



# MWH Laboratories

A Division of MWH Americas, Inc.

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

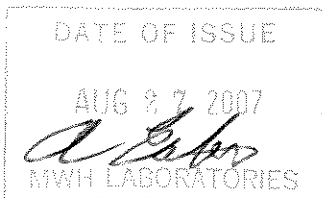
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley  
Fax: (405) 302-4607



ADE Andy Eaton  
Project Manager



Report#: 212263  
Project: CL04  
PO#: Susan Crowle

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 Comments, QC Report, QC Summary, Data Report, Hits Report, totaling 13 page[s].



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1 800 566 LABS (1 800 566 5227)

August 27, 2007

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

Subject: Case Narrative report 212263

Enclosed is MWH Laboratories Report 212263

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 3, 2007 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:

Samples for hex chrome were received after the RCRA 24 hour holding time and are reported with an H3 flag.

PH for several samples was tested outside of the laboratory holding time, because the initial pH analysis had a bias on continuing calibration. Field pH is the most reliable determination of pH.

Sincerely,

Andrew Eaton, PhD  
Project Manager



750 Royal Oaks Ave, Suite 100, Montrovia, CA 91016  
(626) 366-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Quaternary Groundwater Sampling

KERRMCGEE-IMP

Schedule B

Sampler Michele Brown

Michele Brown

Tronox LLC - Henderson Plant  
PO Box 55  
Henderson, NV 89009

Susan Crowley (702) 651-2234

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	ANALYSES REQUIRED							SAMPLER Comments	
							CR 6010	PH 9040	TDS	CL04	CRVI 7196	CL03 9056	NO3 9056		See Bottle Order
M26	8-2-07		M-87	RGW	X		X	X	X	X					2 Bottles
743	8-2-07		M-74	RGW	X		X	X	X	X					2 Bottles
M55	8-2-07		M-73	RGW	X		X	X	X	X					2 Bottles
811	8-2-07		M-88	RGW	X		X	X	X	X					2 Bottles
827	8-2-07		M-102	RGW	X		X	X	X	X					2 Bottles
858	8-2-07		M-101	RGW	X		X	X	X	X					2 Bottles
934	8-2-07		M-86	RGW	X		X	X	X	X					2 Bottles
945	8-2-07		M-84	RGW	X		X	X	X	X					3 Bottles
1020	8-2-07		M-100	RGW	X		X	X	X	X					3 Bottles
1107	8-2-07		M-26	RGW	X		X	X	X	X					3 Bottles
1135	8-2-07		M-11	RGW	X		X	X	X	X					3 Bottles
1235	8-2-07		M-10	RGW	X		X	X	X	X					3 Bottles

\* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water  
FW = Other Finished Water

Reported by Weight:

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: <u>Michele Brown</u>	COMPANY/TITLE: Veolia Water NA for Tronox LLC - Henderson Plant	DATE: 8-2-07	TIME: 12:00PM
RECEIVED BY: <u>[Signature]</u>	PRINT NAME: Michele Brown	DATE: 8-2-07	TIME: 10:15
RELINQUISHED BY:	COMPANY/TITLE: MWL	DATE:	TIME:
RECEIVED BY:	PRINT NAME:	DATE:	TIME:



MWH Laboratories, a Division of MWH Americas, Inc.  
750 Royal Oaks Avenue Suite 100  
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

**Bottle Order for Ironox LLC- Henderson Standing**

Andrew Eaton..... Your MWL Project Manager  
(626).386.1125..... Direct Phone/Voice Mail

Client Code KERRMCGEE-MP  
Project Code CLO4  
PO# / Job#  
Blanket PO

SO# 36799 33899 RS

**Sampler: Please Return this Paper with your samples**

0

Created by  
Order Date 06/12/07  
Date Needed by Client  
SHIP LOCATION

Ship Sample Kits to  
Tronox LLC-Veolia Water  
Gate 1  
8000 West Lake Mead Drive  
Henderson, NV 89015

