



# 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)

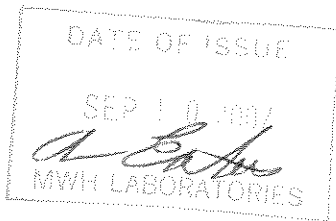
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton  
Project Manager



Report#: 213892  
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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Monrovia, California 91016-3629  
Tel: 626 386 1100  
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1 800 566 LABS (1 800 566 5227)

September 10, 2007

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

Subject: Case Narrative report 213892

Enclosed is MWH Laboratories Report 213892

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 21, 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

213892

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

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 Michele Brown Susan Crowley (702) 651-2200		Collection Wells Fields - Weekly - SO #12373 Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009														<input checked="" type="checkbox"/> (check for yes)				
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CL04	TDS	CR											
0530	8/20/07		ART-1	RSW	X		X													SBO - 12373 & 18787
0530	8/20/07		ART-2	RSW	X		X													
0530	8/20/07		ART-3	RSW	X		X													
0530	8/20/07		ART-4	RSW	X		X													
0530	8/20/07		ART-5	RSW	X		X													NO SAMPLE
0530	8/20/07		ART-6	RSW	X		X													
0530	8/20/07		ART-7	RSW	X		X													
0530	8/20/07		ART-8	RSW	X		X													
0600	8/20/07		PC-99R2/R3	RSW	X		X													
0600	8/20/07		PC-115R	RSW	X		X													
0600	8/20/07		PC-116R	RSW	X		X													
0600	8/20/07		Seep Surface Flow	RSW	X		X													NO SAMPLE

\* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(aminated) 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

REPORTED BY: Michele Brown

Veolia Water for Tronox LLC - Henderson Plant

8/20/2007 12:00pm

RELINQUISHED BY:

RECEIVED BY: [Signature]

8-21-07 10:30



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

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:

SAMPLE TEMP. RECEIPT AT LAB:

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												(check for yes)					
KERRMCGEE-MP Michele Brown Susan Crowley (702) 651-2200		Collection Wells Fields - Monthly - SO #12373		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)												<input checked="" type="checkbox"/>					
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	Total Cl <sub>2</sub>	TDS	CR												SAMPLER COMMENTS
6:00	8/20/07		SF-1	RSW	X		X	X													
6:00	8/20/07		PC-117	RSW	X		X	X													
6:00	8/20/07		PC-118	RSW	X		X	X													
6:00	8/20/07		PC-119	RSW	X		X	X													
6:00	8/20/07		PC-120	RSW	X		X	X													
6:00	8/20/07		PC-121	RSW	X		X	X													
6:00	8/20/07		PC-133	RSW	X		X	X													
5:30	8/20/07		ART-9	RSW	X		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

RELINQUISHED BY: <i>Michele Brown</i>	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY: <i>Susan Crowley</i>		Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	8/20/2007	1200pm
RELINQUISHED BY:					
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 Tronox 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# GWREMEDICATION  
Blanket PO

**SO# 37328** 12373 RS

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

Created by GJY  
Order Date 07/16/07  
Date Needed by Client  
SHIP LOCATION

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

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

Billing Address  
Tronox LLC  
Attn: Accounts Payable  
P.O. BOX 268859  
Oklahoma City, OK 73126-8859

ATTN: Susan Crowley  
PHONE: 702-651-2234

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

**Quote#**

GJY

# of Samples Tests

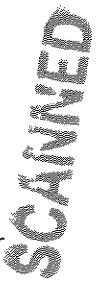
Bottles-Qty for each sample, type & preservative if any

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

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number 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: 142734

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.

