



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)

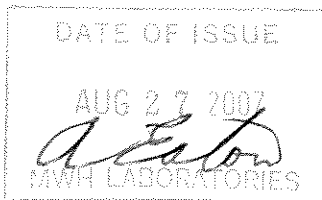
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager



Report#: 212281
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 12 page[s].



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August 27, 2007

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

Subject: Case Narrative report 212281

Enclosed is MWH Laboratories Report 212281

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 4, 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:

TDS for several sites was re-tested after the holding time because initial values were not consistent with historical data.

pH for several samples was re-performed after the internal lab holding time due to a continuing calibration issue on the initial analysis. The retests from past the internal lab hold time are reported. Field pH values should be used for greatest accuracy.

The spike recovery for chromium was flagged as M3, because the spike amount was much lower than the ambient concentration and accuracy of spike recovery is meaningless.

Sincerely,

Andrew Eaton, PhD
Project Manager



2/22/01

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: J.S.

SAMPLE TEMP, RECEIPT AT LAB: 4

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#
Quarterly Groundwater Sampling
Schedule B

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES (check for yes)

KERRMCGEE-MP

Sampler: Michele Brown

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

Susan Crowley (702) 651-2234

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 8010	PH 9040	TDS	CLO4	CRM 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
6:00	8-3-01		M-85	RGW	X		X	X	X	X					2 Bottles
6:13	8-3-01		M-85	RGW	X		X	X	X	X					2 Bottles
6:26	8-3-01		M-90	RGW	X		X	X	X	X					2 Bottles
6:38	8-3-01		M-91	RGW	X		X	X	X	X					2 Bottles
6:58	8-3-01		M-72	RGW	X		X	X	X	X					2 Bottles
7:10	8-3-01		M-22A	RGW	X		X	X	X	X					2 Bottles
7:23	8-3-01		M-38	RGW	X		X	X	X	X					2 Bottles
7:39	8-3-01		M-89	RGW	X		X	X	X	X					2 Bottles
7:53	8-3-01		M-174	RGW	X		X	X	X	X					2 Bottles
8:10	8-3-01		M-115	RGW	X		X	X	X	X					2 Bottles
8:22	8-3-01		M-14A	RGW	X		X	X	X	X					2 Bottles

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

RGW = Raw Ground Water RSW = Raw Surface Water

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

Reported by Weight: SO = Soil SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RETURNED BY: Michele Brown
RECEIVED BY: Joe Sanchez
RELINQUISHED BY:
RECEIVED BY:

Michele Brown

JOE SANCHEZ

Veolia Water NA for Tronox LLC - Henderson Plant

MWH

8-3-01 12:00PM

8-4-01 10:00



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 KERRMC GEE-MP
 Project Code CLO4
 PO# / Job#
 Blanket PO

Period

SO# 36799 33899 RS

Sampler: Please Return this Paper with your samples

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

Billing Address

Tronox LLC
 P.O. Box 3049
 Livonia, MI 48150

Created by
 Order Date

06/12/07

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#

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		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

Prepared By

Tracking Number

Qty of Coolers

Carrier

Date Shipped

Status

Active Code

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: 142715

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 Federal Express		Date 08/03/07	FROM NO. STATION: STATE Henderson, NV 89015	
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400			Authorization S. CROWLEY	
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 Henderson, NV			CODE NO. WCN IS 1321.10400 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.	
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY	
	Quarterly Monitoring Well Samples		1 COOLER	
	One ice chest @ 50			
	Not Regulated		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. TRONOX LLC	
TRUCK SHIPMENTS			FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT 800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.	
PLACARDS OFFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PLACARDS ACCEPTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	
		0		
1	TOTAL GROSS WEIGHT 50	TOTAL TARE WEIGHT 0	50	
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



