



# 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)

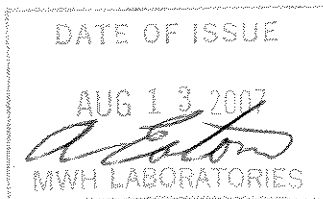
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton  
Project Manager



Report#: 211878  
Project: CLO4  
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 11 page[s].



## **MWH Laboratories**

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

August 13, 2007

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

Subject: Case Narrative report 211878

Enclosed is MWH Laboratories Report 211878

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on July 31, 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: None

Sincerely,

Andrew Eaton, PhD  
Project Manager



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

211878

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016  
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: OS

SAMPLE TEMP, RECEIPT AT LAB: 30

BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: PROJECT JOB # / P.O.#  
KERRMCGEE-MP: Collection Wells Fields - Weekly - SO #12373  
Thomas McDaniel  
Tronox LLC - Henderson Plant  
PO Box 55  
Henderson, NV 89009  
Susan Crowley (702) 651-2200

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES										ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)	SAMPLER COMMENTS	
							CL04	TD5	CR										
0530	7/30/07		ART-1	RSW	X		X	X											SBO - 12373 & 18787
0530	7/30/07		ART-2	RSW	X		X	X											
0530	7/30/07		ART-3	RSW	X		X	X											
0530	7/30/07		ART-4	RSW	X		X	X											
0530	7/30/07		ART-5	RSW	X		X	X											
0530	7/30/07		ART-6	RSW	X		X	X											
0530	7/30/07		ART-7	RSW	X		X	X											
0530	7/30/07		ART-8	RSW	X		X	X											
0600	7/30/07		PC-99R2/R3	RSW	X		X	X											
0600	7/30/07		PC-119R	RSW	X		X	X											
0600	7/30/07		PC-116R	RSW	X		X	X											
0600	7/30/07		Seep Surface Flow	RSW	X		X	X											

Reported by Weight:

SO = Soil  
SL = Sludge

Reported by Volume:

CFW = Chlorinated Finished Water  
FW = Other Finished Water

Reported by Weight:

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

Reported by Volume:

RGW = Raw Ground Water  
RSW = Raw Surface Water

REINQUISHED BY: Thomas McDaniel SIGNATURE: [Signature] PRINT NAME: Thomas McDaniel

RECEIVED BY: Joe Sanchez SIGNATURE: [Signature] PRINT NAME: JOE SANCHEZ

COMPANY/TITLE: Veolia Water for Tronox LLC - Henderson Plant

DATE: 7/30/2007 TIME: 1200pm

DATE: 7/31/07 TIME: 10:00



750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016  
(626) 386-1100 (800) 566-5227

M/LABS USE ONLY:  
LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 3°

BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)		SAMPLER COMMENTS	
KERRMCGEE-MP Sampler Signature: <i>Thomas McDaniel</i> Susan Crowley (702) 651-2200		Tronox LLC - Henderson Plant LLC PO Box 55 Henderson, NV 89009		Total Cl <sub>2</sub>		TDS			
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP			
6:00	7/30/07		SF-1	RSW	X				
6:00	7/30/07		PC-117	RSW	X				
6:00	7/30/07		PC-118	RSW	X				
6:00	7/30/07		PC-119	RSW	X				
6:00	7/30/07		PC-120	RSW	X				
6:00	7/30/07		PC-121	RSW	X				
6:00	7/30/07		PC-133	RSW	X				
5:30	7/30/07		ART-9	RSW	X				

\* MATRIX TYPES:

Reported by Volume:  
CFW = Chlor(amin)ated Finished Water  
FW = Other Finished Water

Reported by Weight:  
SO = Soil  
SL = Sludge  
CWW = Chlorinated Waste Water  
WW = Other Waste Water  
SW = Storm Water

RELINQUISHED BY: <i>Thomas McDaniel</i>	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY: <i>Joe Sancerator</i>		Thomas McDaniel	Veolia Water for Tronox LLC - Henderson Plant	7/30/2007	1200pm
RELINQUISHED BY: <i>Joe Sancerator</i>		JOE SANCERATOR	MWH	7.31.07	10:00
RECEIVED BY:					



