



**MWH**

**LABORATORIES**

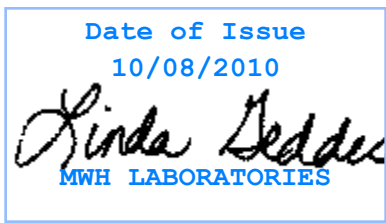
*A Division of MWH Americas, Inc.*

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#: 345096  
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 #: 345096

Project #: CWA-RCRA

Sample Group: Weekly CBOD

Project Manager: Linda Geddes

Phone: (626) 386-1163

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The following samples were received from you on **September 30, 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.

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Sample #	Sample Id	Sample Date
201009300321	Effluent	29-Sep-2010 1030
	Carbonaceous BOD	
201009300322	Influent	29-Sep-2010 1100
	Carbonaceous BOD	

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**Test Description**


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

MWLABS USE ONLY:

LOGIN COMMENTS:

on wet ice

SAMPLES CHECKED/LOGGED IN BY: U/S/M

SAMPLE TEMP, RECEIPT AT LAB: 500/50M

BLUE ICE: FROZEN  PARTIALLY FROZEN THAWED

345 096

TO BE COMPLETED BY SAMPLER:

Tronox		PROJECT JOB # / P.O.#		CWA-RCRA		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES <input type="checkbox"/> (check for yes)	
Company / Project Name		Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009				ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)	
Sampler Signature: <u>Michele Brown</u>		IDENTIFIER, STATE ID#		MATRIX *		SAMPLER COMMENTS	
Susan Crowley (702) 651-2234		LOCATION		GRAB			
TIME	DATE	EFFLUENT	INFLUENT	RSW	RSW	CBOD	
10:30 AM	9/29/2010			X		X	
11:00	9/29/2010			X		X	

\* 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

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:

Michele Brown

MRS ABRELA

Michele Brown

Veolia Water NA for Tronox LLC - Henderson Plant

MWH

9/29/2010

9/30/10

12:00 PM

10:37

Linda Geddes Your MWWL Project Manager

Client Code TRONOX  
 Project Code CWA-RCRA Bottle Orders  
 Group Name Weekly CBOD  
 PO# / Job# \_\_\_\_\_

BO #: 23179

Created By: LXG

Order Date: 10/01/2010

Bottle Orders

**Sampler: please return  
 this paper with your samples**

**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

Ship By:  
 09/21/2010

Group# \_\_\_\_\_  
 Date Sampled \_\_\_\_\_  
 Date Received \_\_\_\_\_

# of Samples Tests

2 Can Nonaceous BOD

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

1 1L poly no preservative

UN DOT #

Comments

Weekly CBOD  
 INFLUENT  
 EFFLUENT

Code

Status

Date Shipped

Via

Tracking #

# of Coolers

Prepared By

October 08, 2010

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

Subject: Case Narrative report 345096

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on September 30, 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.

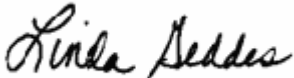
Case Narrative:  
For the MWH Laboratories data the following issues were observed:

LCS2 recovery was below method limits. Since LCS1 was acceptable the data was reported with a K6 flag.

Other Observations:

There were no other observations on this sample set.

Sincerely,



Linda Geddes  
Project Manager



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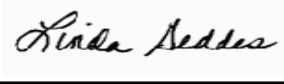
Tronox LLC  
Susan Crowley  
PO Box 55  
Henderson, NV 89009

**Laboratory Comments**  
**Report: #345096**

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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. Since LCS1 was acceptable the data was reported with a K6 flag.

**Flags Legend:**

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



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**Laboratory  
Hits Report: 345096**

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

Samples Received on:  
09/30/2010

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
09/30/2010	14:26 Carbonaceous BOD	<b>201009300321</b> <u>Effluent</u>	4.9		mg/L	3



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**Laboratory Data  
Report: 345096**

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

Samples Received on:  
09/30/2010

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MDL	MRL	SQL	Dilution	
<b><u>Effluent (201009300321)</u></b>							<b>Sampled on 09/29/2010 1030</b>				
<b>SM 5210B - Carbonaceous BOD</b>											
09/30/2010	14:26	571645	(SM 5210B)	Carbonaceous BOD	4.9(k6)	mg/L	3	3	3.0	1	
<b><u>Influent (201009300322)</u></b>							<b>Sampled on 09/29/2010 1100</b>				
<b>SM 5210B - Carbonaceous BOD</b>											
09/30/2010	14:27	571645	(SM 5210B)	Carbonaceous BOD	ND(k6)	mg/L	3	3	3.0	1	





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**Laboratory**  
**QC Summary: 345096**

Tronox LLC

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**QC Ref # 571645 - Carbonaceous BOD**

201009300321	Effluent
201009300322	Influent

**Analysis Date: 09/30/2010**

Analyzed by: YXP  
Analyzed by: YXP



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Laboratory  
QC Report: 345096

Tronox LLC

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
<b>QC Ref# 571645 - Carbonaceous BOD by SM 5210B</b>					<b>Analysis Date: 09/30/2010</b>				
DUP1_201009300322	Carbonaceous BOD	ND		ND	mg/L		(0-15)		
LCS1	Carbonaceous BOD		198	221	mg/L	112	(85-115)		
LCS2	Carbonaceous BOD		198	124	mg/L	<u>63</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.

10/10

(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)