



**MWH**

**LABORATORIES**

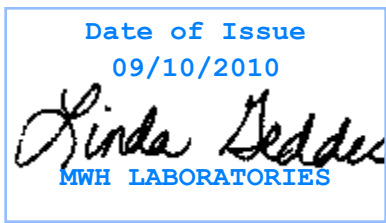
*A Division of MWH Americas, Inc.*

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#: 342556  
Project: CWA-RCRA  
Group: Weekly CBOD

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 #: 342556  
 Project #: CWA-RCRA  
 Sample Group: Weekly CBOD  
 Project Manager: Linda Geddes  
 Phone: (626) 386-1163

The following samples were received from you on **September 02, 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
201009020119	Effluent	01-Sep-2010 1030
	Carbonaceous BOD	
201009020120	Influent	01-Sep-2010 1100
	Carbonaceous BOD	

**Test Description**

# CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES

342557

MWLABS USE ONLY:

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629  
 (626) 386-1100 (800) 566-5227

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: MUD  
 SAMPLE TEMP, RECEIPT AT LAB: 3°C

BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME Tronox Sampler Signature: <u>Michele Brown</u> Susan Crowley (702) 651-2234	PROJECT JOB # / P.O.# CWA-RCRA Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009	IDENTIFIER, STATE ID# EFFLUENT INFLUENT	MATRIX * RSW RSW	GRAB X X	COMP CBOD X X	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)	SAMPLER COMMENTS
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\* MATRIX TYPES:

Reported by Volume:  
 CFW = Chlor(am)inated Finished Water  
 FW = Other Finished Water

RGW = Raw Ground Water  
 RSW = Raw Surface Water

CWW = Chlorinated Waste Water  
 WW = Other Waste Water  
 SW = Storm Water

Reported by Weight:  
 SO = Soil  
 SL = Sludge

SIGNATURE

RELINQUISHED BY: RECEIVED BY: RECEIVED BY:	PRINT NAME Michele Brown M. DE WEA	COMPANY/TITLE Veolia Water NA for Tronox LLC - Henderson Plant Amw	DATE 9/1/2010 9-2-10	TIME 12:00 PM 1030
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Linda Geddes Your MWHL Project Manager

BO #: 22395

Created By: LXG

Order Date: 09/10/2010

Bottle Orders

Client Code TRONOX

Project Code CWA-RCRA Bottle Orders

Group Name Weekly CBOD

PO# / Job#

**Ship Sample Kits to**

Veolia Water-Tronox LLC  
 Gate 1  
 560 West Lake Mead Pkwy  
 Henderson, NV 89015

**Send Report to**

Tronox LLC  
 PO Box 55  
 Henderson, NV 89009

**Billing Address**

Tronox LLC  
 PO Box 55  
 Henderson, NV 89009

Ship By:

08/31/2010

Attn: Wendy Prescott  
 Phone:  
 Fax:

Attn: Susan Crowley  
 Phone: 702-651-2234  
 Fax: 702-651-2310

Attn: Susan Crowley  
 Phone: 702-651-2234  
 Fax: 702-651-2310

# of Samples Tests

2 Carbonaceous BOD

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

1 1L poly no preservative

UN DOT #

Comments

Weekly CBOD  
 INFLUENT  
 EFFLUENT

Group#  
 Date Sampled  
 Date Received

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

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



J1020108090225

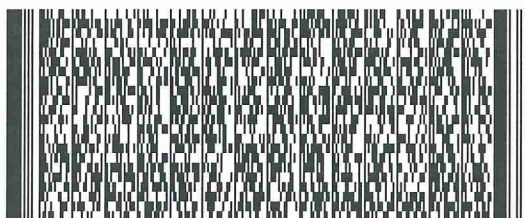
Ship Date: 01SEP10  
 ActWgt: 24.0 LB  
 CAD: 100845654/INET3060

Delivery Address Bar Code



Ref # MSO #144440  
 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**

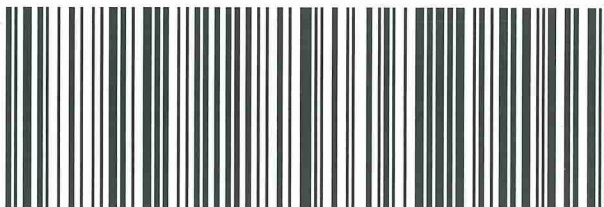


TRK# 7938 7439 2352  
 0201

THU - 02 SEP A1  
 PRIORITY OVERNIGHT

91016  
 CA-US  
 BUR

**QZ WHPA**



508G3/8292/9A24

**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 Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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: 144440