Send Report to  
Ironox LLC-Henderson Plant  
P.O. Box 55  
Henderson, NV 89009

Billing Address  
Ironox LLC  
P.O. Box 3049  
Livonia, MI 48150

Date Samples to Arrive at MWL

ATTN: Susan Crowley  
PHONE: 702-651-2234

ATTN: Susan Crowley  
PHONE: 702-651-2234  
FAX: 702-651-2310

Quote#

# of Samples Tests

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

UN#

Important Comments

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
101	CR6010	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative		First, Third, and fourth quarters
15	CRV17196	1 125ml poly acid rinsed/ no preservative SHORT HOLDING TIME!!!!		NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht
				TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

SCANNED

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: 142711

SCANNED

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>08/02/07</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		
N/A/R		CUSTOMER PO OR REQ'N NO.	SHIPPED FROM <b>Henderson, NV</b>	
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY	
	<b>Quarterly Monitoring Well Samples</b>  <b>M-10 NPDES</b>  <b>One ice chest @ 52</b> <b>One ice chest @ 10</b>          <b>Not Regulated</b>		<b>2 COOLERS</b>	
			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.	
TRUCK SHIPMENTS				
PLACARDS OFFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PLACARDS ACCEPTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		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.
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	
		0		
1	TOTAL GROSS WEIGHT 62	TOTAL TARE WEIGHT 0	62	
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

**Chuck Whitney**

AGENT

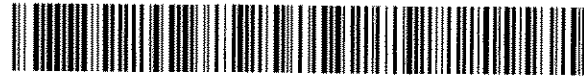
PER

From: Origin ID: LASA (702)651-2230  
TRONOX LLC  
TRONOX LLC  
8000 LAKE MEAD PARKWAY  
SHIPPING DEPARTMENT  
HENDERSON, NV 89015



Ship Date: 02AUG07  
ActWgt: 52 LB  
System#: 2274147/INET7061  
Account#: S \*\*\*\*\*

Delivery Address Bar Code

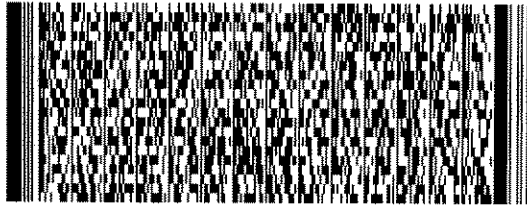


Ref # MSO# 142711  
Invoice #  
PO #  
Dept #

SHIP TO: (626)568-6400 **BILL SENDER**  
**ATTN: SAMPLE RECEIVING**  
**MONTGOMERY WATSON LABS**  
**750 ROYAL OAKS DR # 100**  
  
**MONROVIA, CA 910163629**

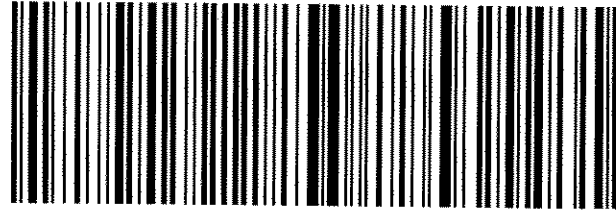
TRK# 7987 3306 9366  
0201

**FRI - 03AUG A2**  
**PRIORITY OVERNIGHT**



**QZ-WHPA**

**BUR**  
**CA-US**  
**91016**



SCANNED

Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page 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.

**MWH Laboratories**  
 750 Royal Oaks Drive, Monrovia, CA 91016  
 PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: KERRMCGEE-MP  
 PO#: Susan Crowley PO  
 Group#: 212263  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **08/03/07**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2708030224	M-87	CLO4 CR6010	Water P PH9040	02-aug-2007 07:26:00 T TDS
2708030225	M-74	CLO4 CR6010	Water P PH9040	02-aug-2007 07:43:00 T TDS
2708030226	M-73	CLO4 CR6010	Water P PH9040	02-aug-2007 07:55:00 T TDS
2708030227	M-88	CLO4 CR6010	Water P PH9040	02-aug-2007 08:11:00 T TDS
2708030228	M-102	CLO4 CR6010	Water P PH9040	02-aug-2007 08:27:00 T TDS
2708030229	M-101	CLO4 CR6010	Water P PH9040	02-aug-2007 08:58:00 T TDS
2708030230	M-86	CLO4 CR6010	Water P PH9040	02-aug-2007 09:34:00 T TDS
2708030231	M-84	CLO4 CR6010	Water P PH9040	02-aug-2007 09:45:00 T TDS
2708030232	M-100	CLO4 CR6010	Water P PH9040	02-aug-2007 10:30:00 T TDS
2708030233	M-36	CLO4 CR6010	Water P PH9040	02-aug-2007 11:07:00 T TDS
2708030234	M-11	CLO4 CR6010	Water P PH9040	02-aug-2007 11:35:00 T TDS
2708030235	M-10	CLO4 CR6010	Water P PH9040	02-aug-2007 12:35:00 T TDS

