPING | COMMITTED TO ISLANDLIFE

Click to submit an Accident Prevention Item (API) – Nearmiss, Unsafe Act or Unsafe Condition.

SEE IT SAY IT!

From: Heyns, Jared <jared.heyns@safety-kleen.com>
Sent: Friday, April 15, 2022 4:15 PM
To: Matthew King <mking@tropical.com>; Ryan Doyle <rdoyle@tropical.com>; Miguel Lourenco <MLourenco@tropical.com>
Subject: FW: Tropical Shipping Reports

Notice: This email originated from outside the TSC network.

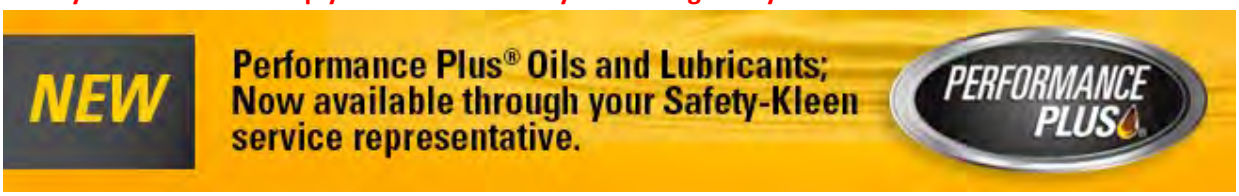
Good afternoon,

Please view the attached results from the TCLP samples. None of the parts washers were found to have hazardous contents; therefore, we can manage the solvent waste as non-hazardous moving forward. Please let me know if there are any questions.

Thanks,

Jared Heyns Account Manager – Florida | Safety-Kleen | A Clean Harbors Company | 5610 Alpha Dr, Boynton Beach, FL 33426 | jared.heyns@safety-kleen.com
561-810-7652 (c) I safety-kleen.com

If you haven't already setup your portal account, you can do so by going to https://myaccount.safety-kleen.com **and selecting "Create One". You will then be prompted to put in your account information. Once your account is setup you can immediately start using the system**



From: Fornoff, William L <fornoffb@cleanharbors.com>
Sent: Friday, April 15, 2022 3:50 PM

To: Heyns, Jared <jared.heyns@safety-kleen.com>
Subject: Tropical Shipping Reports

Jared,

Hello, attached are the reports. We did not find any RCRA TCLP metals to be hazardous. Please let me know if you have any questions and thanks for your business!

Bill

Safety Starts With Me. Live it 365!

Bill Fornoff
Director Laboratory
Clean Harbors Baltimore
1910 Russell Street
Baltimore, MD 21230
fornoffb@cleanharbors.com
443-829-9047

Dep Customer Survey

From: Matthew King
To: Lancellotti, Romina
Subject: FW: Tropical Shipping Reports
Date: Friday, April 15, 2022 5:36:05 PM
Attachments: image001.png
image002.png
image003.png
image005.png
image006.png
image007.png
image008.png
Tropical Shipping Crane Shop Parts Washer Solvent Report.pdf
Tropical Shipping Marine Department Parts Washer Solvent Report.pdf
Tropical Shipping Reefer Shop Parts Washer Solvent Report.pdf
Tropical Shipping Auto Maintenance Parts Washer Solvent Report.pdf
Tropical Shipping Container Chassis Parts Washer Solvent Report.pdf
2022-231_ECL220533_COC_(Tropical Shipping).pdf
2022-231_ECL220534_COC_(Tropical Shipping).pdf
2022-231_ECL220535_COC_(Tropical Shipping).pdf
2022-231_ECL220531_COC_(Tropical Shipping).pdf
2022-231_ECL220532_COC_(Tropical Shipping).pdf

Romina,

Attached please find the TCLP results. We will manage accordingly going forward. Have a great weekend!

Matthew S. King CSP, SMS I Health, Safety & Environmental Manager I Tropical Shipping I 501 Avenue P I Riviera Beach, FL 33404
P: (561) 882-2556 I email: mking@tropical.com I **www.tropical.com**

Click to submit an Accident Prevention Item (API) – Nearmiss, Unsafe Act or Unsafe Condition.

From: Heyns, Jared <jared.heyns@safety-kleen.com>
Sent: Friday, April 15, 2022 4:15 PM
To: Matthew King <mking@tropical.com>; Ryan Doyle <rdoyle@tropical.com>; Miguel Lourenco <MLourenco@tropical.com>

Subject: FW: Tropical Shipping Reports

Notice: This email originated from outside the TSC network.

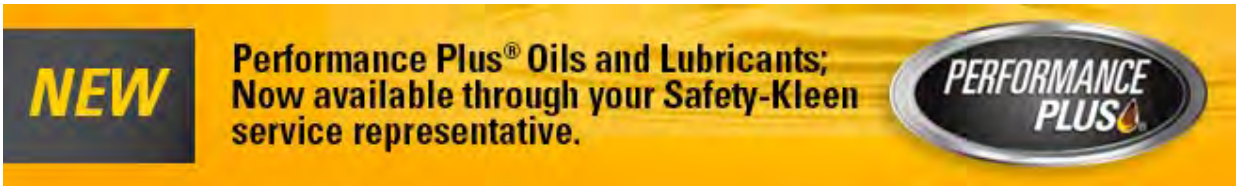
Good afternoon,

Please view the attached results from the TCLP samples. None of the parts washers were found to have hazardous contents; therefore, we can manage the solvent waste as non-hazardous moving forward. Please let me know if there are any questions.

Thanks,

Jared Heyns Account Manager – Florida | Safety-Kleen | A Clean Harbors Company | 5610 Alpha Dr, Boynton Beach, FL 33426 | jared.heyns@safety-kleen.com
561-810-7652 (c) | safety-kleen.com

If you haven't already setup your portal account, you can do so by going to https://myaccount.safety-kleen.com **and selecting "Create One". You will then be prompted to put in your account information. Once your account is setup you can immediately start using the system**



From: Fornoff, William L <fornoffb@cleanharbors.com>
Sent: Friday, April 15, 2022 3:50 PM
To: Heyns, Jared <jared.heyns@safety-kleen.com>
Subject: Tropical Shipping Reports

Jared,

Hello, attached are the reports. We did not find any RCRA TCLP metals to be hazardous. Please let me know if you have any questions and thanks for your business!

Bill

Safety Starts With Me. Live it 365!

Bill Fornoff
Director Laboratory
Clean Harbors Baltimore
1910 Russell Street
Baltimore, MD 21230
fornoffb@cleanharbors.com
443-829-9047

From: Matthew King
To: Lancellotti, Romina
Subject: RE: Safety-Kleen solvent SDS
Date: Friday, April 8, 2022 12:07:58 PM
Attachments: image003.png
image004.png
image005.png
image006.png
image008.png
image009.png
image010.png
image011.png

Thank you for your feedback! I'll share the results as soon as I get them. Til then, make your weekend an awesome one!

Matt

From: Lancellotti, Romina <Romina.Lancellotti@FloridaDEP.gov>
Sent: Friday, April 8, 2022 11:56 AM
To: Matthew King <mking@tropical.com>
Subject: RE: Safety-Kleen solvent SDS

Awesome! Thank you.

Well, he is right by saying it is up to the generator to make a proper waste determination according to 40 CFR 262.11. As discussed, please send me the results of the TCLP tests you requested and do some further investigation with the consulting company to determine if the spent solvent is hazardous or not (by being contaminated with other hazardous constituents). This definitely could impact Topical's generator status and future disposal and management of waste.

See the table below (also attached) with the maximum concentration of contaminants for the toxicity of the waste and EPA waste codes for your reference.

Maximum Concentration of Contaminants for the Toxicity Characteristic – Testing Methods

Contaminant	Regulatory Level (mg/L)	HWNo.	EPA Method
Arsenic	5.0	D004	6010
Barium	100.0	D005	6010
Cadmium	1.0	D006	6010
Chromium	5.0	D007	6010
Mercury	0.2	D009	7470
Lead	5.0	D008	6010
Selenium	1.0	D010	6010
Silver	5.0	D011	6010
o-Cresol	200.0	D023	8270
m-Cresol	200.0	D024	8270
p-Cresol	200.0	D025	8270
Cresol	200.0	D026	8270
2,4-Dinitrotoluene	0.13	D030	8270
Hexachlorobenzene	0.13	D032	8270
Hexachlorobutadiene	0.5	D033	8270
Hexachloroethane	3.0	D034	8270
Nitrobenzene	2.0	D036	8270
Pentachlorophenol	100.0	D037	8270
Pyridine	5.0	D038	8270
2,4,5-Trichlorophenol	400.0	D041	8270
2,4,6-Trichlorophenol	2.0	D042	8270
Benzene	0.5	D018	8260
Carbon Tetrachloride	0.5	D019	8260
Chlorobenzene	100.0	D021	8260
Chloroform	6.0	D022	8260
1,4-Dichlorobenzene	7.5	D027	8260
1,2-Dichloroethane	0.5	D028	8260
1,1-Dichloroethylene	0.7	D029	8260
Methyl Ethyl Ketone	200.0	D035	8260
Tetrachloroethylene	0.7	D039	8260
Trichloroethylene	0.5	D040	8260
Vinyl Chloride	0.2	D043	8260

Thank you for your diligences. Please let me know if you have any questions.

Have a great weekend!