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 KERFMCGEE-MP  
 Project Code CLO4  
 PO# / Job# GWREMEDICATION  
 Blanket PO

W Weekly  
 Week 1  
 Period

SO# 37044 12373 RS

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

Created by GJY

0

Ship Sample Kits to  
 Veolia Water-Tronox LLC  
 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  
 Attn: Accounts Payable  
 PO BOX 268859  
 Oklahoma City, OK 73126-8859

Order Date

07/02/07

Date Needed by Client

Date Samples to Arrive at MWL  
**SHIP LOCATION**

ATTN: Susan Crowley  
 PHONE: 702-651-2234

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

Quote#

GJY

# 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
30	CLO4, TDS,	1 250 ml poly /no preservative	-	Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC
-	SHEET OF LABELS WITH WELL-IDS	see comments section	-	PC-117, PC-118, PC-119, PC-120, and PC-121
-			-	PC-116R
-			-	PC-99R2
-			-	PC-99R3
-			-	PC-115R
-			-	ART-1
-			-	ART-2
-			-	ART-3
-			-	ART-4
-			-	ART-5
-			-	ART-6
-			-	ART-7
-			-	ART-8
-			-	Seep Surface Flow
-			-	SF-1"
-			-	Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
-			-	EXTRA BOTTLES INCLUDED
-			-	client code changed 7/25/03
-			-	Testcode updated 3-16-06
-			-	standing order changed 6-14-06
-			-	login note added 7-6-06
-			-	TDS



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: 142703

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>07/30/07</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>				CODE NO. WCN IS <b>1321.10400</b>	
LINE NO.				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.	
DESCRIPTION AND CLASSIFICATION <b>Weekly ART and PC Well Samples Not Regulated  One ice chest @ 30 lbs</b>				STOCK NO.	
				TOTAL QUANTITY <b>1 COOLER</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				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	
				0	
1		TOTAL GROSS WEIGHT 30		TOTAL TARE WEIGHT 0	
				30	
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>Judi Durkin</b>		AGENT PER	

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



CL5852987/2123

Ship Date: 30JUL07  
ActWgt: 30 LB  
System#: 2274147/NET7061  
Account#: S \*\*\*\*\*

Delivery Address Bar Code



Ref # MSO #142703 - 30.0 lbs.  
Invoice #  
PO #  
Dept #

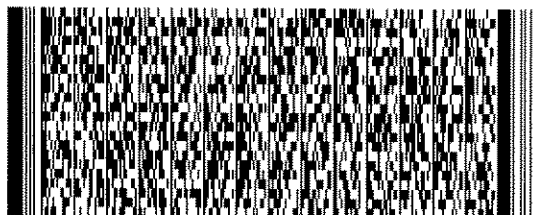
SHIP TO: (626)568-6400 **BILL SENDER**  
**ATTN: SAMPLE RECEIVING**  
**MONTGOMERY WATSON LABS**  
**750 ROYAL OAKS DR # 100**

**MONROVIA, CA 910163629**

**TUE - 31JUL A2**

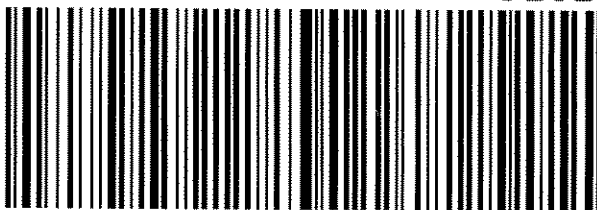
TRK# 7917 3176 0901  
0201

**PRIORITY OVERNIGHT**



**QZ-WHPA**

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



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.

