



# 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

DATE OF ISSUE  
Jun 03 2008  
MWH LABORATORIES

ADE Andy Eaton  
Project Manager



Report#: 240115  
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 24 page[s].



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)

June 3, 2008

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

Subject: Case Narrative report 240115

Enclosed is MWH Laboratories Report 240115

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on May 8, 2008 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 hexavalent chromium were received past the 24 hour RCRA holding time and are flagged accordingly.

Ion chromatography analyses do not show actual analysis time for samples with holding times of >72 hours. Instead they show the time of first injection on a batch or 00:00.

Due to high bromide concentrations in several wells, samples required dilution and re-analysis past hold time for nitrate analysis or for confirmation of original values. In one case (M12A) the initial value from within hold time could not be used due to chromatographic interferences and the past hold time result was reported. The IC value was confirmed by colorimetric analysis.

Well 12A has hex chrome slightly greater than total chrome, but within expected method precision.

Sincerely,

Andrew Eaton, PhD  
Project Manager



240115

750 Royal Oaks Ave, Suite 100, Menlo Park, CA 94016  
(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

3°

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Quarterly Groundwater Sampling

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	CR 6010	PH 9040	TDS	ClO4	CRM 7196	ClO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
539	5-7-08		M-92	RGW	X		X	X	X	X					2 Bottles
556	5-7-08		M-97	RGW	X		X	X	X	X					2 Bottles
600	5-7-08		M-77	RGW	X		X	X	X	X					2 Bottles
702	5-7-08		M-33	RGW	X		X	X	X	X					2 Bottles
728	5-7-08		M-31A	RGW	X		X	X	X	X					2 Bottles
758	5-7-08		M-52	RGW	X		X	X	X	X					2 Bottles
826	5-7-08		M-50	RGW	X		X	X	X	X					2 Bottles
828	5-7-08		EB-2	RGW	X		X	X	X	X					3 Bottles
847	5-7-08		M-21	RGW	X		X	X	X	X					2 Bottles
910	5-7-08		M-19	RGW	X		X	X	X	X					2 Bottles
928	5-7-08		M-39	RGW	X		X	X	X	X					2 Bottles
945	5-7-08		M-68	RGW	X		X	X	X	X					2 Bottles

\* 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

RELINQUISHED BY: Michele Brown

RECEIVED BY: Michele Brown

VEOLIA WATER NA for Tronox LLC - Henderson Plant

5-7-08 12:00PM

RELINQUISHED BY: JOE SANCHEZ

RECEIVED BY: JOE SANCHEZ

5-8-08 10:00





240115

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

30

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Quarterly Groundwater Sampling

Schedule B

KERR/MCGEE-MP

Sampler 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	CR 6010	PH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
1005	5-7-08		I-V	RGW	X		X	X	X	X					2 Bottles
1009	5-7-08		I-I	RGW	X		X	X	X	X					2 Bottles
958	5-7-08		I-Z	RGW	X		X	X	X	X					2 Bottles
955	5-7-08		I-J	RGW	X		X	X	X	X					2 Bottles
952	5-7-08		I-K	RGW	X		X	X	X	X					2 Bottles
1055	5-7-08		M-13	RGW	X		X	X	X	X	X	X	X		4 Bottles
1115	5-7-08		M-12A	RGW	X		X	X	X	X	X	X	X		5 Bottles
1155	5-7-08		M-11	RGW	X		X	X	X	X	X	X	X		5 Bottles
50	5-7-08		MD-14	RGW	X		X	X	X	X	X	X	X		2 Bottles

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

Reported by Weight:  
SO = Soil  
SL = Sludge

RGW = Raw Ground Water  
RSW = Raw Surface Water

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

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

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

Michele Brown

Joe Sanchez

Veolia Water NA for Tronox LLC - Henderson Plant

5-7-08

12:00PM



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

Period

Q Quarterly  
Week 1

SO# 41487 26973 RS

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

Created by MWH  
Order Date 03/10/08  
Date Needed by Client  
Ship Sample Kits to  
Tronox LLC-Veolia Water  
Gate 1  
8000 West Lake Mead Drive  
Henderson, NV 89015

**Billing Address**

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

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

**Quote#**

MWH

**SHIP LOCATION**

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

# of Samples Tests

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		second quarter only
15	CRV17196	1 125ml poly acid rinsed/ no preservative		NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht
22	NO39056	1 125ml poly/ no preservative		TDS count increased to 101 effective 6/16/06.; deleted EC as of 7-14-06
22	CLO39056	1 60ml poly+0.60 mL 5% EDA sol'n	UN 1604	

SCANNED

Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

Status

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: 143101

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>05/07/08</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 <b>TRONOX LLC</b>		
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	
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 85  Not Regulated		2 Coolers	
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	
1	TOTAL GROSS WEIGHT 85	TOTAL TARE WEIGHT 0	85	
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, PO Box 268859, Oklahoma City, OK 73126-8859	PER <b>Lemma Hunde</b>	AGENT	PER	