Romina Lancellotti
Environmental Specialist II
Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Romina.Lancellotti@floridadep.gov
Office: 561.681.6624

From: Matthew King <mking@tropical.com>
Sent: Friday, April 8, 2022 11:39 AM
To: Lancellotti, Romina <Romina.Lancellotti@FloridaDEP.gov>
Subject: FW: Safety-Kleen solvent SDS

Romina,

Here is the response I received from Jared.

Matt

From: Heyns, Jared <jared.heyns@safety-kleen.com>
Sent: Friday, April 8, 2022 10:52 AM
To: Matthew King <mking@tropical.com>
Subject: RE: Safety-Kleen solvent SDS

Yes sir – that's correct. Safety-Kleen analyzes our spent solvent nationwide every year or two and a large portion of the solvent comes back with the D039 waste code (therefore some of our customers are pre-treating their parts before using the parts washer or adding other solvents into the units). So Safety-Kleen assigns the D039 waste code generically in order to over-classify just in case. It is up to the generator to TCLP their parts washer or sign the generator knowledge form (attached) stating that they are not using chlorinated solvents in the parts washers.

Let me know if there are further questions.

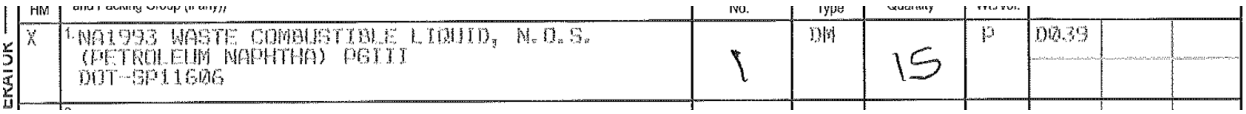
Thank you,

Jared Heyns Account Manager – Florida | Safety-Kleen | A Clean Harbors Company | 5610 Alpha Dr, Boynton Beach, FL 33426 | jared.heyns@safety-kleen.com
561-810-7652 (c) | safety-kleen.com

From: Matthew King <mking@tropical.com>
Sent: Friday, April 8, 2022 10:36 AM
To: Heyns, Jared <jared.heyns@safety-kleen.com>
Subject: RE: Safety-Kleen solvent SDS

Jared,

Just to verify – Tropical Shipping is using the product in the attached SDS for our solvent in the Safety Kleen that is not considered regulated. But the below snip it shows what it is being classified as (Perc) which is a very aggressive solvent. This is due to the fact that we did not sign a document stating we did not use any external products that mixed with the original, is this correct? I'm just trying to understand how the waste code D0039 came to be.



	HM	and Packing Group (if any))	No.	Type	Quantity	Wt/Vol.			
ERATOR	X	1.NA1993 WASTE COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA) PGIII DOT-SP11606	1	DM	15	P	D0039		

Thanks,

Matthew S. King CSP, SMS I Health, Safety & Environmental Manager I Tropical Shipping I 501 Avenue P I Riviera Beach, FL 33404
P: (561) 882-2556 I email: mking@tropical.com I www.tropical.com

Click to submit an Accident Prevention Item (API) – Nearmiss, Unsafe Act or Unsafe Condition.

From: Heyns, Jared <jared.heyns@safety-kleen.com>
Sent: Thursday, April 7, 2022 4:22 PM
To: Matthew King <mking@tropical.com>
Subject: Safety-Kleen solvent SDS

Notice: This email originated from outside the TSC network.

Matt,

Per our discussion, please find the solvent SDS attached. Call at any time if there are more questions/concerns.

Thanks,

Jared Heyns Account Manager – Florida | Safety-Kleen | A Clean Harbors Company | 5610 Alpha Dr, Boynton Beach, FL 33426 | jared.heyns@safety-kleen.com
561-810-7652 (c) I safety-kleen.com

From: Matthew King
To: Lapenlotti, Romina
Subject: FW: Safety-Kleen solvent SDS
Date: Friday, April 8, 2022 11:39:10 AM
Attachments: image001.png
image002.png
image003.png
image004.png
image006.png
image007.png
image008.png
image009.png
Solvent Generator Notification & Certification Form United States.pdf

---

Romina,

Here is the response I received from Jared.

Matt

From: Heyns, Jared <jared.heyns@safety-kleen.com>
Sent: Friday, April 8, 2022 10:52 AM
To: Matthew King <mking@tropical.com>
Subject: RE: Safety-Kleen solvent SDS

Notice: This email originated from outside the TSC network.

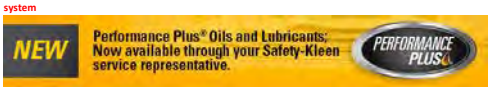
Yes sir – that's correct. Safety-Kleen analyzes our spent solvent nationwide every year or two and a large portion of the solvent comes back with the D039 waste code (therefore some of our customers are pre-treating their parts before using the parts washer or adding other solvents into the units). So Safety-Kleen assigns the D039 waste code generically in order to over-classify just in case. It is up to the generator to TCLP their parts washer or sign the generator knowledge form (attached) stating that they are not using chlorinated solvents in the parts washers.

Let me know if there are further questions.

Thank you,

Jared Heyns Account Manager – Florida | Safety-Kleen | A Clean Harbors Company | 5610 Alpha Dr, Boynton Beach, FL 33426 | jared.heyns@safety-kleen.com
561-810-7652 (c) | safety-kleen.com

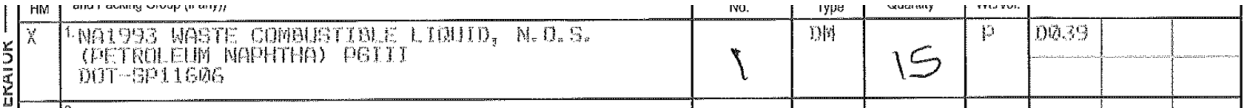
If you haven't already setup your portal account, you can do so by going to https://myaccount.safety-kleen.com and selecting "Create One". You will then be prompted to put in your account information. Once your account is setup you can immediately start using the system



From: Matthew King <mking@tropical.com>
Sent: Friday, April 8, 2022 10:36 AM
To: Heyns, Jared <jared.heyns@safety-kleen.com>
Subject: RE: Safety-Kleen solvent SDS

Jared,

Just to verify – Tropical Shipping is using the product in the attached SDS for our solvent in the Safety Kleen that is not considered regulated. But the below snip it shows what it is being classified as (Perc) which is a very aggressive solvent. This is due to the fact that we did not sign a document stating we did not use any external products that mixed with the original, is this correct? I'm just trying to understand how the waste code D0039 came to be.



	HM	and Packing Group (if any))	No.	Type	Quantity	Wt/Vol.			
GENERATOR	X	1.NA1993 WASTE COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA) PGIII DOT-SP11606	1	DM	15	P	D039		

Thanks,

Matthew S. King CSP, SMS I Health, Safety & Environmental Manager I Tropical Shipping I 501 Avenue P I Riviera Beach, FL 33404
P: (561) 882-2556 I email: mking@tropical.com I **www.tropical.com**

Tropical SHIPPING | COMMITTED TO ISLANDLIFE

Click to submit an Accident Prevention Item (API) – Nearmiss, Unsafe Act or Unsafe Condition.

SEE IT SAY IT!

From: Heyns, Jared <jared.heyns@safety-kleen.com>
Sent: Thursday, April 7, 2022 4:22 PM
To: Matthew King <mking@tropical.com>
Subject: Safety-Kleen solvent SDS

Notice: This email originated from outside the TSC network.

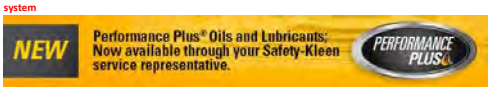
Matt,

Per our discussion, please find the solvent SDS attached. Call at any time if there are more questions/concerns.

Thanks,

Jared Heyns Account Manager – Florida | Safety-Kleen | A Clean Harbors Company | 5610 Alpha Dr, Boynton Beach, FL 33426 | jared.heyns@safety-kleen.com
561-810-7652 (c) | safety-kleen.com

If you haven't already setup your portal account, you can do so by going to https://myaccount.safety-kleen.com and selecting "Create One". You will then be prompted to put in your account information. Once your account is setup you can immediately start using the system



Solvent Generator Notification & Certification
U.S. Version

Customer (Shop) Name: _____ Customer #: _____

Customer Address: _____

Please check the parts washer solvent(s) used at this location.

__ MPC & 4 in 1 (Brake Cleaning Applications Only) __ Combo Cleaner __ Premium Solvent (150)
__ MIL-PRF-680 Type II __ MIL-PD-680 Type II __Q-Sol 300

Please complete a brief description of the application and location(s) of the Safety-Kleen parts washing unit(s) covered by this certification form. If there are multiple applications complete a separate form for each application. ►

All generators of the spent parts washer waste checked above must declare and certify to Safety-Kleen whether their parts washer waste is either non-hazardous or an EPA or state regulated hazardous waste by checking the appropriate box(s) below and by signing and dating this form. This form will be kept on file at Safety-Kleen and will be available to local, state, and federal regulatory agencies who may elect to confirm the certification made by the customer by sampling solvent from the customer's parts washer to determine if toxic constituents (such as aerosol solvents containing perchloroethylene or trichloroethylene) have been added.

NOTE: CHECK ONLY ONE BOX ❑ BELOW:

▼ Non-Hazardous Waste* ▼

❑ I certify that no other cleaning solvents (e.g., perchloroethylene) have been added into the parts washer solvent generated at this location either directly or by pre-treating parts with any other solvent degreasers (including aerosol sprays) prior to cleaning the parts in the parts washer. I am using "Generator Knowledge" to certify that this waste is non-hazardous under the federal waste classification regulations contained in 40 CFR Sections 261.20-35. I understand that if any other organic solvents are used to help clean or pre-clean parts that are then washed in the parts washer the solvent can become contaminated and would likely become an EPA regulated hazardous waste.