Test Acronym Description

Test Acronym	Description
--------------	-------------

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

Customer Code: KERRMCGEE-MP  
PO#: Susan Crowley PO  
Group#: 212263  
Project#: CLO4  
Proj Mgr: Andrew Eaton  
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)





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Report  
Comments  
#212263

## 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: \_\_\_\_\_

(QC Ref#: 2708030231)

Test: Hexavalent chromium (Cr VI) (ML/EPS 7196)

H3- Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2708030232)

Test: Hexavalent chromium (Cr VI) (ML/EPS 7196)

H3- Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2708030233)

Test: Hexavalent chromium (Cr VI) (ML/EPS 7196)

H1-Sample analysis performed past holding time. Data not acceptable for regulatory compliance

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Original result is reported. Value was confirmed with re-analysis performed after 7-day hold time.

(QC Ref#: 2708030234)

Test: Hexavalent chromium (Cr VI) (ML/EPS 7196)

H1-Sample analysis performed past holding time. Data not acceptable for regulatory compliance

(QC Ref#: 2708030235)

Test: Hexavalent chromium (Cr VI) (ML/EPS 7196)

H1-Sample analysis performed past holding time. Data not acceptable for regulatory compliance



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Laboratory  
 Hits Report  
 #212263

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

Samples Received  
 03-aug-2007 16:53:48

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2708030224</b>	<b>M-87</b>				
08/13/07		Chromium, Total, ICAP	1.9		mg/l	0.020
08/08/07		Metals digestion performed.	Y		Yes/No	
08/06/07		PH (H3=past HT, not compliant)	7.7		Units	0.0010
08/06/07		Perchlorate	196000		ug/l	40000
08/08/07		Total Dissolved Solid (TDS)	2610	500	mg/l	10
	<b>2708030225</b>	<b>M-74</b>				
08/13/07		Chromium, Total, ICAP	0.76		mg/l	0.020
08/08/07		Metals digestion performed.	Y		Yes/No	
08/06/07		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/06/07		Perchlorate	42800		ug/l	4000
08/08/07		Total Dissolved Solid (TDS)	6040	500	mg/l	10
	<b>2708030226</b>	<b>M-73</b>				
08/13/07		Chromium, Total, ICAP	2.9		mg/l	0.020
08/08/07		Metals digestion performed.	Y		Yes/No	
08/06/07		PH (H3=past HT, not compliant)	7.7		Units	0.0010
08/06/07		Perchlorate	227000		ug/l	40000
08/08/07		Total Dissolved Solid (TDS)	3830	500	mg/l	10
	<b>2708030227</b>	<b>M-88</b>				
08/13/07		Chromium, Total, ICAP	0.87		mg/l	0.020
08/08/07		Metals digestion performed.	Y		Yes/No	
08/06/07		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/06/07		Perchlorate	55300		ug/l	4000
08/07/07		Total Dissolved Solid (TDS)	6510	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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 Hits Report  
 #212263