SCANNED

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



CLS 1207872124

Ship Date: 07MAY08  
 ActWgt: 85 LB  
 System#: 2274147/INET8011  
 Account#: S \*\*\*\*\*

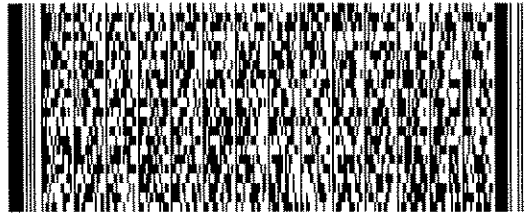
Delivery Address Bar Code



Ref # MSO #143101 -85 Lbs  
 Invoice #  
 PO #  
 Dept #

SHIP TO: 6265686400 **BILL SENDER**  
**ATTN: SAMPLE RECEIVING**  
**MONTGOMERY WATSON LABS**  
**750 ROYAL OAKS DR # 100**

**MONROVIA, CA 910163629**

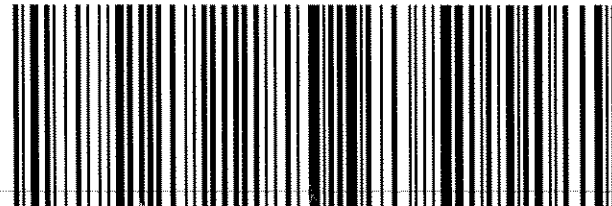


TRK# 7989 3678 8229  
 0201

THU - 08MAY **A2**  
**PRIORITY OVERNIGHT**

**QZ WHPA**

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



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**



California ELAP Certification # 1371

SUBCONTRACT ORDER - Purchase Order # 4580

*23NFCU*

MTA Project # **8E05007**

Please reference these numbers on all reports and invoices:

We also request QC data be provided with final report.

**SENDING LABORATORY:**

Moore Twining Associates, Inc.  
2527 Fresno Street  
Fresno, CA 93721  
Phone: (559) 268-7021  
Fax: (559) 268-0740  
Project Manager: Andrea Seruntine

**RECEIVING LABORATORY:**

MWH Laboratories, Inc.  
750 Royal Oaks Drive, Suite 100  
Monrovia, CA 91016  
Phone: (626) 386-1100  
Fax: (626) 386-1101

Sample Comments

**Client Sample ID#: WELL #1**

MTA Sample ID: 8E05007-01 Matrix: Water

Sampled: 05/05/08 08:10

Report Due to Client: 05/19/08

Requested Analysis: Perchlorate by EPA 314.0 (Sub)

Holding time expires: 06/02/08 08:10

*EDT # 1010055*

Containers Supplied:

1L Plastic Unpreserved

(A)

**Client Sample ID#: WELL #2**

MTA Sample ID: 8E05007-02 Matrix: Water

Sampled: 05/05/08 08:15

Report Due to Client: 05/19/08

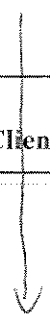
Requested Analysis: Perchlorate by EPA 314.0 (Sub)

Holding time expires: 06/02/08 08:15

Containers Supplied:

1L Plastic Unpreserved

(A)



**SCANNED**

<i>J. Gray</i>	<i>5-7-08</i>	<i>[Signature]</i>	<i>5-7-08 9:00</i>
Released By	Date	Received By	Date

Released By	Date	Received By	Date
-------------	------	-------------	------

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 1 of 1



**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#: 240115  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **05/08/08**. 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
2805080646	M-92	CLO4 CR6010	Water PH9040 TDS	07-may-2008 05:39:00
2805080652	M-97	CLO4 CR6010	Water PH9040 TDS	07-may-2008 05:56:00
2805080653	M-77	CLO4 CR6010	Water PH9040 TDS	07-may-2008 06:30:00
2805080654	M-33	CLO4 CR6010	Water PH9040 TDS	07-may-2008 07:02:00
2805080655	M-31A	CLO4 CR6010	Water PH9040 TDS	07-may-2008 07:28:00
2805080656	M-52	CLO4 CR6010	Water PH9040 TDS	07-may-2008 07:58:00
2805080657	M-50	CLO4 CR6010	Water PH9040 TDS	07-may-2008 08:26:00
2805080665	EB-2	CLO4 CR6010	Water CRVI7196 PH9040 TDS	07-may-2008 08:28:00
2805080666	M-21	CLO4 CR6010	Water PH9040 TDS	07-may-2008 08:47:00
2805080667	M-19	CLO4 CR6010	Water PH9040 TDS	07-may-2008 09:10:00
2805080668	M-39	CLO39056 CLO4 CR6010	Water CRVI7196 NO39056 PH9040 TDS	07-may-2008 09:25:00
2805080673	M-68	CLO4 CR6010	Water PH9040 TDS	07-may-2008 09:45:00
2805080681	I-V	CLO4 CR6010	Water PH9040 TDS	07-may-2008 10:05:00
2805080682	I-I	CLO4 CR6010	Water PH9040 TDS	07-may-2008 10:02:00
2805080683	I-Z	CLO4 CR6010	Water PH9040 TDS	07-may-2008 09:58:00
2805080684	I-J	CLO4 CR6010	Water PH9040 TDS	07-may-2008 09:55:00