SCANNED

CARRIER <b>Federal Express</b>		Date <b>08/20/07</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/AR			CUSTOMER PO OR REQ'N NO.		
SHIPPED FROM <b>Henderson, NV</b>			CODE NO. WCN IS <b>1321.10400</b>		
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY		
	<b>Weekly ART and PC Well Samples Not Regulated</b>		<b>1 COOLER</b>		
	<b>One ice chest @ 35 lbs each</b>				
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		
<b>1</b>	<b>35</b>	<b>0</b>	<b>35</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 _____					
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, P.O. 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



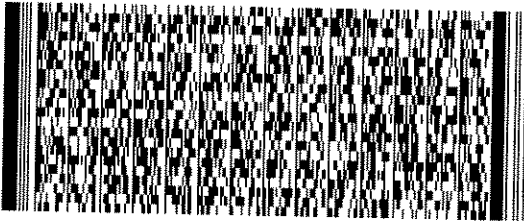
Ship Date: 20AUG07  
ActWgt: 35 LB  
System#: 2274147/INET2600  
Account#: S \*\*\*\*\*

Delivery Address Bar Code



Ref # MSO #142734 - 35.0 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**

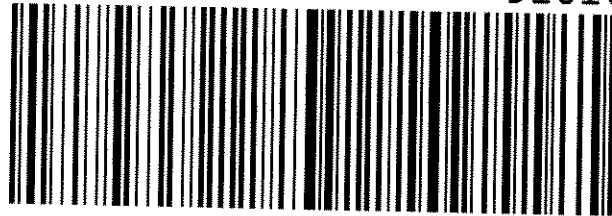


TRK# 7924 0014 8557  
0201

**TUE - 21AUG 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#: 213892  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **08/21/07**. 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
2708210493	ART-1	CLO4 TDS	Water	20-aug-2007 05:30:00
2708210494	ART-2	CLO4 TDS	Water	20-aug-2007 05:30:00
2708210496	ART-3	CLO4 TDS	Water	20-aug-2007 05:30:00
2708210498	ART-4	CLO4 TDS	Water	20-aug-2007 05:30:00
2708210500	ART-6	CLO4 TDS	Water	20-aug-2007 05:30:00
2708210502	ART-7	CLO4 TDS	Water	20-aug-2007 05:30:00
2708210504	ART-8	CLO4 TDS	Water	20-aug-2007 05:30:00
2708210506	PC-99R2/R3	CLO4 TDS	Water	20-aug-2007 06:00:00
2708210507	PC-115R	CLO4 TDS	Water	20-aug-2007 06:00:00
2708210509	PC-116R	CLO4 TDS	Water	20-aug-2007 06:00:00
2708210511	SF-1	CLO4 TDS	Water	20-aug-2007 06:00:00
2708210512	PC-117	CLO4 TDS	Water	20-aug-2007 06:00:00
2708210513	PC-118	CLO4 TDS	Water	20-aug-2007 06:00:00
2708210514	PC-119	CLO4 TDS	Water	20-aug-2007 06:00:00
2708210515	PC-120	CLO4 TDS	Water	20-aug-2007 06:00:00
2708210516	PC-121	CLO4 TDS	Water	20-aug-2007 06:00:00
2708210517	PC-133	CLO4 TDS	Water	20-aug-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#: 213892  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2708210518	ART-9	CLO4 TDS	Water	20-aug-2007 05:30:00

Test Acronym Description

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



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Report  
Comments  
#213892

## 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: *A. Estro*



750 Royal Oaks Drive, Suite 100  
 Monrovia, California 91016-3629  
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Laboratory  
 Hits Report  
 #213892

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

Samples Received  
 21-aug-2007 15:39:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2708210493	ART-1				
08/22/07	Perchlorate		64		ug/l	10
08/24/07	Total Dissolved Solid (TDS)		6850	500	mg/l	10
	2708210494	ART-2				
08/22/07	Perchlorate		73500		ug/l	10000
08/24/07	Total Dissolved Solid (TDS)		9140	500	mg/l	10
	2708210496	ART-3				
08/22/07	Perchlorate		317000		ug/l	40000
08/24/07	Total Dissolved Solid (TDS)		8720	500	mg/l	10
	2708210498	ART-4				
08/22/07	Perchlorate		282000		ug/l	40000
08/24/07	Total Dissolved Solid (TDS)		6330	500	mg/l	10
	2708210500	ART-6				
08/22/07	Perchlorate		77700		ug/l	20000
08/24/07	Total Dissolved Solid (TDS)		7430	500	mg/l	10
	2708210502	ART-7				
08/22/07	Perchlorate		123000		ug/l	20000
08/27/07	Total Dissolved Solid (TDS)		9680	500	mg/l	10
	2708210504	ART-8				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Hits Report  
#213892