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

Samples Received  
 03-aug-2007 16:53:48

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2708030228	M-102				
	2708030228	M-102				
08/14/07	Chromium, Total, ICAP		1.3		mg/l	0.020
08/08/07	Metals digestion performed.		Y		Yes/No	
08/06/07	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/06/07	Perchlorate		147000		ug/l	10000
08/07/07	Total Dissolved Solid (TDS)		2330	500	mg/l	10
	2708030229	M-101				
08/14/07	Chromium, Total, ICAP		0.47		mg/l	0.020
08/08/07	Metals digestion performed.		Y		Yes/No	
08/20/07	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/06/07	Perchlorate		103000		ug/l	10000
08/07/07	Total Dissolved Solid (TDS)		3380	500	mg/l	10
	2708030230	M-86				
08/14/07	Chromium, Total, ICAP		1.8		mg/l	0.020
08/08/07	Metals digestion performed.		Y		Yes/No	
08/20/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/06/07	Perchlorate		497000		ug/l	40000
08/07/07	Total Dissolved Solid (TDS)		4050	500	mg/l	10
	2708030231	M-84				
08/14/07	Chromium, Total, ICAP		0.080		mg/l	0.020
08/03/07	Hexavalent chromium (Cr VI)		0.090		mg/l	0.0050
08/08/07	Metals digestion performed.		Y		Yes/No	

SUMMARY OF POSITIVE DATA ONLY.



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 #212263

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 Susan Crowley  
 PO Box 55  
 Henderson , NV 89009

Samples Received  
 03-aug-2007 16:53:48

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2708030231</b>	<b>M-84</b>				
08/20/07	PH (H3=past HT, not compliant)		7.9		Units	0.0010
08/08/07	Perchlorate		9310		ug/l	2000
08/07/07	Total Dissolved Solid (TDS)		994	500	mg/l	10
	<b>2708030232</b>	<b>M-100</b>				
08/14/07	Chromium, Total, ICAP		0.19		mg/l	0.020
08/03/07	Hexavalent chromium (Cr VI)		0.22		mg/l	0.0050
08/08/07	Metals digestion performed.		Y		Yes/No	
08/20/07	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/06/07	Perchlorate		37500		ug/l	4000
08/07/07	Total Dissolved Solid (TDS)		1540	500	mg/l	10
	<b>2708030233</b>	<b>M-36</b>				
08/14/07	Chromium, Total, ICAP		33		mg/l	0.20
08/03/07	Hexavalent chromium (Cr VI)		38		mg/l	1.0
08/08/07	Metals digestion performed.		Y		Yes/No	
08/20/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/06/07	Perchlorate		1800000		ug/l	200000
08/07/07	Total Dissolved Solid (TDS)		17500	500	mg/l	10
	<b>2708030234</b>	<b>M-11</b>				
08/14/07	Chromium, Total, ICAP		2.6		mg/l	0.020
08/03/07	Hexavalent chromium (Cr VI)		2.8		mg/l	0.10
08/08/07	Metals digestion performed.		Y		Yes/No	
08/20/07	PH (H3=past HT, not compliant)		8.0		Units	0.0010
08/06/07	Perchlorate		33900		ug/l	4000
08/07/07	Total Dissolved Solid (TDS)		3400	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
 Hits Report  
 #212263

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 PO Box 55  
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Samples Received  
 03-aug-2007 16:53:48

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2708030234	M-11				
	2708030235	M-10				
08/14/07	Chromium, Total, ICAP		0.97		mg/l	0.020
08/03/07	Hexavalent chromium (Cr VI)		0.35		mg/l	0.0050
08/08/07	Metals digestion performed.		Y		Yes/No	
08/20/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/06/07	Perchlorate		30100		ug/l	4000
08/07/07	Total Dissolved Solid (TDS)		3260	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



# MWH Laboratories

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Laboratory  
Data Report  
#212263