CL 58529872 V23

Ship Date: 03AUG07
 ActWgt: 50 LB
 System#: 2274147/INET7061
 Account#: S *****

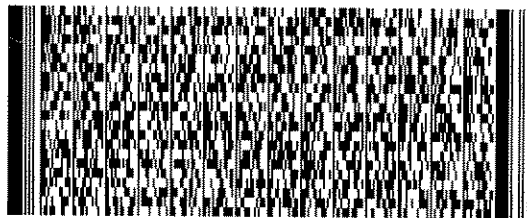
Delivery Address Bar Code



Ref # MSO #142715
 Invoice #
 PO #
 Dept #

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

MONROVIA, CA 910163629

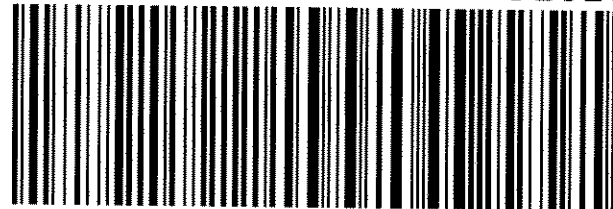


TRK# 7982 3362 8391
 0201

SATURDAY ### A2
PRIORITY

X0-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#: 212281
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **08/04/07**. 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
2708040001	M-85	CLO4 CR6010	Water P PH9040	03-aug-2007 06:00:00 TDS
2708040002	M-83	CLO4 CR6010	Water P PH9040	03-aug-2007 06:13:00 TDS
2708040003	M-70	CLO4 CR6010	Water P PH9040	03-aug-2007 06:26:00 TDS
2708040004	M-71	CLO4 CR6010	Water P PH9040	03-aug-2007 06:38:00 TDS
2708040005	M-72	CLO4 CR6010	Water P PH9040	03-aug-2007 06:58:00 TDS
2708040006	M-22A	CLO4 CR6010	Water P PH9040	03-aug-2007 07:10:00 TDS
2708040007	M-38	CLO4 CR6010	Water P PH9040	03-aug-2007 07:23:00 TDS
2708040008	M-89	CLO4 CR6010	Water P PH9040	03-aug-2007 07:39:00 TDS
2708040009	M-17A	CLO4 CR6010	Water P PH9040	03-aug-2007 07:53:00 TDS
2708040010	M-115	CLO4 CR6010	Water P PH9040	03-aug-2007 08:10:00 TDS
2708040011	M-14A	CLO4 CR6010	Water P PH9040	03-aug-2007 08:22:00 TDS

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
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
#212281

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#: 2708040006)

Test: Chromium, Total, ICAP (ML/EPA 6010B)

M3 - The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.

(QC Ref#: 2708040008)

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

HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2708040009)

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

HA - Initial analysis within holding time. Reanalysis was past holding time.



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Laboratory
 Hits Report
 #212281

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

Samples Received
 04-aug-2007 11:12:30

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2708040001	M-85				
08/14/07		Chromium, Total, ICAP	0.075		mg/l	0.020
08/08/07		Metals digestion performed.	Y		Yes/No	
08/20/07		PH (H3=past HT, not compliant)	8.0		Units	0.0010
08/07/07		Perchlorate	24700		ug/l	4000
08/07/07		Total Dissolved Solid (TDS)	1010	500	mg/l	10
	2708040002	M-83				
08/14/07		Chromium, Total, ICAP	0.093		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
08/08/07		Perchlorate	9530		ug/l	4000
08/07/07		Total Dissolved Solid (TDS)	996	500	mg/l	10
	2708040003	M-70				
08/14/07		Chromium, Total, ICAP	7.5		mg/l	0.050
08/08/07		Metals digestion performed.	Y		Yes/No	
08/20/07		PH (H3=past HT, not compliant)	6.5		Units	0.0010
08/07/07		Perchlorate	994000		ug/l	200000
08/08/07		Total Dissolved Solid (TDS)	9580	500	mg/l	10
	2708040004	M-71				
08/14/07		Chromium, Total, ICAP	5.1		mg/l	0.050
08/08/07		Metals digestion performed.	Y		Yes/No	
08/20/07		PH (H3=past HT, not compliant)	6.5		Units	0.0010
08/07/07		Perchlorate	764000		ug/l	200000
08/08/07		Total Dissolved Solid (TDS)	7670	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#212281

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

Samples Received
04-aug-2007 11:12:30

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2708040005	M-72				
	2708040005	M-72				
08/14/07		Chromium, Total, ICAP	4.8		mg/l	0.050
08/08/07		Metals digestion performed.	Y		Yes/No	
08/20/07		PH (H3=past HT, not compliant)	6.6		Units	0.0010
08/07/07		Perchlorate	1080000		ug/l	200000
08/08/07		Total Dissolved Solid (TDS)	8860	500	mg/l	10
	2708040006	M-22A				
08/14/07		Chromium, Total, ICAP	30		mg/l	0.20
08/08/07		Metals digestion performed.	Y		Yes/No	
08/20/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/08/07		Perchlorate	1800000		ug/l	200000
08/08/07		Total Dissolved Solid (TDS)	17000	500	mg/l	10
	2708040007	M-38				
08/14/07		Chromium, Total, ICAP	26		mg/l	0.20
08/08/07		Metals digestion performed.	Y		Yes/No	
08/20/07		PH (H3=past HT, not compliant)	7.3		Units	0.0010
08/08/07		Perchlorate	906000		ug/l	200000
08/08/07		Total Dissolved Solid (TDS)	14600	500	mg/l	10
	2708040008	M-89				
08/14/07		Chromium, Total, ICAP	23		mg/l	0.20
08/08/07		Metals digestion performed.	Y		Yes/No	
08/20/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010

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#212281

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Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
04-aug-2007 11:12:30