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

Samples Received  
21-aug-2007 15:39:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2708210504	ART-8				
08/22/07	Perchlorate		240000		ug/l	40000
08/27/07	Total Dissolved Solid (TDS)		9640	500	mg/l	10
	2708210506	PC-99R2/R3				
09/06/07	Perchlorate		9420		ug/l	2000
08/27/07	Total Dissolved Solid (TDS)		3550	500	mg/l	10
	2708210507	PC-115R				
08/22/07	Perchlorate		9520		ug/l	2000
08/27/07	Total Dissolved Solid (TDS)		3820	500	mg/l	10
	2708210509	PC-116R				
08/22/07	Perchlorate		6340		ug/l	2000
08/27/07	Total Dissolved Solid (TDS)		3840	500	mg/l	10
	2708210511	SF-1				
08/27/07	Total Dissolved Solid (TDS)		6120	500	mg/l	10
	2708210512	PC-117				
08/22/07	Perchlorate		2260		ug/l	400
08/27/07	Total Dissolved Solid (TDS)		3210	500	mg/l	10
	2708210513	PC-118				
08/22/07	Perchlorate		8770		ug/l	800

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
 Hits Report  
 #213892

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

Samples Received  
 21-aug-2007 15:39:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2708210513	PC-118				
08/27/07	Total Dissolved Solid (TDS)		3950	500	mg/l	10
	2708210514	PC-119				
08/29/07	Perchlorate		4080		ug/l	400
08/27/07	Total Dissolved Solid (TDS)		3440	500	mg/l	10
	2708210515	PC-120				
08/29/07	Perchlorate		1520		ug/l	400
08/27/07	Total Dissolved Solid (TDS)		2730	500	mg/l	10
	2708210516	PC-121				
08/29/07	Perchlorate		1560		ug/l	400
08/27/07	Total Dissolved Solid (TDS)		2760	500	mg/l	10
	2708210517	PC-133				
08/29/07	Perchlorate		3200		ug/l	400
08/27/07	Total Dissolved Solid (TDS)		3140	500	mg/l	10
	2708210518	ART-9				
08/29/07	Perchlorate		320000		ug/l	40000
08/27/07	Total Dissolved Solid (TDS)		7770	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Data Report  
#213892

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

Samples Received  
08/21/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>ART-1 (2708210493)                      Sampled on 08/20/07 05:30</b>								
	08/22/07 10:30	382278	( EPA 314	) Perchlorate	64	ug/l	10	5
08/24/07	08/24/07 15:00	382965	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	6850	mg/l	10	1
<b>ART-2 (2708210494)                      Sampled on 08/20/07 05:30</b>								
	08/22/07 10:30	382278	( EPA 314	) Perchlorate	73500	ug/l	10000	2500
08/24/07	08/24/07 15:00	382965	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	9140	mg/l	10	1
<b>ART-3 (2708210496)                      Sampled on 08/20/07 05:30</b>								
	08/22/07 10:30	382278	( EPA 314	) Perchlorate	317000	ug/l	40000	10000
08/24/07	08/24/07 15:00	382965	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	8720	mg/l	10	1
<b>ART-4 (2708210498)                      Sampled on 08/20/07 05:30</b>								
	08/22/07 10:30	382278	( EPA 314	) Perchlorate	282000	ug/l	40000	10000
08/24/07	08/24/07 15:00	382965	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	6330	mg/l	10	1
<b>ART-6 (2708210500)                      Sampled on 08/20/07 05:30</b>								
	08/22/07 10:30	382278	( EPA 314	) Perchlorate	77700	ug/l	20000	5000
08/24/07	08/24/07 15:00	382965	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	7430	mg/l	10	1
<b>ART-7 (2708210502)                      Sampled on 08/20/07 05:30</b>								
	08/22/07 10:30	382278	( EPA 314	) Perchlorate	123000	ug/l	20000	5000
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	9680	mg/l	10	1
<b>ART-8 (2708210504)                      Sampled on 08/20/07 05:30</b>								
	08/22/07 10:30	382278	( EPA 314	) Perchlorate	240000	ug/l	40000	10000
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	9640	mg/l	10	1