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

Samples Received  
08/03/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-87 (2708030224)</b>				<b>Sampled on 08/02/07 07:26</b>				
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	196000	ug/l	40000	10000
08/12/07	08/13/07 00:00	380839	( ML/EPA 6010B )	Chromium, Total, ICAP	1.9	mg/l	0.020	2
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/06/07 00:00	379798	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/08/07	08/08/07 12:00	380383	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	2610	mg/l	10	1
<b>M-74 (2708030225)</b>				<b>Sampled on 08/02/07 07:43</b>				
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	42800	ug/l	4000	1000
08/12/07	08/13/07 00:00	380839	( ML/EPA 6010B )	Chromium, Total, ICAP	0.76	mg/l	0.020	2
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/06/07 00:00	379798	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/08/07	08/08/07 12:00	380383	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	6040	mg/l	10	1
<b>M-73 (2708030226)</b>				<b>Sampled on 08/02/07 07:55</b>				
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	227000	ug/l	40000	10000
08/12/07	08/13/07 00:00	380839	( ML/EPA 6010B )	Chromium, Total, ICAP	2.9	mg/l	0.020	2
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/06/07 00:00	379798	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/08/07	08/08/07 12:00	380383	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	3830	mg/l	10	1
<b>M-88 (2708030227)</b>				<b>Sampled on 08/02/07 08:11</b>				
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	55300	ug/l	4000	1000
08/12/07	08/13/07 00:00	380839	( ML/EPA 6010B )	Chromium, Total, ICAP	0.87	mg/l	0.020	2
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/06/07 00:00	379798	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/07/07	08/07/07 15:00	380366	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	6510	mg/l	10	1



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Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-102 (2708030228)</b>		<b>Sampled on 08/02/07 08:27</b>						
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	147000	ug/l	10000	2500
08/12/07	08/14/07 00:00	380840	( ML/EPA 6010B )	Chromium, Total, ICAP	1.3	mg/l	0.020	2
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/06/07 00:00	379798	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/07/07	08/07/07 15:00	380366	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	2330	mg/l	10	1
<b>M-101 (2708030229)</b>		<b>Sampled on 08/02/07 08:58</b>						
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	103000	ug/l	10000	2500
08/12/07	08/14/07 00:00	380840	( ML/EPA 6010B )	Chromium, Total, ICAP	0.47	mg/l	0.020	2
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/20/07 00:00	381972	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/07/07	08/07/07 15:00	380366	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3380	mg/l	10	1
<b>M-86 (2708030230)</b>		<b>Sampled on 08/02/07 09:34</b>						
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	497000	ug/l	40000	10000
08/12/07	08/14/07 00:00	380840	( ML/EPA 6010B )	Chromium, Total, ICAP	1.8	mg/l	0.020	2
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/20/07 00:00	381972	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/07/07	08/07/07 15:00	380366	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	4050	mg/l	10	1
<b>M-84 (2708030231)</b>		<b>Sampled on 08/02/07 09:45</b>						
	08/08/07 11:10	380214	( EPA 314 )	Perchlorate	9310	ug/l	2000	500
08/12/07	08/14/07 00:00	380840	( ML/EPA 6010B )	Chromium, Total, ICAP	0.080	mg/l	0.020	2
	08/03/07 13:33	379692	( ML/EPS 7196 )	Hexavalent chromium (Cr VI)	0.090(H3)	mg/l	0.0050	1
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/20/07 00:00	381972	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
08/07/07	08/07/07 15:00	380366	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	994	mg/l	10	1



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Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-100 (2708030232)</b>		<b>Sampled on 08/02/07 10:30</b>						
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	37500	ug/l	4000	1000
08/12/07	08/14/07 00:00	380840	( ML/EPA 6010B )	Chromium, Total, ICAP	0.19	mg/l	0.020	2
	08/03/07 13:36	379692	( ML/EPS 7196 )	Hexavalent chromium (Cr VI)	0.22(H3)	mg/l	0.0050	1
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/20/07 00:00	381972	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/07/07	08/07/07 15:00	380366	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	1540	mg/l	10	1
<b>M-36 (2708030233)</b>		<b>Sampled on 08/02/07 11:07</b>						
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	1800000	ug/l	200000	50000
08/12/07	08/14/07 00:00	380840	( ML/EPA 6010B )	Chromium, Total, ICAP	33	mg/l	0.20	20
	08/03/07 13:32	379692	( ML/EPS 7196 )	Hexavalent chromium (Cr VI)	38(H1)	mg/l	1.0	200
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/20/07 00:00	381972	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/07/07	08/07/07 15:00	380366	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	17500	mg/l	10	1
<b>M-11 (2708030234)</b>		<b>Sampled on 08/02/07 11:35</b>						
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	33900	ug/l	4000	1000
08/12/07	08/14/07 00:00	380840	( ML/EPA 6010B )	Chromium, Total, ICAP	2.6	mg/l	0.020	2
	08/03/07 13:34	379692	( ML/EPS 7196 )	Hexavalent chromium (Cr VI)	2.8(H1)	mg/l	0.10	20
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/20/07 00:00	381972	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	8.0	Units	0.0010	1
08/07/07	08/07/07 15:00	380366	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3400	mg/l	10	1
<b>M-10 (2708030235)</b>		<b>Sampled on 08/02/07 12:35</b>						
	08/06/07 10:51	380192	( EPA 314 )	Perchlorate	30100	ug/l	4000	1000
08/12/07	08/14/07 00:00	380840	( ML/EPA 6010B )	Chromium, Total, ICAP	0.97	mg/l	0.020	2
	08/03/07 13:35	379692	( ML/EPS 7196 )	Hexavalent chromium (Cr VI)	0.35(H1)	mg/l	0.0050	1
	08/08/07 13:37		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/20/07 00:00	381972	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/07/07	08/07/07 15:00	380366	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3260	mg/l	10	1