* **Note to Customer**: even though you have declared this waste to be non-hazardous it must still be managed in a manner that meets all local, state and federal laws and regulations.

▼ Hazardous Waste ▼ Generator EPA ID No.

❑ EPA RCRA Hazardous Waste - D039 I certify that the spent solvent generated at this location is an EPA regulated hazardous waste because perchloroethylene solvent from aerosol spray cans of brake or carburetor cleaner is used to pre-clean parts prior to final cleaning in the parts washer. I declare this waste to be regulated as EPA Waste Code: D039.

❑ Other EPA RCRA Hazardous Waste I certify that the spent solvent generated this location is an EPA regulated hazardous waste that has been characterized by either sampling and laboratory analysis or through generator knowledge to have these EPA Waste Codes:

❑ Non-RCRA State-Regulated Hazardous Waste I certify that the spent solvent generated at this location is only a state regulated hazardous waste because it meets one or more state-specific hazardous waste classification criteria. I further declare that no other cleaning solvents (e.g., perchloroethylene) have been added to the solvent generated at this location either directly or by pre-cleaning parts with any other solvent degreasers (including aerosol sprays) prior to cleaning the parts in the parts washer. I am using "Generator Knowledge" to certify that this waste is not hazardous under the federal waste classification regulations contained in 40 CFR Sections 261.20-35. I understand that if any other organic solvents are used to help clean or pre-clean parts that are then washed in the parts washer the solvent can become contaminated and would likely become an EPA regulated hazardous waste.

I hereby certify that the above information is both a true and accurate description of the spent solution/solvent generated at this location by this company. I also certify that I am an authorized representative of this company and am authorized to make this certification.

Print Name/Title: **Signature:**

Date:

SAMPLE CHAIN-OF-CUSTODY RECORD

2022 231

Ship Samples To:

Clean Harbors East Corporate Lab
1910 Russell Street
Baltimore, MD 21203
Attn: Sample Receiving
Phone: 410-244-8200

ECL22 0531

Client Name Tropical Shipping | Sales Specialist Name Jared Heyns | Branch Name / Number 77 BSY

Client Contact Ryan Doyle | Sales Specialist Phone 561-810-7652 | Branch Address 5610 Alpha Dr. Boynton Beach FL 33436

Client Email rdoyle@tropical.com | Email Address jared.heyns@safety-kleen.com

COLLECTION INFORMATION

CHAS Assigned SAMPLE ID #	CLIENT SAMPLE IDENTIFICATION	DATE	TIME	DESCRIPTION OF SAMPLE	NO. OF CONTAINERS & SIZE	SIGNATURE OF COLLECTOR
1	Shop 2 Auto Maintenance	3/18/22	9:00 AM	parts washer solvent	1	

ANALYSIS REQUEST (PLACE CHECKS BY TESTS REQUIRED)

_____ Full TCLP + Characteristics (D001 - D043) (SPN 82109, 870813, 870812, 870814, 870815)
_____ Full TCLP (D004 - D043) (SPN 82109)
_____ Full TCLP Minus Pests & Herbs (SPN 82109)
_____ Flashpoint / Ignitabilty for D001 (SPN 870813)
_____ pH / Corrosivity for D002 (SPN 870812)
_____ Reactivity Screen (Cyanide/Sulfide) D003 (SPN 870814, SPN 870815)
✓ TCLP Metals Only (SPN 870805)
_____ TCLP Volatiles Only (SPN 870807)

_____ TCLP Semivoa Only - Aqueous or Solid (SPN 870808)
_____ TCLP Semivoa Only - Organics (SPN 870809)
_____ Solvent Screen (SPN 870813, 870806, 870807) (Includes Flashpoint, TCLP Metals & TCLP Volatiles)
_____ TCLP Pesticides (SPN 870810)
_____ TCLP Herbicides (SPN 870811)
_____ PCBs (including wipes) (SPN 870820)
_____ BTEX (SPN 870819)
_____ Heat of Combustion (BTU) (SPN 870822)
_____ % Water by Karl Fischer (SPN 870823)

_____ Total Organic Carbon (TOC) (SPN 870824)
_____ Oil and Grease (HEM) (SPN 870816)
_____ Total Petroleum Hydrocarbons (TPH) (SPN 870817)
_____ Total Organic Halogens (TOX) (SPN 870825)
_____ Gasoline Range Organics (GRO) (SPN 870828)
_____ Diesel Range Organics (DRO) (SPN 870829)
_____ Biochemical Oxygen Demand (BOD) (SPN 870826)
_____ Chemical Oxygen Demand (COD) (SPN 870827)
_____ Specific Gravity/Bulk Density (SPN 870818)
_____ Paint Filter (to determine if liquid or solid) (SPN 870821)

ADDITIONAL TESTING REQUESTS:

SAMPLE TRANSFER RECORD

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				3/23/2022	10:00

LAB USE ONLY

TEMPERATURE WHEN RECEIVED 21.5 °C

SAMPLE KIT OPENED AND CHECKED IN BY Ive Gaines AT 10:00 ON 3/23/2022

Clean Harbors Analytical Services
Laboratory Test Report

Report ID

ECL - 2022041509400531

SAMPLE

ıto Maintenance Parts Washer Solvɛ

Project: Safety Kleen Boynton Beach : Jared Heyns

Tropical Shipping

Contact: Safety Kleen Boynton Beach
5610 Alpha Drive
Boynton Beach
FL 33426

The laboratory performing the analytical testing is listed below. Samples are tested in "as-received" condition, and the test results relate only to the sample listed above. The laboratory certifies that the generation of all the results contained here-in was performed minimally meeting the quality system of ISO/IEC 17025:2017 and is in compliance with the listed analytical method, except as otherwise noted within this report. New York NELAP laboratory ID # 12140.

Page numbers and total number of pages are listed on the bottom of each page. Because each page contains information to the sample in-which any part may be significantly relevant to the other parts of this report; this report shall not be reproduced, except in full, without the written approval of the laboratory's management. Reproduction of this report of any kind, except in full, shall invalidate this report's laboratory approval and all data contained therein.

DATA QUALIFIERS:
Data qualifiers may be utilized when reporting test results as an aid to understanding laboratory method limitations. Data qualifications may be in the form of either a report narrative or/and flagged test results. Data qualifier flag definitions are located on the last page of this report. Holding Time and Preservation recommendation excursions will be narrated within the individual test group or on page 2 of this report.

QUESTIONS AND OPINIONS
Questions regarding this report may be made by contacting the Laboratory Director/Manager or your Project Manager.

Approving Authority: _____
April 15, 2022

Client ID: Auto Maintenance Parts Washer S **Lab ID:** ECL220531 **SDG:** ECL2022-231

Sample Receipt Report

Sampled Date: 3/18/2022 **Received By:** gainesi1

Received Date: 3/25/2022

Shipping Container Condition: Good

Chain of Custody Record Present: Yes

COC Complete: Yes

Custody Seals Present: Yes *(on sample or on shipping container)*

Custody Seals Intact: Yes

Sample Container Condition: Good

Proper Sample Container: Yes

Sample Label Present: Yes

Sample Label Complete and Matches COC: Yes

Sample Received On Ice: No

Temperature: 21.5 deg. C **Thermometer ID:** ECL0003-2-18

Chemically Preserved: No *(documentation review, physical check performed during sample prep if required)*

Within Holding Time: Yes

Sample Receipt Comments: Samples are analyzed on an ‘as received’ basis. Sample conditions upon arrival such as temperatures and headspace may not be optimal. Deviations from optimal sample conditions, as described by the EPA in SW-846, will be communicated to the customer. Any pH testing done at our lab is outside the bounds of optimal testing; within 15 minutes of the sample being taken.
Sample Collection: 3/18/22 0900
Sample Receipt: 3/25/22 1000

Client ID: Auto Maintenance Parts Washer So **Lab ID:** ECL220531 **SDG:** ECL2022-231

Sample Case Narrative

With any exceptions noted as flags and/or narratives detailed below on this page, standard analytical protocols were followed in the preparation and analysis and no problems related to the reported end test results were encountered or anomalies observed. The sample was analyzed with the intent to achieve a lower limit of Limit of Quantitation (LOQ) sufficient to meet the needs of the intended purpose of the test as understood by the laboratory. In some cases, either due to matrix interference or analytes present at high concentrations, samples may be diluted. For diluted samples or for samples that were received with insufficient amount, the reporting limits (RL) and LOQ are adjusted relative to the dilution volume.

All EPA recommended holding times specified in SW-846 Chapters 3 and 4 were met unless otherwise detailed in the individual sections below.

SAMPLE RECEIPT
The laboratory reports test results in as-received condition. The condition of this sample at time of receipt is detailed in the Sample Receipt Report located on page 2 of this report.

SAMPLE ANALYSIS
As related to the final reported values in this test report, all method and laboratory established quality control criteria were met except as detailed below. If no anomalies are listed it can be assumed that all quality control criteria related to the values presented were in control.

The laboratory establishes limits for sample quality control checks (matrix spike and surrogates) from the laboratory's control samples (LCSs) which utilize a clean control matrix. This allows the user to assess differences between analyte precision and bias in their sample against limits established from a known laboratory control.

EPA-6020

OCER220565	Instrument Calibration Verification
	Both bracketing CCVs for Ba recovered out of control limits, low. LCS recovered within control limits.