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Laboratory  
Data Report  
#213892

Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-99R2/R3 (2708210506)                      Sampled on 08/20/07 06:00</b>								
	09/06/07 11:09	384555	( EPA 314 )	Perchlorate	9420	ug/l	2000	500
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3550	mg/l	10	1
<b>PC-115R (2708210507)                      Sampled on 08/20/07 06:00</b>								
	08/22/07 10:30	382278	( EPA 314 )	Perchlorate	9520	ug/l	2000	500
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3820	mg/l	10	1
<b>PC-116R (2708210509)                      Sampled on 08/20/07 06:00</b>								
	08/22/07 10:30	382278	( EPA 314 )	Perchlorate	6340	ug/l	2000	500
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3840	mg/l	10	1
<b>SF-1 (2708210511)                              Sampled on 08/20/07 06:00</b>								
	08/22/07 10:30	382278	( EPA 314 )	Perchlorate	ND	ug/l	10	5
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	6120	mg/l	10	1
<b>PC-117 (2708210512)                      Sampled on 08/20/07 06:00</b>								
	08/22/07 10:30	382278	( EPA 314 )	Perchlorate	2260	ug/l	400	100
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3210	mg/l	10	1
<b>PC-118 (2708210513)                      Sampled on 08/20/07 06:00</b>								
	08/22/07 10:30	382278	( EPA 314 )	Perchlorate	8770	ug/l	800	200
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3950	mg/l	10	1
<b>PC-119 (2708210514)                      Sampled on 08/20/07 06:00</b>								
	08/29/07 11:14	383225	( EPA 314 )	Perchlorate	4080	ug/l	400	100
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3440	mg/l	10	1
<b>PC-120 (2708210515)                      Sampled on 08/20/07 06:00</b>								
	08/29/07 11:14	383225	( EPA 314 )	Perchlorate	1520	ug/l	400	100
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	2730	mg/l	10	1



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Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-121 (2708210516)                    Sampled on 08/20/07 06:00</b>								
	08/29/07 11:14	383225	( EPA 314 )	Perchlorate	1560	ug/l	400	100
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	2760	mg/l	10	1
<b>PC-133 (2708210517)                    Sampled on 08/20/07 06:00</b>								
	08/29/07 11:14	383225	( EPA 314 )	Perchlorate	3200	ug/l	400	100
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3140	mg/l	10	1
<b>ART-9 (2708210518)                    Sampled on 08/20/07 05:30</b>								
	08/29/07 11:14	383225	( EPA 314 )	Perchlorate	320000	ug/l	40000	10000
08/27/07	08/27/07 15:00	383332	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	7770	mg/l	10	1





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Laboratory  
QC Summary  
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Tronox LLC - Henderson

## QC Ref #382278 - Perchlorate

Analysis Date: 08/22/2007

2708210493	ART-1	Analyzed by: clv
2708210494	ART-2	Analyzed by: clv
2708210496	ART-3	Analyzed by: clv
2708210498	ART-4	Analyzed by: clv
2708210500	ART-6	Analyzed by: clv
2708210502	ART-7	Analyzed by: clv
2708210504	ART-8	Analyzed by: clv
2708210507	PC-115R	Analyzed by: clv
2708210509	PC-116R	Analyzed by: clv
2708210511	SF-1	Analyzed by: clv
2708210512	PC-117	Analyzed by: clv
2708210513	PC-118	Analyzed by: clv