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Laboratory  
QC Summary  
#212263

Tronox LLC - Henderson

QC Ref #379692 - Hexavalent chromium (Cr VI) Analysis Date: 08/03/2007

2708030231	M-84	Analyzed by: wbh
2708030232	M-100	Analyzed by: wbh
2708030233	M-36	Analyzed by: wbh
2708030234	M-11	Analyzed by: wbh
2708030235	M-10	Analyzed by: wbh

QC Ref #379798 - PH (H3=past HT, not compliant) Analysis Date: 08/06/2007

2708030224	M-87	Analyzed by: faj
2708030225	M-74	Analyzed by: faj
2708030226	M-73	Analyzed by: faj
2708030227	M-88	Analyzed by: faj
2708030228	M-102	Analyzed by: faj

QC Ref #380192 - Perchlorate Analysis Date: 08/06/2007

2708030224	M-87	Analyzed by: clv
2708030225	M-74	Analyzed by: clv
2708030226	M-73	Analyzed by: clv
2708030227	M-88	Analyzed by: clv
2708030228	M-102	Analyzed by: clv
2708030229	M-101	Analyzed by: clv
2708030230	M-86	Analyzed by: clv
2708030232	M-100	Analyzed by: clv
2708030233	M-36	Analyzed by: clv
2708030234	M-11	Analyzed by: clv
2708030235	M-10	Analyzed by: clv

QC Ref #380214 - Perchlorate Analysis Date: 08/08/2007

2708030231	M-84	Analyzed by: clv
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QC Ref #380366 - Total Dissolved Solid (TDS) Analysis Date: 08/07/2007

2708030227	M-88	Analyzed by: yvette
2708030228	M-102	Analyzed by: yvette
2708030229	M-101	Analyzed by: yvette
2708030230	M-86	Analyzed by: yvette
2708030231	M-84	Analyzed by: yvette



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 QC Summary  
 #212263

Tronox LLC - Henderson  
 (continued)

2708030232	M-100	Analyzed by: yvette
2708030233	M-36	Analyzed by: yvette
2708030234	M-11	Analyzed by: yvette
2708030235	M-10	Analyzed by: yvette

QC Ref #380383 - Total Dissolved Solid (TDS) Analysis Date: 08/08/2007

2708030224	M-87	Analyzed by: yvette
2708030225	M-74	Analyzed by: yvette
2708030226	M-73	Analyzed by: yvette

QC Ref #380839 - Chromium, Total, ICAP Analysis Date: 08/13/2007

2708030224	M-87	Analyzed by: wbh
2708030225	M-74	Analyzed by: wbh
2708030226	M-73	Analyzed by: wbh
2708030227	M-88	Analyzed by: wbh

QC Ref #380840 - Chromium, Total, ICAP Analysis Date: 08/14/2007

2708030228	M-102	Analyzed by: wbh
2708030229	M-101	Analyzed by: wbh
2708030230	M-86	Analyzed by: wbh
2708030231	M-84	Analyzed by: wbh
2708030232	M-100	Analyzed by: wbh
2708030233	M-36	Analyzed by: wbh
2708030234	M-11	Analyzed by: wbh
2708030235	M-10	Analyzed by: wbh

