



MWH

LABORATORIES

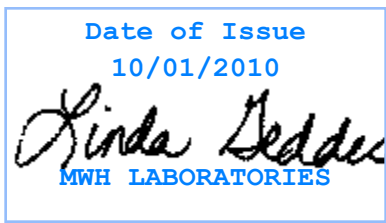
A Division of MWH Americas, Inc.

750 Royal Oak Dr., Suite 100
Monrovia, California, 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC
PO Box 55
Henderson, NV 89009
Attention: Susan Crowley
Fax: 702-651-2310



LXG: Linda Geddes
Project Manager



Report#: 343545
Project: CWA-RCRA
Group: Weekly CLO4
Composites

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

Acknowledgement of Samples Received

Tronox LLC

PO Box 55
 Henderson, NV 89009
 Attn: Susan Crowley
 Phone: 702-651-2234

Customer Code: TRONOX
 Group #: 343545
 Project #: CWA-RCRA
 Sample Group: Weekly CLO4 Composites
 Project Manager: Linda Geddes
 Phone: (626) 386-1163

The following samples were received from you on **September 14, 2010**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample #	Sample Id	Sample Date
201009140325	Effluent-Comp	11-Sep-2010 1000
	Perchlorate	
201009140327	Influent-Comp	11-Sep-2010 1000
	Perchlorate	

Test Description

343545
343488
9/15/10



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Drive, Suite 100, Montrovia, CA > 91016-3629
(626) 568-6400 (800) 566-5227

MW LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS/A

SAMPLE TEMP, RECEIPT AT LAB: 5°

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:				PROJECT JOB # / P.O.#		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES		(check for yes)	
COMPANY / PROJECT NAME				CWA-RCRA		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)			
Tronox				Weekly Permit CIO ₄ Compliance Samples					
Sampler: Michele Brown <i>Michele Brown</i> Susan Crowley				Tronox Chemical LLC PO Box 55 Henderson, NV 89009				SAMPLER COMMENTS	
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CIO ₄	Sterile Filtered CIO ₄	SAMPLER COMMENTS
10:00am	9-05-10 thru 9-11-10		Effluent-Comp	RSW	X	X	X	X	BO # 19142
10:00am	9-05-10 thru 9-11-10		Influent-Comp	RSW	X	X	X	X	

* MATRIX TYPES:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

RESUBMITTED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
	<i>Michele Brown</i>	Michele Brown	Veloia Water NA for Tronox Chemical LLC	9/13/2010	12:00
RECEIVED BY:	<i>Jac Sanchez</i>	Jac Sanchez	MWH	9-14-10	1147
RELINQUISHED BY:					
RECEIVED BY:					

Linda Geddes Your MWHL Project Manager

BO #: 22398

Created By: LYG

Order Date: 09/10/2010

Bottle Orders

Client Code TRONOX

Project Code BOTTLES Bottle Orders

Group Name Weekly CLO4 Composites

PO# / Job#

Ship Sample Kits to

Veolia Water-Tronox LLC

Gate 1

560 West Lake Mead Pkwy

Henderson, NV 89015

Attn: Wendy Prescott

Phone:

Fax:

Send Report to

Tronox LLC

PO Box 55

Henderson, NV 89009

Attn: Susan Crowley

Phone: 702-651-2234

Fax: 702-651-2310

Billing Address

Tronox LLC

PO Box 55

Henderson, NV 89009

Attn: Susan Crowley

Phone: 702-651-2234

Fax: 702-651-2310

of Samples Tests

2 Perchlorate Sterile Filtered

Qteline# Bottles - Qty for each sample, type & preservative if any

1 125 ml poly + syringe, filter 125ml STERILE bottle

UN DOT #

Comments

Weekly composite for Influent and Effluent

Client - please label COC as EFFLUENT-COMP and INFLUENT-COMP

Group#
Date Sampled
Date Received

Ship By:
08/31/2010

Code Status Date Shipped Via Tracking # # of Coolers Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 144460

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

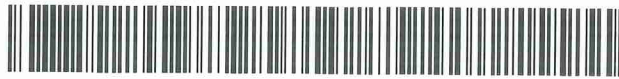
CARRIER Federal Express		Date 9/13/10	FROM NO. STATION: STATE Henderson, NV 89015	
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400			Authorization S. Crowley	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC		
N/A/R		CUSTOMER PO OR REQ'N NO.		
SHIPPED FROM Henderson, NV		CODE NO. WCN IS 10181		
If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.				
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY	
	Ice Chest with water samples 2 bottles – Influent, Effluent 2 bottles sterile filtered 25ml CLO4 Not Regulated		1 COOLER	
Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement: The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. TRONOX LLC		The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.		
TRUCK SHIPMENTS		FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC – DAY OR NIGHT 800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.		
PLACARDS OFFERED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PLACARDS ACCEPTED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	
		0		
1	TOTAL GROSS WEIGHT 12	TOTAL TARE WEIGHT 0	12	
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding		per		
THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.				
TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER Carron Williams	AGENT 5/12	PER	