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2708040008	M-89				
08/16/07	Perchlorate		728000		ug/l	200000
08/14/07	Total Dissolved Solid (TDS)		12300	500	mg/l	10
	2708040009	M-17A				
08/14/07	Chromium, Total, ICAP		27		mg/l	0.20
08/08/07	Metals digestion performed.		Y		Yes/No	
08/20/07	PH (H3=past HT, not compliant)		6.7		Units	0.0010
08/08/07	Perchlorate		974000		ug/l	200000
08/14/07	Total Dissolved Solid (TDS)		13800	500	mg/l	10
	2708040010	M-115				
08/14/07	Chromium, Total, ICAP		0.036		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
08/08/07	Perchlorate		32000		ug/l	4000
08/09/07	Total Dissolved Solid (TDS)		2900	500	mg/l	10
	2708040011	M-14A				
08/14/07	Chromium, Total, ICAP		0.053		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
08/08/07	Perchlorate		32200		ug/l	4000
08/09/07	Total Dissolved Solid (TDS)		3370	500	mg/l	10

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#212281

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

Samples Received
08/04/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-85 (2708040001)				Sampled on 08/03/07 06:00				
	08/07/07 00:17	380193	(EPA 314)	Perchlorate	24700	ug/l	4000	1000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	0.075	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)	8.0	Units	0.0010	1
08/07/07	08/07/07 15:00	380366	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1010	mg/l	10	1
M-83 (2708040002)				Sampled on 08/03/07 06:13				
	08/08/07 11:10	380214	(EPA 314)	Perchlorate	9530	ug/l	4000	1000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	0.093	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)	996	mg/l	10	1
M-70 (2708040003)				Sampled on 08/03/07 06:26				
	08/07/07 00:17	380193	(EPA 314)	Perchlorate	994000	ug/l	200000	50000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	7.5	mg/l	0.050	5
	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)	6.5	Units	0.0010	1
08/08/07	08/08/07 17:45	380382	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9580	mg/l	10	1
M-71 (2708040004)				Sampled on 08/03/07 06:38				
	08/07/07 00:17	380193	(EPA 314)	Perchlorate	764000	ug/l	200000	50000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	5.1	mg/l	0.050	5
	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)	6.5	Units	0.0010	1
08/08/07	08/08/07 17:45	380382	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7670	mg/l	10	1



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750 Royal Oaks Drive, Suite 100
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Laboratory
Data Report
#212281

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-72 (2708040005)		Sampled on 08/03/07 06:58						
	08/07/07 00:17	380193	(EPA 314)	Perchlorate	1080000	ug/l	200000	50000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	4.8	mg/l	0.050	5
	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)	6.6	Units	0.0010	1
08/08/07	08/08/07 17:45	380382	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8860	mg/l	10	1
M-22A (2708040006)		Sampled on 08/03/07 07:10						
	08/08/07 11:10	380214	(EPA 314)	Perchlorate	1800000	ug/l	200000	50000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	30 (M3)	mg/l	0.20	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)	7.4	Units	0.0010	1
08/08/07	08/08/07 17:45	380382	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	17000	mg/l	10	1
M-38 (2708040007)		Sampled on 08/03/07 07:23						
	08/08/07 11:10	380214	(EPA 314)	Perchlorate	906000	ug/l	200000	50000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	26	mg/l	0.20	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)	7.3	Units	0.0010	1
08/08/07	08/08/07 17:45	380382	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	14600	mg/l	10	1
M-89 (2708040008)		Sampled on 08/03/07 07:39						
	08/16/07 00:11	381120	(EPA 314)	Perchlorate	728000	ug/l	200000	50000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	23	mg/l	0.20	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)	7.4	Units	0.0010	1
08/14/07	08/14/07 20:30	381359	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12300 (HA)	mg/l	10	1
M-17A (2708040009)		Sampled on 08/03/07 07:53						
	08/08/07 11:10	380214	(EPA 314)	Perchlorate	974000	ug/l	200000	50000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	27	mg/l	0.20	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)	6.7	Units	0.0010	1
08/14/07	08/14/07 20:30	381359	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13800 (HA)	mg/l	10	1



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-115 (2708040010)				Sampled on 08/03/07 08:10				
	08/08/07 11:10	380214	(EPA 314)	Perchlorate	32000	ug/l	4000	1000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	0.036	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
08/09/07	08/09/07 12:00	380434	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2900	mg/l	10	1
M-14A (2708040011)				Sampled on 08/03/07 08:22				
	08/08/07 11:10	380214	(EPA 314)	Perchlorate	32200	ug/l	4000	1000
08/12/07	08/14/07 00:00	380840	(ML/EPA 6010B)	Chromium, Total, ICAP	0.053	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
08/09/07	08/09/07 12:00	380434	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3370	mg/l	10	1