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#: 240115  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2805080685	I-K	CLO4 CR6010	Water PH9040	07-may-2008 09:52:00
2805080686	M-13	CLO39056 CLO4	Water PH9040	07-may-2008 10:55:00
2805080688	M-12A	CLO39056 CLO4	Water PH9040	07-may-2008 11:15:00
2805080695	M-11	CLO39056 CLO4	Water PH9040	07-may-2008 11:55:00
2805080696	MD-4	CLO4 CR6010	Water PH9040	07-may-2008 00:00:00

Test Acronym Description

Test Acronym	Description
CLO39056	Chlorate by IC
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
NO39056	Nitrate as Nitrogen by IC
PH9040	PH (H3=past HT, not compliant)
TDS	Total Dissolved Solid (TDS)



**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#: 2805080665)

**Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)**

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

(QC Ref#: 2805080668)

**Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)**

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

**Test: Nitrate as Nitrogen by IC (ML/EPA 9056)**

Bromide interfered with clean chromatography for NO3 peak.  
Result confirmed by colorimetric rapid flow analysis (RFA).  
Result from RFA was 11 mg/L.

(QC Ref#: 2805080686)

**Test: Nitrate as Nitrogen by IC (ML/EPA 9056)**

Bromide concentration interfered with clean chromatography of NO3 peak. Result confirmed by colorimetric rapid flow analysis (RFA). RFA result was 5.1 mg/L.

(QC Ref#: 2805080688)

**Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)**

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

**Test: Nitrate as Nitrogen by IC (ML/EPA 9056)**

High bromide concentration interfered with assessment of NO3 peak. Sample was diluted and analysed past holding time. Result was confirmed by colorimetric rapid flow analysis (RFA). RFA results was 12 mg/L.

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



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Report  
Comments  
#240115

(QC Ref#: 2805080695)

**Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)**

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

**Test: Nitrate as Nitrogen by IC (ML/EPA 9056)**

Bromide concentration interfered with clean chromatography  
of NO3 peak. Result was confirmed by colorimetric rapid flow  
analysis (RFA). RFA result was 3.1 mg/L.



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Laboratory  
Hits Report  
#240115

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

Samples Received  
08-may-2008 17:12:52

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2805080646</b>	<b>M-92</b>				
05/08/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
05/11/08	Perchlorate		768		ug/l	80
05/09/08	Total Dissolved Solid (TDS)		1990	500	mg/l	10
	<b>2805080652</b>	<b>M-97</b>				
05/18/08	Chromium, Total, ICAP		0.045		mg/l	0.020
05/08/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
05/11/08	Perchlorate		72300		ug/l	10000
05/09/08	Total Dissolved Solid (TDS)		3380	500	mg/l	10
	<b>2805080653</b>	<b>M-77</b>				
05/18/08	Chromium, Total, ICAP		0.40		mg/l	0.020
05/08/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
05/11/08	Perchlorate		237000		ug/l	10000
05/09/08	Total Dissolved Solid (TDS)		3490	500	mg/l	10
	<b>2805080654</b>	<b>M-33</b>				
05/18/08	Chromium, Total, ICAP		0.45		mg/l	0.020
05/08/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
05/11/08	Perchlorate		192000		ug/l	10000
05/09/08	Total Dissolved Solid (TDS)		5480	500	mg/l	10
	<b>2805080655</b>	<b>M-31A</b>				
05/18/08	Chromium, Total, ICAP		11		mg/l	0.050
05/08/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
05/11/08	Perchlorate		1280000		ug/l	200000

SUMMARY OF POSITIVE DATA ONLY.



# MWH Laboratories

A Division of MWH Americas, Inc.

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

Laboratory  
Hits Report  
#240115

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

Samples Received  
08-may-2008 17:12:52

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2805080655	M-31A				
05/09/08	Total Dissolved Solid (TDS)		8900	500	mg/l	10
	2805080656	M-52				
05/21/08	Chromium, Total, ICAP		7.1		mg/l	0.050
05/08/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
05/11/08	Perchlorate		806000		ug/l	100000
05/09/08	Total Dissolved Solid (TDS)		6960	500	mg/l	10
	2805080657	M-50				
05/21/08	Chromium, Total, ICAP		31		mg/l	0.10
05/08/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
05/11/08	Perchlorate		922000		ug/l	100000
05/09/08	Total Dissolved Solid (TDS)		14300	500	mg/l	10
	2805080665	EB-2				
05/08/08	PH (H3=past HT, not compliant)		6.2		Units	0.0010
05/11/08	Perchlorate		112		ug/l	8.0
05/09/08	Total Dissolved Solid (TDS)		50	500	mg/l	10
	2805080666	M-21				
05/21/08	Chromium, Total, ICAP		1.4		mg/l	0.050
05/08/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
05/11/08	Perchlorate		27500		ug/l	4000
05/09/08	Total Dissolved Solid (TDS)		3710	500	mg/l	10
	2805080667	M-19				

SUMMARY OF POSITIVE DATA ONLY.