Clean Harbors Analytical Services
Laboratory Test Report

Client ID: Auto Maintenance Parts Washer So **Lab ID:** ECL220531 **SDG:** ECL2022-231

Metals TCLP ICP-MS - 40CFR261 (Full)
Test Method EPA-6020

Parameter	CAS	Qual	Result	LLOQ	RL	Test Units	Reg Limits
Arsenic (As)	7440-38-2		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Barium (Ba)	7440-39-3		ND	0.20	0.20	mg/L TCLP	100 mg/L TCLP
Cadmium (Cd)	7440-43-9		ND	0.20	0.20	mg/L TCLP	1.0 mg/L TCLP
Chromium (Cr)	7440-47-3		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Lead (Pb)	7439-92-1		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Mercury (Hg)	7439-97-6		ND	0.20	0.20	mg/L TCLP	0.20 mg/L TCLP
Selenium (Se)	7782-49-2		ND	0.20	0.20	mg/L TCLP	1.0 mg/L TCLP
Silver (Ag)	7440-22-4		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP

Prep Method: EPA-3005A

Test Analysis Date: 4/6/22

**** END OF TEST GROUP ****

Client ID: Auto Maintenance Parts Washer So **Lab ID:** ECL220531 **SDG:** ECL2022-231

REPORTING LIMITS AND ACRONYMS

RL Reporting Limit - The lowest level that the laboratory reports down to for that specific test parameter/method combination. The RL is set to be at or above the method detection limit (MDL) as determined in a clean control matrix and is adjusted for dilutions. The RL will match the associated LLOQ if the MDL is not routinely verified. Under NELAP, routine MDL studies are only required when reporting a value below LLOQ. Values reported between the LLOQ and the RL are always considered estimated. RL is not applicable for some tests.

LLOQ Lower Limit of Quantitation - The lowest verified point that a value can be reported that is within a known level of confidence, adjusted for sample digestate/extract dilution. LOQ is not applicable for some tests.

REPORTING FLAGS

B Denotes a sample test result analyte that is above the RL was also found in the associated laboratory method blank at a concentration that was above the RL.

T Denotes that the reported analyte that is at or above the RL was only tentatively identified and not confirmed where the test method requires such confirmation be performed. This code is present because some data clients do not require the laboratory to perform the confirmation in order for the test result to be usable.

ND or < Analyte was not detected at or above the RL.

> Analyte was greater than the reported value.

J Estimated Value - Denotes that the reported analyte that is at or below the RL has an increased level of potential bias.

E Estimated Value - Denotes that a positive numeric value is an estimated value. Used when the reported value is greater than the highest instrument calibration point in the curve or above the instrument's verified upper linear dynamic range.

UJ RL and LLOQ Estimated - Denotes the RL and LOQ has an increased level of potential bias. Used in non-detect values as necessary.

NR Not Run - Denotes that the listed analyte was not run or was not reported.

SURROGATE LIMIT GENERATION

It is important to note that when surrogates are used as part of the test method, statistical control limits (when employed) are derived from the LCS results in an appropriate QC matrix (typically ottawa sand for solid matrix samples, reagent water for aqueous matrix samples, TCLP solution for TCLP extracts, and mineral oil for non-aqueous liquid concentrated waste samples). These limits therefore are representative of the process by which RL and LLOQ are established and verified. This allows the data user to assess matrix effects related to surrogate recovery against a known laboratory control.

**** END OF TEST REPORT ****

SAMPLE CHAIN-OF-CUSTODY RECORD

2022 231

Ship Samples To:

Clean Harbors East Corporate Lab
1910 Russell Street
Baltimore, MD 21203
Attn: Sample Receiving
Phone: 410-244-8200

ECL22 0532

Client Name Tropical Shipping | Sales Specialist Name Jared Heyns | Branch Name / Number 77 BSY

Client Contact Ryan Doyle | Sales Specialist Phone 561-810-7652 | Branch Address 5610 Alpha Dr. Boynton Beach FL 33426

Client Email rdoyle@tropical.com | Email Address jared.heyns@safety-kleen.com

COLLECTION INFORMATION

CHAS Assigned SAMPLE ID #	CLIENT SAMPLE IDENTIFICATION	DATE	TIME	DESCRIPTION OF SAMPLE	NO. OF CONTAINERS & SIZE	SIGNATURE OF COLLECTOR
2	Reefer Shop	3/18/22	9:00 AM	parts washer solvent	1	

ANALYSIS REQUEST (PLACE CHECKS BY TESTS REQUIRED)

_____ Full TCLP + Characteristics (D001 - D043) (SPN 82109, 870813, 870812, 870814, 870815)
_____ Full TCLP (D004 - D043) (SPN 82109)
_____ Full TCLP Minus Pests & Herbs (SPN 82109)
_____ Flashpoint / Ignitabilty for D001 (SPN 870813)
_____ pH / Corrosivity for D002 (SPN 870812)
_____ Reactivity Screen (Cyanide/Sulfide) D003 (SPN 870814, SPN 870815)
✓ TCLP Metals Only (SPN 870805)
_____ TCLP Volatiles Only (SPN 870807)

_____ TCLP Semivoa Only - Aqueous or Solid (SPN 870808)
_____ TCLP Semivoa Only - Organics (SPN 870809)
_____ Solvent Screen (SPN 870813, 870806, 870807) (Includes Flashpoint, TCLP Metals & TCLP Volatiles)
_____ TCLP Pesticides (SPN 870810)
_____ TCLP Herbicides (SPN 870811)
_____ PCBs (including wipes) (SPN 870820)
_____ BTEX (SPN 870819)
_____ Heat of Combustion (BTU) (SPN 870822)
_____ % Water by Karl Fischer (SPN 870823)

_____ Total Organic Carbon (TOC) (SPN 870824)
_____ Oil and Grease (HEM) (SPN 870816)
_____ Total Petroleum Hydrocarbons (TPH) (SPN 870817)
_____ Total Organic Halogens (TOX) (SPN 870825)
_____ Gasoline Range Organics (GRO) (SPN 870828)
_____ Diesel Range Organics (DRO) (SPN 870829)
_____ Biochemical Oxygen Demand (BOD) (SPN 870826)
_____ Chemical Oxygen Demand (COD) (SPN 870827)
_____ Specific Gravity/Bulk Density (SPN 870818)
_____ Paint Filter (to determine if liquid or solid) (SPN 870821)

ADDITIONAL TESTING REQUESTS:

SAMPLE TRANSFER RECORD

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				3/25/2022	10:00

LAB USE ONLY

TEMPERATURE WHEN RECEIVED 21.5 °C

SAMPLE KIT OPENED AND CHECKED IN BY Ive Gaines AT 10:00 ON 3/25/2022

Clean Harbors Analytical Services
Laboratory Test Report

Report ID

ECL - 2022041509320532

SAMPLE

Reefer Shop Parts Washer Solvent

Project: Safety Kleen Boynton Beach : Jared Heyns

Tropical Shipping

Contact: Safety Kleen Boynton Beach
5610 Alpha Drive
Boynton Beach
FL 33426

The laboratory performing the analytical testing is listed below. Samples are tested in "as-received" condition, and the test results relate only to the sample listed above. The laboratory certifies that the generation of all the results contained here-in was performed minimally meeting the quality system of ISO/IEC 17025:2017 and is in compliance with the listed analytical method, except as otherwise noted within this report. New York NELAP laboratory ID # 12140.

Page numbers and total number of pages are listed on the bottom of each page. Because each page contains information to the sample in-which any part may be significantly relevant to the other parts of this report; this report shall not be reproduced, except in full, without the written approval of the laboratory's management. Reproduction of this report of any kind, except in full, shall invalidate this report's laboratory approval and all data contained therein.

DATA QUALIFIERS:
Data qualifiers may be utilized when reporting test results as an aid to understanding laboratory method limitations. Data qualifications may be in the form of either a report narrative or/and flagged test results. Data qualifier flag definitions are located on the last page of this report. Holding Time and Preservation recommendation excursions will be narrated within the individual test group or on page 2 of this report.

QUESTIONS AND OPINIONS
Questions regarding this report may be made by contacting the Laboratory Director/Manager or your Project Manager.

Approving Authority: _____
April 15, 2022

Client ID: Reefer Shop Parts Washer Solven **Lab ID:** ECL220532 **SDG:** ECL2022-231

Sample Receipt Report

Sampled Date: 3/18/2022 **Received By:** gainesi1

Received Date: 3/25/2022

Shipping Container Condition: Good

Chain of Custody Record Present: Yes

COC Complete: Yes

Custody Seals Present: Yes *(on sample or on shipping container)*

Custody Seals Intact: Yes

Sample Container Condition: Good

Proper Sample Container: Yes

Sample Label Present: Yes

Sample Label Complete and Matches COC: Yes

Sample Received On Ice: No

Temperature: 21.5 deg. C **Thermometer ID:** ECL0003-2-18

Chemically Preserved: No *(documentation review, physical check performed during sample prep if required)*

Within Holding Time: Yes

Sample Receipt Comments: Samples are analyzed on an ‘as received’ basis. Sample conditions upon arrival such as temperatures and headspace may not be optimal. Deviations from optimal sample conditions, as described by the EPA in SW-846, will be communicated to the customer. Any pH testing done at our lab is outside the bounds of optimal testing; within 15 minutes of the sample being taken.
Sample Collection: 3/18/22 0900
Sample Receipt: 3/25/22 1000

Client ID: Reefer Shop Parts Washer Solvent **Lab ID:** ECL220532 **SDG:** ECL2022-231

Sample Case Narrative

With any exceptions noted as flags and/or narratives detailed below on this page, standard analytical protocols were followed in the preparation and analysis and no problems related to the reported end test results were encountered or anomalies observed. The sample was analyzed with the intent to achieve a lower limit of Limit of Quantitation (LOQ) sufficient to meet the needs of the intended purpose of the test as understood by the laboratory. In some cases, either due to matrix interference or analytes present at high concentrations, samples may be diluted. For diluted samples or for samples that were received with insufficient amount, the reporting limits (RL) and LOQ are adjusted relative to the dilution volume.