SCANNED

**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#: 211878  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **07/31/07**. 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
2707310160	ART-1	CLO4 TDS	Water	30-jul-2007 05:30:00
2707310161	ART-2	CLO4 TDS	Water	30-jul-2007 05:30:00
2707310162	ART-3	CLO4 TDS	Water	30-jul-2007 05:30:00
2707310163	ART-4	CLO4 TDS	Water	30-jul-2007 05:30:00
2707310164	ART-6	CLO4 TDS	Water	30-jul-2007 05:30:00
2707310165	ART-7	CLO4 TDS	Water	30-jul-2007 05:30:00
2707310166	ART-8	CLO4 TDS	Water	30-jul-2007 05:30:00
2707310167	PC-99R2/R3	CLO4 TDS	Water	30-jul-2007 06:00:00
2707310168	PC-115R	CLO4 TDS	Water	30-jul-2007 06:00:00
2707310169	PC-116R	CLO4 TDS	Water	30-jul-2007 06:00:00
2707310170	SF-1	CLO4 TDS	Water	30-jul-2007 06:00:00
2707310171	PC-117	CLO4 TDS	Water	30-jul-2007 06:00:00
2707310172	PC-118	CLO4 TDS	Water	30-jul-2007 06:00:00
2707310173	PC-119	CLO4 TDS	Water	30-jul-2007 06:00:00
2707310174	PC-120	CLO4 TDS	Water	30-jul-2007 06:00:00
2707310175	PC-121	CLO4 TDS	Water	30-jul-2007 06:00:00
2707310176	PC-133	CLO4 TDS	Water	30-jul-2007 06:00:00



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#: 211878  
Project#: CLO4  
Proj Mgr: Andrew Eaton  
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2707310177	ART-9	CLO4 TDS	Water	30-jul-2007 05:30:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)



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Report  
Comments  
#211878

**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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 Monrovia, California 91016-3629  
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Laboratory  
 Hits Report  
 #211878

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

Samples Received  
 31-jul-2007 14:28:58

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2707310160</b>	<b>ART-1</b>				
08/02/07	Perchlorate		86		ug/l	10
08/02/07	Total Dissolved Solid (TDS)		6980	500	mg/l	10
	<b>2707310161</b>	<b>ART-2</b>				
08/02/07	Perchlorate		79300		ug/l	10000
08/02/07	Total Dissolved Solid (TDS)		9620	500	mg/l	10
	<b>2707310162</b>	<b>ART-3</b>				
08/02/07	Perchlorate		321000		ug/l	40000
08/02/07	Total Dissolved Solid (TDS)		9040	500	mg/l	10
	<b>2707310163</b>	<b>ART-4</b>				
08/02/07	Perchlorate		315000		ug/l	40000
08/02/07	Total Dissolved Solid (TDS)		6470	500	mg/l	10
	<b>2707310164</b>	<b>ART-6</b>				
08/02/07	Perchlorate		82600		ug/l	20000
08/02/07	Total Dissolved Solid (TDS)		7560	500	mg/l	10
	<b>2707310165</b>	<b>ART-7</b>				
08/02/07	Perchlorate		136000		ug/l	20000
08/02/07	Total Dissolved Solid (TDS)		10200	500	mg/l	10
	<b>2707310166</b>	<b>ART-8</b>				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Hits Report  
#211878

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

Samples Received  
31-jul-2007 14:28:58

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2707310166</b>	<b>ART-8</b>				
08/02/07	Perchlorate		273000		ug/l	40000
08/02/07	Total Dissolved Solid (TDS)		10000	500	mg/l	10
	<b>2707310167</b>	<b>PC-99R2/R3</b>				
08/02/07	Perchlorate		11500		ug/l	2000
08/02/07	Total Dissolved Solid (TDS)		3910	500	mg/l	10
	<b>2707310168</b>	<b>PC-115R</b>				
08/02/07	Perchlorate		12000		ug/l	2000
08/02/07	Total Dissolved Solid (TDS)		4030	500	mg/l	10
	<b>2707310169</b>	<b>PC-116R</b>				
08/02/07	Perchlorate		8470		ug/l	2000
08/02/07	Total Dissolved Solid (TDS)		4060	500	mg/l	10
	<b>2707310170</b>	<b>SF-1</b>				
08/02/07	Total Dissolved Solid (TDS)		6030	500	mg/l	10
	<b>2707310171</b>	<b>PC-117</b>				
08/03/07	Perchlorate		2860		ug/l	400
08/02/07	Total Dissolved Solid (TDS)		3350	500	mg/l	10
	<b>2707310172</b>	<b>PC-118</b>				
08/03/07	Perchlorate		9370		ug/l	800