750 Royal Oaks Drive, Suite 100  
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 Tel: 626 386 1100  
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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2805080667	M-19				
05/21/08	Chromium, Total, ICAP		0.33		mg/l	0.020
05/08/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
05/11/08	Perchlorate		1400		ug/l	400
05/09/08	Total Dissolved Solid (TDS)		3640	500	mg/l	10
	2805080668	M-39				
05/09/08	Chlorate by IC		1480000		ug/l	50000
05/21/08	Chromium, Total, ICAP		4.9		mg/l	0.050
05/13/08	Hexavalent chromium (Cr VI)		5.3		mg/l	0.25
05/08/08	Nitrate as Nitrogen by IC		16		mg/l	2.5
05/08/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
05/11/08	Perchlorate		439000		ug/l	40000
05/09/08	Total Dissolved Solid (TDS)		6870	500	mg/l	10
	2805080673	M-68				
05/21/08	Chromium, Total, ICAP		1.1		mg/l	0.050
05/08/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
05/11/08	Perchlorate		69300		ug/l	10000
05/09/08	Total Dissolved Solid (TDS)		5710	500	mg/l	10
	2805080681	I-V				
05/21/08	Chromium, Total, ICAP		24		mg/l	0.10
05/08/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/11/08	Perchlorate		1720000		ug/l	200000
05/09/08	Total Dissolved Solid (TDS)		9900	500	mg/l	10

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2805080682	I-I				
	2805080682	I-I				
05/21/08	Chromium, Total, ICAP		22		mg/l	0.10
05/08/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
05/11/08	Perchlorate		949000		ug/l	200000
05/09/08	Total Dissolved Solid (TDS)		12100	500	mg/l	10
	2805080683	I-Z				
05/21/08	Chromium, Total, ICAP		11		mg/l	0.10
05/08/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
05/11/08	Perchlorate		575000		ug/l	100000
05/09/08	Total Dissolved Solid (TDS)		9400	500	mg/l	10
	2805080684	I-J				
05/21/08	Chromium, Total, ICAP		3.0		mg/l	0.050
05/08/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
05/11/08	Perchlorate		217000		ug/l	40000
05/09/08	Total Dissolved Solid (TDS)		6400	500	mg/l	10
	2805080685	I-K				
05/21/08	Chromium, Total, ICAP		1.2		mg/l	0.050
05/08/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
05/11/08	Perchlorate		82000		ug/l	10000
05/09/08	Total Dissolved Solid (TDS)		5810	500	mg/l	10
	2805080686	M-13				

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08-may-2008 17:12:52

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2805080686</b>	<b>M-13</b>				
05/09/08	Chlorate by IC		337000		ug/l	50000
05/21/08	Chromium, Total, ICAP		1.3		mg/l	0.050
05/08/08	Nitrate as Nitrogen by IC		5.3		mg/l	2.5
05/08/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
05/12/08	Perchlorate		21000		ug/l	2000
05/09/08	Total Dissolved Solid (TDS)		3310	500	mg/l	10
	<b>2805080688</b>	<b>M-12A</b>				
05/10/08	Chlorate by IC		2770000		ug/l	50000
05/21/08	Chromium, Total, ICAP		14		mg/l	0.050
05/08/08	Hexavalent chromium (Cr VI)		15		mg/l	0.25
05/18/08	Nitrate as Nitrogen by IC		17		mg/l	2.5
05/08/08	PH (H3=past HT, not compliant)		8.1		Units	0.0010
05/11/08	Perchlorate		308000		ug/l	40000
05/09/08	Total Dissolved Solid (TDS)		6650	500	mg/l	10
	<b>2805080695</b>	<b>M-11</b>				
05/10/08	Chlorate by IC		4700000		ug/l	50000
05/21/08	Chromium, Total, ICAP		2.8		mg/l	0.020
05/08/08	Hexavalent chromium (Cr VI)		2.8		mg/l	0.10
05/08/08	Nitrate as Nitrogen by IC		4.0		mg/l	1.0
05/08/08	PH (H3=past HT, not compliant)		8.0		Units	0.0010
05/11/08	Perchlorate		34300		ug/l	4000
05/09/08	Total Dissolved Solid (TDS)		3350	500	mg/l	10
	<b>2805080696</b>	<b>MD-4</b>				

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Samples Received  
 08-may-2008 17:12:52

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2805080696	MD-4				
05/21/08	Chromium, Total, ICAP		1.1		mg/l	0.020
05/08/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
05/12/08	Perchlorate		66200		ug/l	20000
05/09/08	Total Dissolved Solid (TDS)		6440	500	mg/l	10