## QC Ref #382965 - Total Dissolved Solid (TDS)

Analysis Date: 08/24/2007

2708210493	ART-1	Analyzed by: yvette
2708210494	ART-2	Analyzed by: yvette
2708210496	ART-3	Analyzed by: yvette
2708210498	ART-4	Analyzed by: yvette
2708210500	ART-6	Analyzed by: yvette

## QC Ref #383225 - Perchlorate

Analysis Date: 08/29/2007

2708210514	PC-119	Analyzed by: clv
2708210515	PC-120	Analyzed by: clv
2708210516	PC-121	Analyzed by: clv
2708210517	PC-133	Analyzed by: clv
2708210518	ART-9	Analyzed by: clv

## QC Ref #383332 - Total Dissolved Solid (TDS)

Analysis Date: 08/27/2007

2708210502	ART-7	Analyzed by: yvette
2708210504	ART-8	Analyzed by: yvette
2708210506	PC-99R2/R3	Analyzed by: yvette
2708210507	PC-115R	Analyzed by: yvette
2708210509	PC-116R	Analyzed by: yvette
2708210511	SF-1	Analyzed by: yvette
2708210512	PC-117	Analyzed by: yvette
2708210513	PC-118	Analyzed by: yvette
2708210514	PC-119	Analyzed by: yvette



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QC Summary  
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Tronox LLC - Henderson  
(continued)

2708210515	PC-120	Analyzed by: yvette
2708210516	PC-121	Analyzed by: yvette
2708210517	PC-133	Analyzed by: yvette
2708210518	ART-9	Analyzed by: yvette

QC Ref #384555 - Perchlorate

Analysis Date: 09/06/2007

2708210506 PC-99R2/R3

Analyzed by: clv



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Tronox LLC - Henderson

## QC Ref #382278

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08210496	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.7	UGL	94.8	( 85-115 )	
LCS2	Perchlorate	25.0	23.1	UGL	92.4	( 85-115 )	
LCS3	Perchlorate	4	3.94	UGL	98.5	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	26.7	UGL	106.8	( 80-120 )	
MSD	Perchlorate	25.0	29.6	UGL	118.4	( 80-120 )	
RPD_LCS	Perchlorate	94.800	92.400	UGL	2.6	( 0-15 )	
RPD_MS	Perchlorate	106.800	118.400	UGL	1.1	( 0-15 )	

## QC Ref #382965

## Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08210611	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	516	512	MGL		( 0-10 )	0.8
LCS1	Total Dissolved Solid (TDS)	175	184	MGL	105.1	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	700	MGL	100.0	( 80-114 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	14	MGL	140.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	105.143	100.000	MGL	5.0	( 0-20 )	

## QC Ref #383225

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08280180	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	27.0	UGL	108.0	( 85-115 )	
LCS2	Perchlorate	25.0	27.4	UGL	109.6	( 85-115 )	
LCS3	Perchlorate	4	4.27	UGL	106.7	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	29.0	UGL	116.0	( 80-120 )	
MSD	Perchlorate	25.0	27.2	UGL	108.8	( 80-120 )	

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  
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RPD_LCS	Perchlorate	108.000	109.600	UGL	1.5	( 0-15 )
RPD_MS	Perchlorate	116.000	108.800	UGL	0.9	( 0-15 )

**QC Ref #383332 Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08220002	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	2616	2624	MGL		( 0-10 )	0.3
LCS1	Total Dissolved Solid (TDS)	175	168	MGL	96.0	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	706	MGL	100.9	( 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)	96.000	100.857	MGL	4.9	( 0-20 )	

**QC Ref #384555 Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	09050413	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.4	UGL	101.6	( 85-115 )	
LCS2	Perchlorate	25.0	25.2	UGL	100.8	( 85-115 )	
LCS3	Perchlorate	4	3.56	UGL	89.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.2	UGL	96.8	( 80-120 )	
MSD	Perchlorate	25.0	22.5	UGL	90.0	( 80-120 )	
RPD_LCS	Perchlorate	101.600	100.800	UGL	0.8	( 0-15 )	
RPD_MS	Perchlorate	96.800	90.000	UGL	0.9	( 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.