From: Origin ID: LASA (702) 651-2200
Tronox
Tronox
560 W. Lake Mead Parkway
Henderson, NV 89015



Ship Date: 13SEP10
ActWgt: 12.0 LB
CAD: 100845654/INET3060

Delivery Address Bar Code

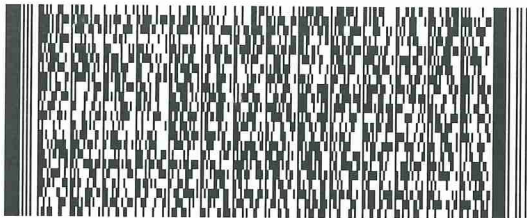


Ref # MSO #144460
Invoice #
PO #
Dept #

SHIP TO: (626) 568-6400 BILL SENDER
Attn: Sample Receiving
Montgomery Watson Labs
750 ROYAL OAKS DR STE 100

MONROVIA, CA 91016

J10201000890225

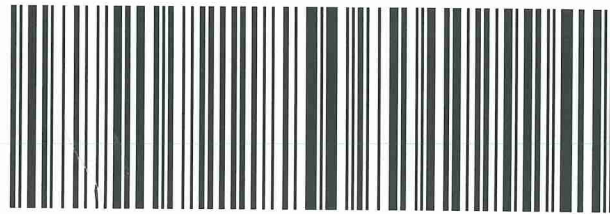


TRK# 7962 3958 4626
0201

TUE - 14 SEP A1
PRIORITY OVERNIGHT

91016
CA-US
BUR

QZ WHPA



508G3/9292/9A24

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

October 01, 2010

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 343545


Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on September 14, 2010 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Other Observations:

There were no unusual observations on this sample set.

Sincerely,



Linda Geddes
Project Manager



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Tronox LLC
Susan Crowley
PO Box 55
Henderson, NV 89009

Laboratory Comments
Report: #343545

Client specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: 



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Laboratory
Hits Report: 343545

Tronox LLC
Susan Crowley
PO Box 55
Henderson, NV 89009

Samples Received on:
09/14/2010

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
09/29/2010 11:56	Perchlorate	<u>Influent-Comp</u>	190000	6	ug/L	20000



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Laboratory Data
Report: 343545

Tronox LLC
Susan Crowley
PO Box 55
Henderson, NV 89009

Samples Received on:
09/14/2010

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<u>Effluent-Comp (201009140325)</u>							Sampled on 09/11/2010 1000				
EPA 314.0 - Perchlorate											
09/29/2010	11:34	570938	(EPA 314.0)	Perchlorate	ND	ug/L	0.25	8	1.00	4	
<u>Influent-Comp (201009140327)</u>							Sampled on 09/11/2010 1000				
EPA 314.0 - Perchlorate											
09/29/2010	11:56	570938	(EPA 314.0)	Perchlorate	190000	ug/L	0.25	20000	1250	5000	



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Laboratory
QC Summary: 343545

Tronox LLC

QC Ref # 570938 - Perchlorate

201009140325 Effluent-Comp
201009140327 Influent-Comp

Analysis Date: 09/29/2010

Analyzed by: LUPE
Analyzed by: LUPE



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Laboratory
QC Report: 343545

Tronox LLC

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 570938 - Perchlorate by EPA 314.0					Analysis Date: 09/29/2010				
LCS1	Perchlorate		25	25.0	ug/L	100	(85-115)		
LCS2	Perchlorate		25	25.8	ug/L	103	(85-115)	15	3.1
MBLK	Perchlorate			<4	ug/L				
MRL_CHK	Perchlorate		4.0	3.73	ug/L	93	(75-125)		
MRLLW	Perchlorate		2.0	1.62	ug/L	81	(50-150)		
MS_201009230258	Perchlorate	ND	25	24.5	ug/L	98	(80-120)		
MSD_201009230258	Perchlorate	ND	25	24.7	ug/L	99	(80-120)	15	0.61

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates

are advisory only, unless otherwise specified in the method.

(S) Indicates surrogate compound.

12/12

(I) Indicates internal standard compound.

RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)