QC Ref #381972 - PH (H3=past HT, not compliant) Analysis Date: 08/20/2007

2708030229	M-101	Analyzed by: faj
2708030230	M-86	Analyzed by: faj
2708030231	M-84	Analyzed by: faj
2708030232	M-100	Analyzed by: faj
2708030233	M-36	Analyzed by: faj
2708030234	M-11	Analyzed by: faj
2708030235	M-10	Analyzed by: faj



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Tronox LLC - Henderson

## QC Ref #379692      Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08030248	MGL		( 0-0 )	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	( 85-115 )	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.051	MGL	102.0	( 85-115 )	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.005	MGL	100.0	( 50-150 )	
MS	Hexavalent chromium (Cr VI)	1.00	0.94	MGL	94.0	( 70-130 )	
MSD	Hexavalent chromium (Cr VI)	1.00	0.96	MGL	96.0	( 70-130 )	

## QC Ref #379798      PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.77	7.78	UNIT		( 0-20 )	0.1

## QC Ref #380192      Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08020570	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	26.6	UGL	106.4	( 85-115 )	
LCS2	Perchlorate	25.0	26.7	UGL	106.8	( 85-115 )	
LCS3	Perchlorate	4	3.68	UGL	92.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.2	UGL	96.8	( 80-120 )	
MSD	Perchlorate	25.0	24.9	UGL	99.6	( 80-120 )	
RPD_LCS	Perchlorate	106.400	106.800	UGL	0.4	( 0-15 )	
RPD_MS	Perchlorate	96.800	99.600	UGL	1.0	( 0-15 )	

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.

Tronox LLC - Henderson  
 (continued)

**QC Ref #380214**
**Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08010223	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.2	UGL	92.8	( 85-115 )	
LCS2	Perchlorate	25.0	23.9	UGL	95.6	( 85-115 )	
LCS3	Perchlorate	4	3.97	UGL	99.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.2	UGL	96.8	( 80-120 )	
MSD	Perchlorate	25.0	22.8	UGL	91.2	( 80-120 )	
RPD_LCS	Perchlorate	92.800	95.600	UGL	3.0	( 0-15 )	
RPD_MS	Perchlorate	96.800	91.200	UGL	0.9	( 0-15 )	

**QC Ref #380366**
**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08030227	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	6510	6440	MGL		( 0-10 )	1.1
LCS1	Total Dissolved Solid (TDS)	175	174	MGL	99.4	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	686	MGL	98.0	( 80-114 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	99.429	98.000	MGL	1.4	( 0-20 )	

**QC Ref #380383**
**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08060279	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	34400	34400	MGL		( 0-10 )	0.0
LCS1	Total Dissolved Solid (TDS)	175	172	MGL	98.3	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	702	MGL	100.3	( 80-114 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			

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Tronox LLC - Henderson  
 (continued)

MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	( 50-150 )
RPD_LCS	Total Dissolved Solid (TDS)	98.286	100.286	MGL	2.0	( 0-20 )

**QC Ref #380839 Chromium, Total, ICAP**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08020327	MGL		( 0-0 )	
LCS1	Chromium, Total, ICAP	1.00	0.930	MGL	93.0	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.911	MGL	91.1	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.00994	MGL	99.4	( 50-150 )	
MS	Chromium, Total, ICAP	1.00	0.914	MGL	91.4	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	0.895	MGL	89.5	( 70-130 )	

**QC Ref #380840 Chromium, Total, ICAP**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08040004	MGL		( 0-0 )	
LCS1	Chromium, Total, ICAP	1.00	0.914	MGL	91.4	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.934	MGL	93.4	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.00994	MGL	99.4	( 50-150 )	
MS	Chromium, Total, ICAP	1.00	0.783	MGL	78.3	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	0.716	MGL	71.6	( 70-130 )	

**QC Ref #381972 PH (H3=past HT, not compliant)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	8.14	8.15	UNIT		( 0-20 )	0.1

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