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 <b>Federal Express</b>		Date <b>9/1/10</b>	FROM NO. STATION: STATE <b>Henderson, NV 89015</b>	
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400			Authorization <b>S. Crowley</b>	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC  <b>CODE NO. WCN IS</b>  <b>10181</b>		
N/AR		CUSTOMER PO OR REQ'N NO.	SHIPPED FROM <b>Henderson, NV</b>	
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY	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.  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. <b>TRONOX LLC</b>  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.
	<b>Ice Chest with water samples Weekly Project 10-181, 2 bottles – CBOD  1 from effluent and 1 from influent  One Ice chest @ 24 Lbs  Not Regulated</b>		<b>1 COOLER</b>	
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	
		<b>0</b>		
<b>1</b>	<b>TOTAL GROSS WEIGHT 24</b>	<b>TOTAL TARE WEIGHT 0</b>	<b>24</b>	
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 _____				"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"
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 <b>Chuck Whitney</b>	AGENT	PER	

September 10, 2010

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

Subject: Case Narrative report 342556

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on September 02, 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.

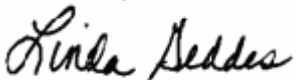
Case Narrative:  
For the MWH Laboratories data the following issues were observed:

LCS2 Recovery was below method limits at 79%. Since LCS1 recovery was acceptable the data was reported with an L4 flag. The seed depletion was below lab and method acceptance criteria. Data is flagged KA.

Other Observations:

There were no other observations on this sample set.

Sincerely,



Linda Geddes  
Project Manager



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**Laboratory Comments**  
**Report: #342556**

Tronox LLC  
Susan Crowley  
PO Box 55  
Henderson, NV 89009

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**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: 

**Group Comments**

LCS2 Recovery was below method limits at 79%. Since LCS1 recovery was acceptable the data was reported with an L4 flag. The seed depletion was below lab and method acceptance criteria. Data is flagged KA.

**Flags Legend:**

K6 - Glucose/glutamic acid BOD/CBOD was below method acceptance criteria.

KA - The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.





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**Tronox LLC**

Susan Crowley  
PO Box 55  
Henderson, NV 89009

**Laboratory**  
**Hits Report: 342556**

Samples Received on:  
09/02/2010

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<b>Analyzed</b>	<b>Analyte</b>	<b>Sample ID</b>	<b>Result</b>	<b>Federal MCL</b>	<b>Units</b>	<b>MRL</b>
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**Laboratory Data**  
**Report: 342556**

**Tronox LLC**  
Susan Crowley  
PO Box 55  
Henderson, NV 89009

Samples Received on:  
09/02/2010

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<b><u>Effluent (201009020119)</u></b>							<b>Sampled on 09/01/2010 1030</b>				
<b>SM 5210B - Carbonaceous BOD</b>											
09/03/2010	09:02	568396	(SM 5210B)	Carbonaceous BOD	ND(K6,KA)	mg/L	3	0.0000		1	
<b><u>Influent (201009020120)</u></b>							<b>Sampled on 09/01/2010 1100</b>				
<b>SM 5210B - Carbonaceous BOD</b>											
09/03/2010	09:01	568396	(SM 5210B)	Carbonaceous BOD	ND(K6,KA)	mg/L	3	0.0000		1	



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Laboratory  
QC Summary: 342556

Tronox LLC

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**QC Ref # 568396 - Carbonaceous BOD**

201009020119	Effluent
201009020120	Influent

**Analysis Date: 09/03/2010**

Analyzed by: YXP  
Analyzed by: YXP



# MWH

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Laboratory  
QC Report: 342556

Tronox LLC

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
<b>QC Ref# 568396 - Carbonaceous BOD by SM 5210B</b>					<b>Analysis Date: 09/03/2010</b>				
DUP1_201009020119	Carbonaceous BOD	ND		ND	mg/L		(0-15)		
LCS1	Carbonaceous BOD		198	180	mg/L	91	(85-115)		
LCS2	Carbonaceous BOD		198	156	mg/L	<u>79</u>	(85-115)		
MBLK	Carbonaceous BOD			<0.2	mg/L				

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)