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Hits Report  
#211878

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

Samples Received  
31-jul-2007 14:28:58

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707310172	PC-118				
08/02/07	Total Dissolved Solid (TDS)		4100	500	mg/l	10
	2707310173	PC-119				
08/03/07	Perchlorate		7140		ug/l	400
08/02/07	Total Dissolved Solid (TDS)		3970	500	mg/l	10
	2707310174	PC-120				
08/03/07	Perchlorate		1880		ug/l	400
08/02/07	Total Dissolved Solid (TDS)		2840	500	mg/l	10
	2707310175	PC-121				
08/03/07	Perchlorate		1340		ug/l	400
08/02/07	Total Dissolved Solid (TDS)		2620	500	mg/l	10
	2707310176	PC-133				
08/05/07	Perchlorate		4000		ug/l	400
08/02/07	Total Dissolved Solid (TDS)		3400	500	mg/l	10
	2707310177	ART-9				
08/03/07	Perchlorate		342000		ug/l	40000
08/02/07	Total Dissolved Solid (TDS)		7990	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
 Data Report  
 #211878

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

Samples Received  
 07/31/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>ART-1 (2707310160)</b>				<b>Sampled on 07/30/07 05:30</b>				
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	86	ug/l	10	5
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	6980	mg/l	10	1
<b>ART-2 (2707310161)</b>				<b>Sampled on 07/30/07 05:30</b>				
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	79300	ug/l	10000	2500
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	9620	mg/l	10	1
<b>ART-3 (2707310162)</b>				<b>Sampled on 07/30/07 05:30</b>				
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	321000	ug/l	40000	10000
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	9040	mg/l	10	1
<b>ART-4 (2707310163)</b>				<b>Sampled on 07/30/07 05:30</b>				
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	315000	ug/l	40000	10000
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	6470	mg/l	10	1
<b>ART-6 (2707310164)</b>				<b>Sampled on 07/30/07 05:30</b>				
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	82600	ug/l	20000	5000
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	7560	mg/l	10	1
<b>ART-7 (2707310165)</b>				<b>Sampled on 07/30/07 05:30</b>				
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	136000	ug/l	20000	5000
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	10200	mg/l	10	1
<b>ART-8 (2707310166)</b>				<b>Sampled on 07/30/07 05:30</b>				
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	273000	ug/l	40000	10000
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	10000	mg/l	10	1



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Laboratory  
 Data Report  
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Tronox LLC - Henderson  
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-99R2/R3 (2707310167)                      Sampled on 07/30/07 06:00</b>								
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	11500	ug/l	2000	500
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3910	mg/l	10	1
<b>PC-115R (2707310168)                      Sampled on 07/30/07 06:00</b>								
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	12000	ug/l	2000	500
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	4030	mg/l	10	1
<b>PC-116R (2707310169)                      Sampled on 07/30/07 06:00</b>								
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	8470	ug/l	2000	500
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	4060	mg/l	10	1
<b>SF-1 (2707310170)                          Sampled on 07/30/07 06:00</b>								
	08/02/07 12:15	379598	( EPA 314 )	Perchlorate	ND	ug/l	10	5
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	6030	mg/l	10	1
<b>PC-117 (2707310171)                      Sampled on 07/30/07 06:00</b>								
	08/03/07 00:01	379598	( EPA 314 )	Perchlorate	2860	ug/l	400	100
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3350	mg/l	10	1
<b>PC-118 (2707310172)                      Sampled on 07/30/07 06:00</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	9370	ug/l	800	200
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	4100	mg/l	10	1
<b>PC-119 (2707310173)                      Sampled on 07/30/07 06:00</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	7140	ug/l	400	100
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3970	mg/l	10	1
<b>PC-120 (2707310174)                      Sampled on 07/30/07 06:00</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	1880	ug/l	400	100
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	2840	mg/l	10	1



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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-121 (2707310175)                      Sampled on 07/30/07 06:00</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	1340	ug/l	400	100
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	2620	mg/l	10	1
<b>PC-133 (2707310176)                      Sampled on 07/30/07 06:00</b>								
	08/05/07 00:10	379890	( EPA 314 )	Perchlorate	4000	ug/l	400	100
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3400	mg/l	10	1
<b>ART-9 (2707310177)                      Sampled on 07/30/07 05:30</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	342000	ug/l	40000	10000
08/02/07	08/02/07 12:00	379891	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	7990	mg/l	10	1