All EPA recommended holding times specified in SW-846 Chapters 3 and 4 were met unless otherwise detailed in the individual sections below.

SAMPLE RECEIPT
The laboratory reports test results in as-received condition. The condition of this sample at time of receipt is detailed in the Sample Receipt Report located on page 2 of this report.

SAMPLE ANALYSIS
As related to the final reported values in this test report, all method and laboratory established quality control criteria were met except as detailed below. If no anomalies are listed it can be assumed that all quality control criteria related to the values presented were in control.

The laboratory establishes limits for sample quality control checks (matrix spike and surrogates) from the laboratory's control samples (LCSs) which utilize a clean control matrix. This allows the user to assess differences between analyte precision and bias in their sample against limits established from a known laboratory control.

EPA-6020

OCER220566	Instrument Calibration Verification
	Both bracketing CCVs for Ba recovered out of control limits, low. LCS recovered within control limits.

Clean Harbors Analytical Services
Laboratory Test Report

Client ID: Reefer Shop Parts Washer Solvent **Lab ID:** ECL220532 **SDG:** ECL2022-231

Metals TCLP ICP-MS - 40CFR261 (Full)
Test Method EPA-6020

Parameter	CAS	Qual	Result	LLOQ	RL	Test Units	Reg Limits
Arsenic (As)	7440-38-2		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Barium (Ba)	7440-39-3		ND	0.20	0.20	mg/L TCLP	100 mg/L TCLP
Cadmium (Cd)	7440-43-9		ND	0.20	0.20	mg/L TCLP	1.0 mg/L TCLP
Chromium (Cr)	7440-47-3		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Lead (Pb)	7439-92-1		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Mercury (Hg)	7439-97-6		ND	0.20	0.20	mg/L TCLP	0.20 mg/L TCLP
Selenium (Se)	7782-49-2		ND	0.20	0.20	mg/L TCLP	1.0 mg/L TCLP
Silver (Ag)	7440-22-4		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP

Prep Method: EPA-3005A

Test Analysis Date: 4/6/22

**** END OF TEST GROUP ****

Client ID: Reefer Shop Parts Washer Solvent **Lab ID:** ECL220532 **SDG:** ECL2022-231

REPORTING LIMITS AND ACRONYMS

RL Reporting Limit - The lowest level that the laboratory reports down to for that specific test parameter/method combination. The RL is set to be at or above the method detection limit (MDL) as determined in a clean control matrix and is adjusted for dilutions. The RL will match the associated LLOQ if the MDL is not routinely verified. Under NELAP, routine MDL studies are only required when reporting a value below LLOQ. Values reported between the LLOQ and the RL are always considered estimated. RL is not applicable for some tests.

LLOQ Lower Limit of Quantitation - The lowest verified point that a value can be reported that is within a known level of confidence, adjusted for sample digestate/extract dilution. LOQ is not applicable for some tests.

REPORTING FLAGS

B Denotes a sample test result analyte that is above the RL was also found in the associated laboratory method blank at a concentration that was above the RL.

T Denotes that the reported analyte that is at or above the RL was only tentatively identified and not confirmed where the test method requires such confirmation be performed. This code is present because some data clients do not require the laboratory to perform the confirmation in order for the test result to be usable.

ND or < Analyte was not detected at or above the RL.

> Analyte was greater than the reported value.

J Estimated Value - Denotes that the reported analyte that is at or below the RL has an increased level of potential bias.

E Estimated Value - Denotes that a positive numeric value is an estimated value. Used when the reported value is greater than the highest instrument calibration point in the curve or above the instrument's verified upper linear dynamic range.

UJ RL and LLOQ Estimated - Denotes the RL and LOQ has an increased level of potential bias. Used in non-detect values as necessary.

NR Not Run - Denotes that the listed analyte was not run or was not reported.

SURROGATE LIMIT GENERATION

It is important to note that when surrogates are used as part of the test method, statistical control limits (when employed) are derived from the LCS results in an appropriate QC matrix (typically ottawa sand for solid matrix samples, reagent water for aqueous matrix samples, TCLP solution for TCLP extracts, and mineral oil for non-aqueous liquid concentrated waste samples). These limits therefore are representative of the process by which RL and LLOQ are established and verified. This allows the data user to assess matrix effects related to surrogate recovery against a known laboratory control.

**** END OF TEST REPORT ****

SAMPLE CHAIN-OF-CUSTODY RECORD

2022 231

Ship Samples To:

Clean Harbors East Corporate Lab
1910 Russell Street
Baltimore, MD 21203
Attn: Sample Receiving
Phone: 410-244-8200

ECL22 0533

Client Name Tropical Shipping | Sales Specialist Name Jared Heyns | Branch Name / Number 77 BSY

Client Contact Ryan Doyle | Sales Specialist Phone 561-810-7652 | Branch Address 5610 Atlanta Dr. Boynton Beach FL 33426

Client Email rdoyle@tropical.com | Email Address jared.heyns@safety-kleen.com

COLLECTION INFORMATION

CHAS Assigned SAMPLE ID #	CLIENT SAMPLE IDENTIFICATION	DATE	TIME	DESCRIPTION OF SAMPLE	NO. OF CONTAINERS & SIZE	SIGNATURE OF COLLECTOR
3	Marine Department	3/18/22	9:00 AM	parts washer solvent	1	

ANALYSIS REQUEST (PLACE CHECKS BY TESTS REQUIRED)

_____ Full TCLP + Characteristics (D001 - D043) (SPN 82109, 870813, 870812, 870814, 870815)
_____ Full TCLP (D004 - D043) (SPN 82109)
_____ Full TCLP Minus Pests & Herbs (SPN 82109)
_____ Flashpoint / Ignitabilty for D001 (SPN 870813)
_____ pH / Corrosivity for D002 (SPN 870812)
_____ Reactivity Screen (Cyanide/Sulfide) D003 (SPN 870814, SPN 870815)
✓ TCLP Metals Only (SPN 870805)
_____ TCLP Volatiles Only (SPN 870807)

_____ TCLP Semivoa Only - Aqueous or Solid (SPN 870808)
_____ TCLP Semivoa Only - Organics (SPN 870809)
_____ Solvent Screen (SPN 870813, 870806, 870807) (Includes Flashpoint, TCLP Metals & TCLP Volatiles)
_____ TCLP Pesticides (SPN 870810)
_____ TCLP Herbicides (SPN 870811)
_____ PCBs (including wipes) (SPN 870820)
_____ BTEX (SPN 870819)
_____ Heat of Combustion (BTU) (SPN 870822)
_____ % Water by Karl Fischer (SPN 870823)

_____ Total Organic Carbon (TOC) (SPN 870824)
_____ Oil and Grease (HEM) (SPN 870816)
_____ Total Petroleum Hydrocarbons (TPH) (SPN 870817)
_____ Total Organic Halogens (TOX) (SPN 870825)
_____ Gasoline Range Organics (GRO) (SPN 870828)
_____ Diesel Range Organics (DRO) (SPN 870829)
_____ Biochemical Oxygen Demand (BOD) (SPN 870826)
_____ Chemical Oxygen Demand (COD) (SPN 870827)
_____ Specific Gravity/Bulk Density (SPN 870818)
_____ Paint Filter (to determine if liquid or solid) (SPN 870821)

ADDITIONAL TESTING REQUESTS:

SAMPLE TRANSFER RECORD

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				3/15/2022	10:00

LAB USE ONLY

TEMPERATURE WHEN RECEIVED 21.5 °C

SAMPLE KIT OPENED AND CHECKED IN BY Lee Cairns AT 10:00 ON 3/15/2022

Clean Harbors Analytical Services
Laboratory Test Report

Report ID

ECL - 2022041509410533

SAMPLE

rine Department Parts Washer Solv

Project: Safety Kleen Boynton Beach : Jared Heyns

Tropical Shipping

Contact: Safety Kleen Boynton Beach
5610 Alpha Drive
Boynton Beach
FL 33426

The laboratory performing the analytical testing is listed below. Samples are tested in "as-received" condition, and the test results relate only to the sample listed above. The laboratory certifies that the generation of all the results contained here-in was performed minimally meeting the quality system of ISO/IEC 17025:2017 and is in compliance with the listed analytical method, except as otherwise noted within this report. New York NELAP laboratory ID # 12140.

Page numbers and total number of pages are listed on the bottom of each page. Because each page contains information to the sample in-which any part may be significantly relevant to the other parts of this report; this report shall not be reproduced, except in full, without the written approval of the laboratory's management. Reproduction of this report of any kind, except in full, shall invalidate this report's laboratory approval and all data contained therein.

DATA QUALIFIERS:
Data qualifiers may be utilized when reporting test results as an aid to understanding laboratory method limitations. Data qualifications may be in the form of either a report narrative or/and flagged test results. Data qualifier flag definitions are located on the last page of this report. Holding Time and Preservation recommendation excursions will be narrated within the individual test group or on page 2 of this report.