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Tronox LLC - Henderson  
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Samples Received  
05/08/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-92 (2805080646)      Sampled on 05/07/08 05:39</b>								
	05/11/08 00:38	426024	( EPA 314 )	Perchlorate	768	ug/l	80	20
05/15/08	05/18/08 00:00	427408	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/08 00:00	425816	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	1990	mg/l	10	1
<b>M-97 (2805080652)      Sampled on 05/07/08 05:56</b>								
	05/11/08 00:38	426024	( EPA 314 )	Perchlorate	72300	ug/l	10000	2500
05/15/08	05/18/08 00:00	427408	( ML/EPA 6010B )	Chromium, Total, ICAP	0.045	mg/l	0.020	2
	05/08/08 00:00	425816	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3380	mg/l	10	1
<b>M-77 (2805080653)      Sampled on 05/07/08 06:30</b>								
	05/11/08 00:38	426024	( EPA 314 )	Perchlorate	237000	ug/l	10000	2500
05/15/08	05/18/08 00:00	427408	( ML/EPA 6010B )	Chromium, Total, ICAP	0.40	mg/l	0.020	2
	05/08/08 00:00	425816	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3490	mg/l	10	1
<b>M-33 (2805080654)      Sampled on 05/07/08 07:02</b>								
	05/11/08 00:38	426024	( EPA 314 )	Perchlorate	192000	ug/l	10000	2500
05/15/08	05/18/08 00:00	427408	( ML/EPA 6010B )	Chromium, Total, ICAP	0.45	mg/l	0.020	2
	05/08/08 00:00	425816	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	5480	mg/l	10	1
<b>M-31A (2805080655)      Sampled on 05/07/08 07:28</b>								
	05/11/08 00:38	426024	( EPA 314 )	Perchlorate	1280000	ug/l	200000	50000
05/15/08	05/18/08 00:00	427408	( ML/EPA 6010B )	Chromium, Total, ICAP	11	mg/l	0.050	5
	05/08/08 00:00	425816	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	8900	mg/l	10	1



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Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-52 (2805080656)                    Sampled on 05/07/08 07:58</b>								
	05/11/08 00:38	426024	( EPA 314 )	Perchlorate	806000	ug/l	100000	25000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	7.1	mg/l	0.050	5
	05/08/08 00:00	425817	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	6960	mg/l	10	1
<b>M-50 (2805080657)                    Sampled on 05/07/08 08:26</b>								
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	922000	ug/l	100000	25000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	31	mg/l	0.10	10
	05/08/08 00:00	425817	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	14300	mg/l	10	1
<b>EB-2 (2805080665)                    Sampled on 05/07/08 08:28</b>								
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	112	ug/l	8.0	2
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/08 17:08	426004	( ML/EPA 7196 )	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	05/08/08 00:00	425817	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	6.2	Units	0.0010	1
05/09/08	05/09/08 11:20	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	50	mg/l	10	1
<b>M-21 (2805080666)                    Sampled on 05/07/08 08:47</b>								
	05/11/08 22:40	426286	( EPA 314 )	Perchlorate	27500	ug/l	4000	1000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	1.4	mg/l	0.050	5
	05/08/08 00:00	425817	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3710	mg/l	10	1
<b>M-19 (2805080667)                    Sampled on 05/07/08 09:10</b>								
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	1400	ug/l	400	100
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	0.33	mg/l	0.020	2
	05/08/08 00:00	425817	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3640	mg/l	10	1



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 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-39 (2805080668)                    Sampled on 05/07/08 09:25</b>								
	05/09/08 22:15	426010	( ML/EPA 9056 )	Chlorate by IC	1480000	ug/l	50000	5000
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	439000	ug/l	40000	10000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	4.9	mg/l	0.050	5
	05/13/08 13:44	426856	( ML/EPA 7196 )	Hexavalent chromium (Cr VI)	5.3(H3)	mg/l	0.25	50
	05/08/08 16:19	426549	( ML/EPA 9056 )	Nitrate as Nitrogen by IC	16	mg/l	2.5	25
	05/08/08 00:00	425817	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	6870	mg/l	10	1
<b>M-68 (2805080673)                    Sampled on 05/07/08 09:45</b>								
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	69300	ug/l	10000	2500
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	1.1	mg/l	0.050	5
	05/08/08 00:00	425817	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	5710	mg/l	10	1
<b>I-V (2805080681)                    Sampled on 05/07/08 10:05</b>								
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	1720000	ug/l	200000	50000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	24	mg/l	0.10	10
	05/08/08 00:00	425817	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	9900	mg/l	10	1
<b>I-I (2805080682)                    Sampled on 05/07/08 10:02</b>								
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	949000	ug/l	200000	50000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	22	mg/l	0.10	10
	05/08/08 00:00	425817	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	12100	mg/l	10	1
<b>I-Z (2805080683)                    Sampled on 05/07/08 09:58</b>								
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	575000	ug/l	100000	25000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	11	mg/l	0.10	10
	05/08/08 00:00	425817	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	9400	mg/l	10	1