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Tronox LLC - Henderson

QC Ref #379598 - Perchlorate

Analysis Date: 08/02/2007

2707310160	ART-1	Analyzed by: clv
2707310161	ART-2	Analyzed by: clv
2707310162	ART-3	Analyzed by: clv
2707310163	ART-4	Analyzed by: clv
2707310164	ART-6	Analyzed by: clv
2707310165	ART-7	Analyzed by: clv
2707310166	ART-8	Analyzed by: clv
2707310167	PC-99R2/R3	Analyzed by: clv
2707310168	PC-115R	Analyzed by: clv
2707310169	PC-116R	Analyzed by: clv
2707310170	SF-1	Analyzed by: clv
2707310171	PC-117	Analyzed by: clv

QC Ref #379600 - Perchlorate

Analysis Date: 08/03/2007

2707310172	PC-118	Analyzed by: clv
2707310173	PC-119	Analyzed by: clv
2707310174	PC-120	Analyzed by: clv
2707310175	PC-121	Analyzed by: clv
2707310177	ART-9	Analyzed by: clv

QC Ref #379890 - Perchlorate

Analysis Date: 08/05/2007

2707310176	PC-133	Analyzed by: clv
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QC Ref #379891 - Total Dissolved Solid (TDS)

Analysis Date: 08/02/2007

2707310160	ART-1	Analyzed by: yvette
2707310161	ART-2	Analyzed by: yvette
2707310162	ART-3	Analyzed by: yvette
2707310163	ART-4	Analyzed by: yvette
2707310164	ART-6	Analyzed by: yvette
2707310165	ART-7	Analyzed by: yvette
2707310166	ART-8	Analyzed by: yvette
2707310167	PC-99R2/R3	Analyzed by: yvette
2707310168	PC-115R	Analyzed by: yvette
2707310169	PC-116R	Analyzed by: yvette
2707310170	SF-1	Analyzed by: yvette
2707310171	PC-117	Analyzed by: yvette
2707310172	PC-118	Analyzed by: yvette



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QC Summary  
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Tronox LLC - Henderson  
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2707310173	PC-119	Analyzed by: yvette
2707310174	PC-120	Analyzed by: yvette
2707310175	PC-121	Analyzed by: yvette
2707310176	PC-133	Analyzed by: yvette
2707310177	ART-9	Analyzed by: yvette



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 #211878

Tronox LLC - Henderson

## QC Ref #379598

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	07310217	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.2	UGL	92.8	( 85-115 )	
LCS2	Perchlorate	25.0	23.3	UGL	93.2	( 85-115 )	
LCS3	Perchlorate	4	4.29	UGL	107.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.2	UGL	92.8	( 80-120 )	
MSD	Perchlorate	25.0	22.5	UGL	90.0	( 80-120 )	
RPD_LCS	Perchlorate	92.800	93.200	UGL	0.4	( 0-15 )	
RPD_MS	Perchlorate	92.800	90.000	UGL	1.0	( 0-15 )	

## QC Ref #379600

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	07310391	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.2	UGL	100.8	( 85-115 )	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	( 85-115 )	
LCS3	Perchlorate	4	4.01	UGL	100.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.9	UGL	91.6	( 80-120 )	
MSD	Perchlorate	25.0	24.8	UGL	99.2	( 80-120 )	
RPD_LCS	Perchlorate	100.800	103.200	UGL	2.4	( 0-15 )	
RPD_MS	Perchlorate	91.600	99.200	UGL	1.1	( 0-15 )	

## QC Ref #379890

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08020342	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.5	UGL	102.0	( 85-115 )	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	( 85-115 )	
LCS3	Perchlorate	4	4.31	UGL	107.7	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			

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.



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MS	Perchlorate	25.0	21.9	UGL	87.6	( 80-120 )
MSD	Perchlorate	25.0	24.8	UGL	99.2	( 80-120 )
RPD_LCS	Perchlorate	102.000	103.200	UGL	1.2	( 0-15 )
RPD_MS	Perchlorate	87.600	99.200	UGL	1.1	( 0-15 )

## QC Ref #379891 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07310160	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	6980	6960	MGL		( 0-10 )	0.3
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	704	MGL	100.6	( 80-114 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	101.714	100.571	MGL	1.1	( 0-20 )	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
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are advisory only, unless otherwise specified in the method.