QUESTIONS AND OPINIONS
Questions regarding this report may be made by contacting the Laboratory Director/Manager or your Project Manager.

Approving Authority: _____
April 15, 2022

Client ID: Marine Department Parts Washer **Lab ID:** ECL220533 **SDG:** ECL2022-231

Sample Receipt Report

Sampled Date: 3/18/2022 **Received By:** gainesi1

Received Date: 3/25/2022

Shipping Container Condition: Good

Chain of Custody Record Present: Yes

COC Complete: Yes

Custody Seals Present: Yes *(on sample or on shipping container)*

Custody Seals Intact: Yes

Sample Container Condition: Good

Proper Sample Container: Yes

Sample Label Present: Yes

Sample Label Complete and Matches COC: Yes

Sample Received On Ice: No

Temperature: 21.5 deg. C **Thermometer ID:** ECL0003-2-18

Chemically Preserved: No *(documentation review, physical check performed during sample prep if required)*

Within Holding Time: Yes

Sample Receipt Comments: Samples are analyzed on an ‘as received’ basis. Sample conditions upon arrival such as temperatures and headspace may not be optimal. Deviations from optimal sample conditions, as described by the EPA in SW-846, will be communicated to the customer. Any pH testing done at our lab is outside the bounds of optimal testing; within 15 minutes of the sample being taken.
Sample Collection: 3/18/22 0900
Sample Receipt: 3/25/22 1000

Client ID: Marine Department Parts Washer S **Lab ID:** ECL220533 **SDG:** ECL2022-231

Sample Case Narrative

With any exceptions noted as flags and/or narratives detailed below on this page, standard analytical protocols were followed in the preparation and analysis and no problems related to the reported end test results were encountered or anomalies observed. The sample was analyzed with the intent to achieve a lower limit of Limit of Quantitation (LOQ) sufficient to meet the needs of the intended purpose of the test as understood by the laboratory. In some cases, either due to matrix interference or analytes present at high concentrations, samples may be diluted. For diluted samples or for samples that were received with insufficient amount, the reporting limits (RL) and LOQ are adjusted relative to the dilution volume.

All EPA recommended holding times specified in SW-846 Chapters 3 and 4 were met unless otherwise detailed in the individual sections below.

SAMPLE RECEIPT
The laboratory reports test results in as-received condition. The condition of this sample at time of receipt is detailed in the Sample Receipt Report located on page 2 of this report.

SAMPLE ANALYSIS
As related to the final reported values in this test report, all method and laboratory established quality control criteria were met except as detailed below. If no anomalies are listed it can be assumed that all quality control criteria related to the values presented were in control.

The laboratory establishes limits for sample quality control checks (matrix spike and surrogates) from the laboratory's control samples (LCSs) which utilize a clean control matrix. This allows the user to assess differences between analyte precision and bias in their sample against limits established from a known laboratory control.

EPA-6020

OCER220567	Instrument Calibration Verification
	Both bracketing CCVs for Ba recovered out of control limits, low. LCS recovered within control limits.

Clean Harbors Analytical Services
Laboratory Test Report

Client ID: Marine Department Parts Washer S **Lab ID:** ECL220533 **SDG:** ECL2022-231

Metals TCLP ICP-MS - 40CFR261 (Full)
Test Method EPA-6020

Parameter	CAS	Qual	Result	LLOQ	RL	Test Units	Reg Limits
Arsenic (As)	7440-38-2		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Barium (Ba)	7440-39-3		ND	0.20	0.20	mg/L TCLP	100 mg/L TCLP
Cadmium (Cd)	7440-43-9		ND	0.20	0.20	mg/L TCLP	1.0 mg/L TCLP
Chromium (Cr)	7440-47-3		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Lead (Pb)	7439-92-1		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Mercury (Hg)	7439-97-6		ND	0.20	0.20	mg/L TCLP	0.20 mg/L TCLP
Selenium (Se)	7782-49-2		ND	0.20	0.20	mg/L TCLP	1.0 mg/L TCLP
Silver (Ag)	7440-22-4		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP

Prep Method: EPA-3005A

Test Analysis Date: 4/6/22

**** END OF TEST GROUP ****

Client ID: Marine Department Parts Washer S **Lab ID:** ECL220533 **SDG:** ECL2022-231

REPORTING LIMITS AND ACRONYMS

RL Reporting Limit - The lowest level that the laboratory reports down to for that specific test parameter/method combination. The RL is set to be at or above the method detection limit (MDL) as determined in a clean control matrix and is adjusted for dilutions. The RL will match the associated LLOQ if the MDL is not routinely verified. Under NELAP, routine MDL studies are only required when reporting a value below LLOQ. Values reported between the LLOQ and the RL are always considered estimated. RL is not applicable for some tests.

LLOQ Lower Limit of Quantitation - The lowest verified point that a value can be reported that is within a known level of confidence, adjusted for sample digestate/extract dilution. LOQ is not applicable for some tests.

REPORTING FLAGS

B Denotes a sample test result analyte that is above the RL was also found in the associated laboratory method blank at a concentration that was above the RL.

T Denotes that the reported analyte that is at or above the RL was only tentatively identified and not confirmed where the test method requires such confirmation be performed. This code is present because some data clients do not require the laboratory to perform the confirmation in order for the test result to be usable.

ND or < Analyte was not detected at or above the RL.

> Analyte was greater than the reported value.

J Estimated Value - Denotes that the reported analyte that is at or below the RL has an increased level of potential bias.

E Estimated Value - Denotes that a positive numeric value is an estimated value. Used when the reported value is greater than the highest instrument calibration point in the curve or above the instrument's verified upper linear dynamic range.

UJ RL and LLOQ Estimated - Denotes the RL and LOQ has an increased level of potential bias. Used in non-detect values as necessary.

NR Not Run - Denotes that the listed analyte was not run or was not reported.

SURROGATE LIMIT GENERATION

It is important to note that when surrogates are used as part of the test method, statistical control limits (when employed) are derived from the LCS results in an appropriate QC matrix (typically ottawa sand for solid matrix samples, reagent water for aqueous matrix samples, TCLP solution for TCLP extracts, and mineral oil for non-aqueous liquid concentrated waste samples). These limits therefore are representative of the process by which RL and LLOQ are established and verified. This allows the data user to assess matrix effects related to surrogate recovery against a known laboratory control.

**** END OF TEST REPORT ****

SAMPLE CHAIN-OF-CUSTODY RECORD

2022 231

Ship Samples To:

Clean Harbors East Corporate Lab
1910 Russell Street
Baltimore, MD 21203
Attn: Sample Receiving
Phone: 410-244-8200

ECL22 0534

Client Name Tropical Shipping | Sales Specialist Name Jared Heyns | Branch Name / Number 77 BSY

Client Contact Ryan Doyle | Sales Specialist Phone 561-810-7652 | Branch Address 5610 Atlanta Dr. Boynton Beach FL 33426

Client Email rdoyle@tropical.com | Email Address jared.heyns@safety-kleen.com

COLLECTION INFORMATION

CHAS Assigned SAMPLE ID #	CLIENT SAMPLE IDENTIFICATION	DATE	TIME	DESCRIPTION OF SAMPLE	NO. OF CONTAINERS & SIZE	SIGNATURE OF COLLECTOR
4	Container Chassis	3/18/22	9:00 AM	parts washer solvent	1	

ANALYSIS REQUEST (PLACE CHECKS BY TESTS REQUIRED)

_____ Full TCLP + Characteristics (D001 - D043) (SPN 82109, 870813, 870812, 870814, 870815)
_____ Full TCLP (D004 - D043) (SPN 82109)
_____ Full TCLP Minus Pests & Herbs (SPN 82109)
_____ Flashpoint / Ignitabilty for D001 (SPN 870813)
_____ pH / Corrosivity for D002 (SPN 870812)
_____ Reactivity Screen (Cyanide/Sulfide) D003 (SPN 870814, SPN 870815)
✓ TCLP Metals Only (SPN 870805)
_____ TCLP Volatiles Only (SPN 870807)

_____ TCLP Semivoa Only - Aqueous or Solid (SPN 870808)
_____ TCLP Semivoa Only - Organics (SPN 870809)
_____ Solvent Screen (SPN 870813, 870808, 870807) (Includes Flashpoint, TCLP Metals & TCLP Volatiles)
_____ TCLP Pesticides (SPN 870810)
_____ TCLP Herbicides (SPN 870811)
_____ PCBs (including wipes) (SPN 870820)
_____ BTEX (SPN 870819)
_____ Heat of Combustion (BTU) (SPN 870822)
_____ % Water by Karl Fischer (SPN 870823)

_____ Total Organic Carbon (TOC) (SPN 870824)
_____ Oil and Grease (HEM) (SPN 870816)
_____ Total Petroleum Hydrocarbons (TPH) (SPN 870817)
_____ Total Organic Halogens (TOX) (SPN 870825)
_____ Gasoline Range Organics (GRO) (SPN 870828)
_____ Diesel Range Organics (DRO) (SPN 870829)
_____ Biochemical Oxygen Demand (BOD) (SPN 870826)
_____ Chemical Oxygen Demand (COD) (SPN 870827)
_____ Specific Gravity/Bulk Density (SPN 870818)
_____ Paint Filter (to determine if liquid or solid) (SPN 870821)

ADDITIONAL TESTING REQUESTS:

SAMPLE TRANSFER RECORD

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				3/21/22	10:00

LAB USE ONLY

TEMPERATURE WHEN RECEIVED 21.5 °C

SAMPLE KIT OPENED AND CHECKED IN BY Ivc Grains AT 10:00 ON 3/21/2022

Clean Harbors Analytical Services
Laboratory Test Report

Report ID

ECL - 2022041509430534

SAMPLE

ɔntainer Chassis Parts Washer Solve

Project: Safety Kleen Boynton Beach : Jared Heyns

Tropical Shipping

Contact:
Safety Kleen Boynton Beach
5610 Alpha Drive
Boynton Beach
FL 33426

The laboratory performing the analytical testing is listed below. Samples are tested in "as-received" condition, and the test results relate only to the sample listed above. The laboratory certifies that the generation of all the results contained here-in was performed minimally meeting the quality system of ISO/IEC 17025:2017 and is in compliance with the listed analytical method, except as otherwise noted within this report. New York NELAP laboratory ID # 12140.