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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>I-J (2805080684)      Sampled on 05/07/08 09:55</b>								
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	217000	ug/l	40000	10000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	3.0	mg/l	0.050	5
	05/08/08 00:00	425818	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	6400	mg/l	10	1
<b>I-K (2805080685)      Sampled on 05/07/08 09:52</b>								
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	82000	ug/l	10000	2500
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	1.2	mg/l	0.050	5
	05/08/08 00:00	425818	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	5810	mg/l	10	1
<b>M-13 (2805080686)      Sampled on 05/07/08 10:55</b>								
	05/09/08 22:15	426010	( ML/EPA 9056 )	Chlorate by IC	337000	ug/l	50000	5000
	05/12/08 10:14	426289	( EPA 314 )	Perchlorate	21000	ug/l	2000	500
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	1.3	mg/l	0.050	5
	05/08/08 16:32	426549	( ML/EPA 9056 )	Nitrate as Nitrogen by IC	5.3	mg/l	2.5	25
	05/08/08 00:00	425818	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	3310	mg/l	10	1
<b>M-12A (2805080688)      Sampled on 05/07/08 11:15</b>								
	05/10/08 00:22	426010	( ML/EPA 9056 )	Chlorate by IC	2770000	ug/l	50000	5000
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	308000	ug/l	40000	10000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	14	mg/l	0.050	5
	05/08/08 17:08	426004	( ML/EPA 7196 )	Hexavalent chromium (Cr VI)	15(H3)	mg/l	0.25	50
	05/18/08 00:26	427339	( ML/EPA 9056 )	Nitrate as Nitrogen by IC	17(H1)	mg/l	2.5	200
	05/08/08 00:00	425818	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	8.1	Units	0.0010	1
05/08/08	05/09/08 11:53	427562	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	6650	mg/l	10	1



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Data Report  
#240115

Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-11 (2805080695)</b>		<b>Sampled on 05/07/08 11:55</b>						
	05/10/08 00:22	426010	( ML/EPA 9056 )	Chlorate by IC	470000	ug/l	50000	5000
	05/11/08 10:21	426025	( EPA 314 )	Perchlorate	34300	ug/l	4000	1000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	2.8	mg/l	0.020	2
	05/08/08 17:08	426004	( ML/EPA 7196 )	Hexavalent chromium (Cr VI)	2.8 (H3)	mg/l	0.10	20
	05/08/08 16:58	426549	( ML/EPA 9056 )	Nitrate as Nitrogen by IC	4.0	mg/l	1.0	10
	05/08/08 00:00	425818	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	8.0	Units	0.0010	1
05/09/08	05/09/08 11:29	427562	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	3350	mg/l	10	1
<b>MD-4 (2805080696)</b>		<b>Sampled on 05/07/08 00:00</b>						
	05/12/08 10:14	426289	( EPA 314 )	Perchlorate	66200	ug/l	20000	5000
05/20/08	05/21/08 00:00	428312	( ML/EPA 6010B )	Chromium, Total, ICAP	1.1	mg/l	0.020	2
	05/08/08 00:00	425818	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
05/09/08	05/09/08 09:00	427547	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	6440	mg/l	10	1



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QC Summary  
#240115

Tronox LLC - Henderson

QC Ref #425816 - PH (H3=past HT, not compliant) Analysis Date: 05/08/2008

2805080646	M-92	Analyzed by: sar
2805080652	M-97	Analyzed by: sar
2805080653	M-77	Analyzed by: sar
2805080654	M-33	Analyzed by: sar
2805080655	M-31A	Analyzed by: sar

QC Ref #425817 - PH (H3=past HT, not compliant) Analysis Date: 05/08/2008

2805080656	M-52	Analyzed by: sar
2805080657	M-50	Analyzed by: sar
2805080665	EB-2	Analyzed by: sar
2805080666	M-21	Analyzed by: sar
2805080667	M-19	Analyzed by: sar
2805080668	M-39	Analyzed by: sar
2805080673	M-68	Analyzed by: sar
2805080681	I-V	Analyzed by: sar
2805080682	I-I	Analyzed by: sar
2805080683	I-Z	Analyzed by: sar

QC Ref #425818 - PH (H3=past HT, not compliant) Analysis Date: 05/08/2008

2805080684	I-J	Analyzed by: sar
2805080685	I-K	Analyzed by: sar
2805080686	M-13	Analyzed by: sar
2805080688	M-12A	Analyzed by: sar
2805080695	M-11	Analyzed by: sar
2805080696	MD-4	Analyzed by: sar

QC Ref #426004 - Hexavalent chromium (Cr VI) Analysis Date: 05/08/2008

2805080665	EB-2	Analyzed by: azs
2805080688	M-12A	Analyzed by: azs
2805080695	M-11	Analyzed by: azs





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QC Summary  
#240115

Tronox LLC - Henderson  
(continued)

QC Ref #426010 - Chlorate by IC

Analysis Date: 05/09/2008

2805080668	M-39	Analyzed by: clv
2805080686	M-13	Analyzed by: clv
2805080688	M-12A	Analyzed by: clv
2805080695	M-11	Analyzed by: clv