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#212281

Tronox LLC - Henderson

QC Ref #380193 - Perchlorate

Analysis Date: 08/07/2007

2708040001 M-85
2708040003 M-70
2708040004 M-71
2708040005 M-72

Analyzed by: clv
Analyzed by: clv
Analyzed by: clv
Analyzed by: clv

QC Ref #380214 - Perchlorate

Analysis Date: 08/08/2007

2708040002 M-83
2708040006 M-22A
2708040007 M-38
2708040009 M-17A
2708040010 M-115
2708040011 M-14A

Analyzed by: clv
Analyzed by: clv
Analyzed by: clv
Analyzed by: clv
Analyzed by: clv
Analyzed by: clv

QC Ref #380366 - Total Dissolved Solid (TDS)

Analysis Date: 08/07/2007

2708040001 M-85
2708040002 M-83

Analyzed by: yvette
Analyzed by: yvette

QC Ref #380382 - Total Dissolved Solid (TDS)

Analysis Date: 08/08/2007

2708040003 M-70
2708040004 M-71
2708040005 M-72
2708040006 M-22A
2708040007 M-38

Analyzed by: yvette
Analyzed by: yvette
Analyzed by: yvette
Analyzed by: yvette
Analyzed by: yvette

QC Ref #380434 - Total Dissolved Solid (TDS)

Analysis Date: 08/09/2007

2708040010 M-115
2708040011 M-14A

Analyzed by: yvette
Analyzed by: yvette

QC Ref #380840 - Chromium, Total, ICAP

Analysis Date: 08/14/2007

2708040001 M-85
2708040002 M-83
2708040003 M-70
2708040004 M-71

Analyzed by: wbh
Analyzed by: wbh
Analyzed by: wbh
Analyzed by: wbh



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Tronox LLC - Henderson
(continued)

2708040005	M-72	Analyzed by: wbh
2708040006	M-22A	Analyzed by: wbh
2708040007	M-38	Analyzed by: wbh
2708040008	M-89	Analyzed by: wbh
2708040009	M-17A	Analyzed by: wbh
2708040010	M-115	Analyzed by: wbh
2708040011	M-14A	Analyzed by: wbh

QC Ref #381120 - Perchlorate

Analysis Date: 08/16/2007

2708040008	M-89	Analyzed by: clv
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QC Ref #381359 - Total Dissolved Solid (TDS)

Analysis Date: 08/14/2007

2708040008	M-89	Analyzed by: maria
2708040009	M-17A	Analyzed by: maria

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

2708040001	M-85	Analyzed by: faj
2708040002	M-83	Analyzed by: faj
2708040003	M-70	Analyzed by: faj
2708040004	M-71	Analyzed by: faj
2708040005	M-72	Analyzed by: faj
2708040006	M-22A	Analyzed by: faj
2708040007	M-38	Analyzed by: faj
2708040008	M-89	Analyzed by: faj
2708040009	M-17A	Analyzed by: faj
2708040010	M-115	Analyzed by: faj
2708040011	M-14A	Analyzed by: faj



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Tronox LLC - Henderson

QC Ref #380193

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08040013	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS2	Perchlorate	25.0	26.7	UGL	106.8	(85-115)	
LCS3	Perchlorate	4	4.40	UGL	110.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.9	UGL	103.6	(80-120)	
MSD	Perchlorate	25.0	27.2	UGL	108.8	(80-120)	
RPD_LCS	Perchlorate	105.600	106.800	UGL	1.1	(0-15)	
RPD_MS	Perchlorate	103.600	108.800	UGL	1.1	(0-15)	

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			

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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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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 #380382 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08070609	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	522	518	MGL		(0-10)	0.8
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	(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)	101.714	100.857	MGL	0.8	(0-20)	

QC Ref #380434 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08040008	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	14080	14200	MGL		(0-10)	0.8
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	680	MGL	97.1	(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)	97.143	97.143	MGL	0.0	(0-20)	

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)	

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Tronox LLC - Henderson (continued)

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 #381120 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08070254	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.9	UGL	99.6	(85-115)	
LCS2	Perchlorate	25.0	23.5	UGL	94.0	(85-115)	
LCS3	Perchlorate	4	4.12	UGL	103.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.7	UGL	94.8	(80-120)	
MSD	Perchlorate	25.0	24.6	UGL	98.4	(80-120)	
RPD_LCS	Perchlorate	99.600	94.000	UGL	5.8	(0-15)	
RPD_MS	Perchlorate	94.800	98.400	UGL	1.0	(0-15)	

QC Ref #381359 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08130307	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	182	192	MGL		(0-10)	5.3
LCS1	Total Dissolved Solid (TDS)	175	166	MGL	94.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	680	MGL	97.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9.0	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	94.857	97.143	MGL	2.4	(0-20)	

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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