Page numbers and total number of pages are listed on the bottom of each page. Because each page contains information to the sample in-which any part may be significantly relevant to the other parts of this report; this report shall not be reproduced, except in full, without the written approval of the laboratory's management. Reproduction of this report of any kind, except in full, shall invalidate this report's laboratory approval and all data contained therein.

DATA QUALIFIERS:
Data qualifiers may be utilized when reporting test results as an aid to understanding laboratory method limitations. Data qualifications may be in the form of either a report narrative or/and flagged test results. Data qualifier flag definitions are located on the last page of this report. Holding Time and Preservation recommendation excursions will be narrated within the individual test group or on page 2 of this report.

QUESTIONS AND OPINIONS
Questions regarding this report may be made by contacting the Laboratory Director/Manager or your Project Manager.

Approving Authority: _____
April 15, 2022

Client ID: Container Chassis Parts Washer S **Lab ID:** ECL220534 **SDG:** ECL2022-231

Sample Receipt Report

Sampled Date: 3/18/2022 **Received By:** gainesi1

Received Date: 3/25/2022

Shipping Container Condition: Good

Chain of Custody Record Present: Yes

COC Complete: Yes

Custody Seals Present: Yes *(on sample or on shipping container)*

Custody Seals Intact: Yes

Sample Container Condition: Good

Proper Sample Container: Yes

Sample Label Present: Yes

Sample Label Complete and Matches COC: Yes

Sample Received On Ice: No

Temperature: 21.5 deg. C **Thermometer ID:** ECL0003-2-18

Chemically Preserved: No *(documentation review, physical check performed during sample prep if required)*

Within Holding Time: Yes

Sample Receipt Comments: Samples are analyzed on an ‘as received’ basis. Sample conditions upon arrival such as temperatures and headspace may not be optimal. Deviations from optimal sample conditions, as described by the EPA in SW-846, will be communicated to the customer. Any pH testing done at our lab is outside the bounds of optimal testing; within 15 minutes of the sample being taken.
Sample Collection: 3/18/22 0900
Sample Receipt: 3/25/22 1000

Client ID: Container Chassis Parts Washer Sol **Lab ID:** ECL220534 **SDG:** ECL2022-231

Sample Case Narrative

With any exceptions noted as flags and/or narratives detailed below on this page, standard analytical protocols were followed in the preparation and analysis and no problems related to the reported end test results were encountered or anomalies observed. The sample was analyzed with the intent to achieve a lower limit of Limit of Quantitation (LOQ) sufficient to meet the needs of the intended purpose of the test as understood by the laboratory. In some cases, either due to matrix interference or analytes present at high concentrations, samples may be diluted. For diluted samples or for samples that were received with insufficient amount, the reporting limits (RL) and LOQ are adjusted relative to the dilution volume.

All EPA recommended holding times specified in SW-846 Chapters 3 and 4 were met unless otherwise detailed in the individual sections below.

SAMPLE RECEIPT
The laboratory reports test results in as-received condition. The condition of this sample at time of receipt is detailed in the Sample Receipt Report located on page 2 of this report.

SAMPLE ANALYSIS
As related to the final reported values in this test report, all method and laboratory established quality control criteria were met except as detailed below. If no anomalies are listed it can be assumed that all quality control criteria related to the values presented were in control.

The laboratory establishes limits for sample quality control checks (matrix spike and surrogates) from the laboratory's control samples (LCSs) which utilize a clean control matrix. This allows the user to assess differences between analyte precision and bias in their sample against limits established from a known laboratory control.

EPA-6020

OCER220568	Instrument Calibration Verification
	Both bracketing CCVs for Ba recovered out of control limits, low. LCS recovered within control limits.

Clean Harbors Analytical Services
Laboratory Test Report

Client ID: Container Chassis Parts Washer Sol **Lab ID:** ECL220534 **SDG:** ECL2022-231

Metals TCLP ICP-MS - 40CFR261 (Full)
Test Method EPA-6020

Parameter	CAS	Qual	Result	LLOQ	RL	Test Units	Reg Limits
Arsenic (As)	7440-38-2		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Barium (Ba)	7440-39-3		ND	0.20	0.20	mg/L TCLP	100 mg/L TCLP
Cadmium (Cd)	7440-43-9		ND	0.20	0.20	mg/L TCLP	1.0 mg/L TCLP
Chromium (Cr)	7440-47-3		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Lead (Pb)	7439-92-1		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Mercury (Hg)	7439-97-6		ND	0.20	0.20	mg/L TCLP	0.20 mg/L TCLP
Selenium (Se)	7782-49-2		ND	0.20	0.20	mg/L TCLP	1.0 mg/L TCLP
Silver (Ag)	7440-22-4		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP

Prep Method: EPA-3005A

Test Analysis Date: 4/6/22

**** END OF TEST GROUP ****

Client ID: Container Chassis Parts Washer Sol **Lab ID:** ECL220534 **SDG:** ECL2022-231

REPORTING LIMITS AND ACRONYMS

RL Reporting Limit - The lowest level that the laboratory reports down to for that specific test parameter/method combination. The RL is set to be at or above the method detection limit (MDL) as determined in a clean control matrix and is adjusted for dilutions. The RL will match the associated LLOQ if the MDL is not routinely verified. Under NELAP, routine MDL studies are only required when reporting a value below LLOQ. Values reported between the LLOQ and the RL are always considered estimated. RL is not applicable for some tests.

LLOQ Lower Limit of Quantitation - The lowest verified point that a value can be reported that is within a known level of confidence, adjusted for sample digestate/extract dilution. LOQ is not applicable for some tests.

REPORTING FLAGS

B Denotes a sample test result analyte that is above the RL was also found in the associated laboratory method blank at a concentration that was above the RL.

T Denotes that the reported analyte that is at or above the RL was only tentatively identified and not confirmed where the test method requires such confirmation be performed. This code is present because some data clients do not require the laboratory to perform the confirmation in order for the test result to be usable.

ND or < Analyte was not detected at or above the RL.

> Analyte was greater than the reported value.

J Estimated Value - Denotes that the reported analyte that is at or below the RL has an increased level of potential bias.

E Estimated Value - Denotes that a positive numeric value is an estimated value. Used when the reported value is greater than the highest instrument calibration point in the curve or above the instrument's verified upper linear dynamic range.

UJ RL and LLOQ Estimated - Denotes the RL and LOQ has an increased level of potential bias. Used in non-detect values as necessary.

NR Not Run - Denotes that the listed analyte was not run or was not reported.

SURROGATE LIMIT GENERATION

It is important to note that when surrogates are used as part of the test method, statistical control limits (when employed) are derived from the LCS results in an appropriate QC matrix (typically ottawa sand for solid matrix samples, reagent water for aqueous matrix samples, TCLP solution for TCLP extracts, and mineral oil for non-aqueous liquid concentrated waste samples). These limits therefore are representative of the process by which RL and LLOQ are established and verified. This allows the data user to assess matrix effects related to surrogate recovery against a known laboratory control.

**** END OF TEST REPORT ****

SAMPLE CHAIN-OF-CUSTODY RECORD

2022 231

Ship Samples To:

Clean Harbors East Corporate Lab
1910 Russell Street
Baltimore, MD 21203
Attn: Sample Receiving
Phone: 410-244-8200

ECL22 0535

Client Name Tropical Shipping | Sales Specialist Name Jared Heyns | Branch Name / Number 77 BSY

Client Contact Ryan Doyle | Sales Specialist Phone 561-810-7652 | Branch Address 5610 Alpha Dr. Boynton Beach FL 33426

Client Email rdoyle@tropical.com | Email Address jared.heyns@safety-kleen.com

COLLECTION INFORMATION

CHAS Assigned SAMPLE ID #	CLIENT SAMPLE IDENTIFICATION	DATE	TIME	DESCRIPTION OF SAMPLE	NO. OF CONTAINERS & SIZE	SIGNATURE OF COLLECTOR
5	Crane shop	3/18/22	9:00 AM	parts washer solvent	1	

ANALYSIS REQUEST (PLACE CHECKS BY TESTS REQUIRED)

_____ Full TCLP + Characteristics (D001 - D043) (SPN 82109, 870813, 870812, 870814, 870815)
_____ Full TCLP (D004 - D043) (SPN 82109)
_____ Full TCLP Minus Pests & Herbs (SPN 82109)
_____ Flashpoint / Ignitabilty for D001 (SPN 870813)
_____ pH / Corrosivity for D002 (SPN 870812)
_____ Reactivity Screen (Cyanide/Sulfide) D003 (SPN 870814, SPN 870815)
✓ TCLP Metals Only (SPN 870805)
_____ TCLP Volatiles Only (SPN 870807)