QC Ref #426024 - Perchlorate

Analysis Date: 05/11/2008

2805080646	M-92	Analyzed by: clv
2805080652	M-97	Analyzed by: clv
2805080653	M-77	Analyzed by: clv
2805080654	M-33	Analyzed by: clv
2805080655	M-31A	Analyzed by: clv
2805080656	M-52	Analyzed by: clv

QC Ref #426025 - Perchlorate

Analysis Date: 05/11/2008

2805080657	M-50	Analyzed by: clv
2805080665	EB-2	Analyzed by: clv
2805080667	M-19	Analyzed by: clv
2805080668	M-39	Analyzed by: clv
2805080673	M-68	Analyzed by: clv
2805080681	I-V	Analyzed by: clv
2805080682	I-I	Analyzed by: clv
2805080683	I-Z	Analyzed by: clv
2805080684	I-J	Analyzed by: clv
2805080685	I-K	Analyzed by: clv
2805080688	M-12A	Analyzed by: clv
2805080695	M-11	Analyzed by: clv

QC Ref #426286 - Perchlorate

Analysis Date: 05/11/2008

2805080666	M-21	Analyzed by: clv
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#240115

Tronox LLC - Henderson  
(continued)

**QC Ref #426289 - Perchlorate**

**Analysis Date: 05/12/2008**

2805080686 M-13  
2805080696 MD-4

Analyzed by: clv  
Analyzed by: clv

**QC Ref #426549 - Nitrate as Nitrogen by IC**

**Analysis Date: 05/08/2008**

2805080668 M-39  
2805080686 M-13  
2805080695 M-11

Analyzed by: lmr  
Analyzed by: lmr  
Analyzed by: lmr

**QC Ref #426856 - Hexavalent chromium (Cr VI)**

**Analysis Date: 05/13/2008**

2805080668 M-39

Analyzed by: azs

**QC Ref #427339 - Nitrate as Nitrogen by IC**

**Analysis Date: 05/18/2008**

2805080688 M-12A

Analyzed by: sxk

**QC Ref #427408 - Chromium, Total, ICAP**

**Analysis Date: 05/18/2008**

2805080646 M-92  
2805080652 M-97  
2805080653 M-77  
2805080654 M-33  
2805080655 M-31A

Analyzed by: csk  
Analyzed by: csk  
Analyzed by: csk  
Analyzed by: csk  
Analyzed by: csk

**QC Ref #427547 - Total Dissolved Solid (TDS)**

**Analysis Date: 05/09/2008**

2805080696 MD-4

Analyzed by: axa

Tronox LLC - Henderson  
 (continued)

QC Ref #427562 - Total Dissolved Solid (TDS) Analysis Date: 05/09/2008

2805080646	M-92	Analyzed by: axa
2805080652	M-97	Analyzed by: axa
2805080653	M-77	Analyzed by: axa
2805080654	M-33	Analyzed by: axa
2805080655	M-31A	Analyzed by: axa
2805080656	M-52	Analyzed by: axa
2805080657	M-50	Analyzed by: axa
2805080665	EB-2	Analyzed by: axa
2805080666	M-21	Analyzed by: axa
2805080667	M-19	Analyzed by: axa
2805080668	M-39	Analyzed by: axa
2805080673	M-68	Analyzed by: axa
2805080681	I-V	Analyzed by: axa
2805080682	I-I	Analyzed by: axa
2805080683	I-Z	Analyzed by: axa
2805080684	I-J	Analyzed by: axa
2805080685	I-K	Analyzed by: axa
2805080686	M-13	Analyzed by: axa
2805080688	M-12A	Analyzed by: axa
2805080695	M-11	Analyzed by: axa

QC Ref #428312 - Chromium, Total, ICAP Analysis Date: 05/21/2008

2805080656	M-52	Analyzed by: csk
2805080657	M-50	Analyzed by: csk
2805080665	EB-2	Analyzed by: csk
2805080666	M-21	Analyzed by: csk
2805080667	M-19	Analyzed by: csk
2805080668	M-39	Analyzed by: csk
2805080673	M-68	Analyzed by: csk
2805080681	I-V	Analyzed by: csk
2805080682	I-I	Analyzed by: csk
2805080683	I-Z	Analyzed by: csk
2805080684	I-J	Analyzed by: csk
2805080685	I-K	Analyzed by: csk
2805080686	M-13	Analyzed by: csk
2805080688	M-12A	Analyzed by: csk
2805080695	M-11	Analyzed by: csk
2805080696	MD-4	Analyzed by: csk



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QC Summary  
#240115

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QC Report  
#240115

Tronox LLC - Henderson

QC Ref #425816 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.62	7.62	UNIT		( 0-20 )	0.0

QC Ref #425817 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.63	7.63	UNIT		( 0-20 )	0.0

QC Ref #425818 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.74	7.74	UNIT		( 0-20 )	0.0