_____ TCLP Semivoa Only - Aqueous or Solid (SPN 870808)
_____ TCLP Semivoa Only - Organics (SPN 870809)
_____ Solvent Screen (SPN 870813, 870806, 870807) (Includes Flashpoint, TCLP Metals & TCLP Volatiles)
_____ TCLP Pesticides (SPN 870810)
_____ TCLP Herbicides (SPN 870811)
_____ PCBs (including wipes) (SPN 870820)
_____ BTEX (SPN 870819)
_____ Heat of Combustion (BTU) (SPN 870822)
_____ % Water by Karl Fischer (SPN 870823)

_____ Total Organic Carbon (TOC) (SPN 870824)
_____ Oil and Grease (HEM) (SPN 870816)
_____ Total Petroleum Hydrocarbons (TPH) (SPN 870817)
_____ Total Organic Halogens (TOX) (SPN 870825)
_____ Gasoline Range Organics (GRO) (SPN 870828)
_____ Diesel Range Organics (DRO) (SPN 870829)
_____ Biochemical Oxygen Demand (BOD) (SPN 870826)
_____ Chemical Oxygen Demand (COD) (SPN 870827)
_____ Specific Gravity/Bulk Density (SPN 870818)
_____ Paint Filter (to determine if liquid or solid) (SPN 870821)

ADDITIONAL TESTING REQUESTS:

SAMPLE TRANSFER RECORD

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				3/25/2022	10:00

LAB USE ONLY

TEMPERATURE WHEN RECEIVED 21.3 °C

SAMPLE KIT OPENED AND CHECKED IN BY Ivy Gaines AT 10:00 ON 3/25/2022

Clean Harbors Analytical Services
Laboratory Test Report

Report ID

ECL - 2022041509430535

SAMPLE

Crane Shop Parts Washer Solvent

Project: Safety Kleen Boynton Beach : Jared Heyns

Tropical Shipping

Contact: Safety Kleen Boynton Beach
5610 Alpha Drive
Boynton Beach
FL 33426

The laboratory performing the analytical testing is listed below. Samples are tested in "as-received" condition, and the test results relate only to the sample listed above. The laboratory certifies that the generation of all the results contained here-in was performed minimally meeting the quality system of ISO/IEC 17025:2017 and is in compliance with the listed analytical method, except as otherwise noted within this report. New York NELAP laboratory ID # 12140.

Page numbers and total number of pages are listed on the bottom of each page. Because each page contains information to the sample in-which any part may be significantly relevant to the other parts of this report; this report shall not be reproduced, except in full, without the written approval of the laboratory's management. Reproduction of this report of any kind, except in full, shall invalidate this report's laboratory approval and all data contained therein.

DATA QUALIFIERS:
Data qualifiers may be utilized when reporting test results as an aid to understanding laboratory method limitations. Data qualifications may be in the form of either a report narrative or/and flagged test results. Data qualifier flag definitions are located on the last page of this report. Holding Time and Preservation recommendation excursions will be narrated within the individual test group or on page 2 of this report.

QUESTIONS AND OPINIONS
Questions regarding this report may be made by contacting the Laboratory Director/Manager or your Project Manager.

Approving Authority: 
April 15, 2022

Client ID: Crane Shop Parts Washer Solvent **Lab ID:** ECL220535 **SDG:** ECL2022-231

Sample Receipt Report

Sampled Date: 3/18/2022 **Received By:** gainesi1

Received Date: 3/25/2022

Shipping Container Condition: Good

Chain of Custody Record Present: Yes

COC Complete: Yes

Custody Seals Present: Yes *(on sample or on shipping container)*

Custody Seals Intact: Yes

Sample Container Condition: Good

Proper Sample Container: Yes

Sample Label Present: Yes

Sample Label Complete and Matches COC: Yes

Sample Received On Ice: No

Temperature: 21.5 deg. C **Thermometer ID:** ECL0003-2-18

Chemically Preserved: No *(documentation review, physical check performed during sample prep if required)*

Within Holding Time: Yes

Sample Receipt Comments: Samples are analyzed on an ‘as received’ basis. Sample conditions upon arrival such as temperatures and headspace may not be optimal. Deviations from optimal sample conditions, as described by the EPA in SW-846, will be communicated to the customer. Any pH testing done at our lab is outside the bounds of optimal testing; within 15 minutes of the sample being taken.
Sample Collection: 3/18/22 0900
Sample Receipt: 3/25/22 1000

Client ID: Crane Shop Parts Washer Solvent **Lab ID:** ECL220535 **SDG:** ECL2022-231

Sample Case Narrative

With any exceptions noted as flags and/or narratives detailed below on this page, standard analytical protocols were followed in the preparation and analysis and no problems related to the reported end test results were encountered or anomalies observed. The sample was analyzed with the intent to achieve a lower limit of Limit of Quantitation (LOQ) sufficient to meet the needs of the intended purpose of the test as understood by the laboratory. In some cases, either due to matrix interference or analytes present at high concentrations, samples may be diluted. For diluted samples or for samples that were received with insufficient amount, the reporting limits (RL) and LOQ are adjusted relative to the dilution volume.

All EPA recommended holding times specified in SW-846 Chapters 3 and 4 were met unless otherwise detailed in the individual sections below.

SAMPLE RECEIPT
The laboratory reports test results in as-received condition. The condition of this sample at time of receipt is detailed in the Sample Receipt Report located on page 2 of this report.

SAMPLE ANALYSIS
As related to the final reported values in this test report, all method and laboratory established quality control criteria were met except as detailed below. If no anomalies are listed it can be assumed that all quality control criteria related to the values presented were in control.

The laboratory establishes limits for sample quality control checks (matrix spike and surrogates) from the laboratory's control samples (LCSs) which utilize a clean control matrix. This allows the user to assess differences between analyte precision and bias in their sample against limits established from a known laboratory control.

EPA-6020

OCER220569	Instrument Calibration Verification
	Both bracketing CCVs for Ba recovered out of control limits, low. LCS recovered within control limits.

Clean Harbors Analytical Services
Laboratory Test Report

Client ID: Crane Shop Parts Washer Solvent **Lab ID:** ECL220535 **SDG:** ECL2022-231

Metals TCLP ICP-MS - 40CFR261 (Full)
Test Method EPA-6020

Parameter	CAS	Qual	Result	LLOQ	RL	Test Units	Reg Limits
Arsenic (As)	7440-38-2		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Barium (Ba)	7440-39-3		ND	0.20	0.20	mg/L TCLP	100 mg/L TCLP
Cadmium (Cd)	7440-43-9		ND	0.20	0.20	mg/L TCLP	1.0 mg/L TCLP
Chromium (Cr)	7440-47-3		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Lead (Pb)	7439-92-1		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP
Mercury (Hg)	7439-97-6		ND	0.20	0.20	mg/L TCLP	0.20 mg/L TCLP
Selenium (Se)	7782-49-2		ND	0.20	0.20	mg/L TCLP	1.0 mg/L TCLP
Silver (Ag)	7440-22-4		ND	0.20	0.20	mg/L TCLP	5.0 mg/L TCLP

Prep Method: EPA-3005A

Test Analysis Date: 4/4/22

**** END OF TEST GROUP ****

Client ID: Crane Shop Parts Washer Solvent **Lab ID:** ECL220535 **SDG:** ECL2022-231

REPORTING LIMITS AND ACRONYMS

RL Reporting Limit - The lowest level that the laboratory reports down to for that specific test parameter/method combination. The RL is set to be at or above the method detection limit (MDL) as determined in a clean control matrix and is adjusted for dilutions. The RL will match the associated LLOQ if the MDL is not routinely verified. Under NELAP, routine MDL studies are only required when reporting a value below LLOQ. Values reported between the LLOQ and the RL are always considered estimated. RL is not applicable for some tests.

LLOQ Lower Limit of Quantitation - The lowest verified point that a value can be reported that is within a known level of confidence, adjusted for sample digestate/extract dilution. LOQ is not applicable for some tests.

REPORTING FLAGS

B Denotes a sample test result analyte that is above the RL was also found in the associated laboratory method blank at a concentration that was above the RL.

T Denotes that the reported analyte that is at or above the RL was only tentatively identified and not confirmed where the test method requires such confirmation be performed. This code is present because some data clients do not require the laboratory to perform the confirmation in order for the test result to be usable.

ND or < Analyte was not detected at or above the RL.

> Analyte was greater than the reported value.

J Estimated Value - Denotes that the reported analyte that is at or below the RL has an increased level of potential bias.

E Estimated Value - Denotes that a positive numeric value is an estimated value. Used when the reported value is greater than the highest instrument calibration point in the curve or above the instrument's verified upper linear dynamic range.

UJ RL and LLOQ Estimated - Denotes the RL and LOQ has an increased level of potential bias. Used in non-detect values as necessary.

NR Not Run - Denotes that the listed analyte was not run or was not reported.

SURROGATE LIMIT GENERATION

It is important to note that when surrogates are used as part of the test method, statistical control limits (when employed) are derived from the LCS results in an appropriate QC matrix (typically ottawa sand for solid matrix samples, reagent water for aqueous matrix samples, TCLP solution for TCLP extracts, and mineral oil for non-aqueous liquid concentrated waste samples). These limits therefore are representative of the process by which RL and LLOQ are established and verified. This allows the data user to assess matrix effects related to surrogate recovery against a known laboratory control.

**** END OF TEST REPORT ****