QC Ref #426004 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05080665	MGL		( 0-0 )	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	( 85-115 )	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.055	MGL	110.0	( 85-115 )	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	( 50-150 )	
MS	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	( 70-130 )	
MSD	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	( 70-130 )	

QC Ref #426010 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05080147	UGL		( 0-0 )	
LCS1	Chlorate by IC	200	205	UGL	102.5	( 90-110 )	
LCS2	Chlorate by IC	200	212	UGL	106.0	( 90-110 )	

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)

MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.000	7.72	UGL	77.2	( 50-150 )	
MS	Chlorate by IC	100	85.9	UGL	85.9	( 75-125 )	
MSD	Chlorate by IC	100	96.0	UGL	96.0	( 75-125 )	
RPD_LCS	Chlorate by IC	102.500	106.000	UGL	3.4	( 0-20 )	
RPD_MS	Chlorate by IC	85.900	96.000	UGL	11.1	( 0-20 )	

QC Ref #426024 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	05080037	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.9	UGL	95.6	( 85-115 )	
LCS2	Perchlorate	25.0	23.8	UGL	95.2	( 85-115 )	
LCS3	Perchlorate	4	4.60	UGL	115.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	26.6	UGL	106.4	( 80-120 )	
MSD	Perchlorate	25.0	27.2	UGL	108.8	( 80-120 )	
RPD_LCS	Perchlorate	95.600	95.200	UGL	0.4	( 0-15 )	
RPD_MS	Perchlorate	106.400	108.800	UGL	1.0	( 0-15 )	

QC Ref #426025 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	05080254	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.3	UGL	93.2	( 85-115 )	
LCS2	Perchlorate	25.0	23.5	UGL	94.0	( 85-115 )	
LCS3	Perchlorate	4	3.69	UGL	92.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.4	UGL	85.6	( 80-120 )	
MSD	Perchlorate	25.0	22.0	UGL	88.0	( 80-120 )	
RPD_LCS	Perchlorate	93.200	94.000	UGL	0.9	( 0-15 )	
RPD_MS	Perchlorate	85.600	88.000	UGL	1.0	( 0-15 )	

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Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates  
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Tronox LLC - Henderson  
 (continued)

**QC Ref #426286 Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	05080642	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	22.8	UGL	91.2	( 85-115 )	
LCS2	Perchlorate	25.0	23.2	UGL	92.8	( 85-115 )	
LCS3	Perchlorate	4	3.81	UGL	95.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	26.3	UGL	105.2	( 80-120 )	
MSD	Perchlorate	25.0	26.0	UGL	104.0	( 80-120 )	
RPD_LCS	Perchlorate	91.200	92.800	UGL	1.7	( 0-15 )	
RPD_MS	Perchlorate	105.200	104.000	UGL	1.0	( 0-15 )	

**QC Ref #426289 Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	05100095	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	27.1	UGL	108.4	( 85-115 )	
LCS2	Perchlorate	25.0	26.6	UGL	106.4	( 85-115 )	
LCS3	Perchlorate	4	3.75	UGL	93.8	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.5	UGL	102.0	( 80-120 )	
MSD	Perchlorate	25.0	25.0	UGL	100.0	( 80-120 )	
RPD_LCS	Perchlorate	108.400	106.400	UGL	1.9	( 0-15 )	
RPD_MS	Perchlorate	102.000	100.000	UGL	1.0	( 0-15 )	

**QC Ref #426549 Nitrate as Nitrogen by IC**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05081001	MGL		( 0-0 )	
LCS1	Nitrate as Nitrogen by IC	2.5	2.53	MGL	101.2	( 90-110 )	
LCS2	Nitrate as Nitrogen by IC	2.5	2.60	MGL	104.0	( 90-110 )	

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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Tronox LLC - Henderson  
(continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.047	MGL	94.0	( 50-150 )	
MS	Nitrate as Nitrogen by IC	1.25	1.43	MGL	<u>114.4</u>	( 80-112 )	
MSD	Nitrate as Nitrogen by IC	1.25	1.30	MGL	104.0	( 80-112 )	
RPD_LCS	Nitrate as Nitrogen by IC	101.200	104.000	MGL	2.7	( 0-20 )	
RPD_MS	Nitrate as Nitrogen by IC	114.400	104.000	MGL	9.5	( 0-20 )	

QC Ref #426856 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130425	MGL		( 0-0 )	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.051	MGL	102.0	( 85-115 )	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.054	MGL	108.0	( 85-115 )	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.004	MGL	80.0	( 50-150 )	
MS	Hexavalent chromium (Cr VI)	0.05	0.046	MGL	92.0	( 70-130 )	
MSD	Hexavalent chromium (Cr VI)	0.05	0.052	MGL	104.0	( 70-130 )	

QC Ref #427339 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05160358	MGL		( 0-0 )	
LCS1	Nitrate as Nitrogen by IC	2.5	2.46	MGL	98.4	( 90-110 )	
LCS2	Nitrate as Nitrogen by IC	2.5	2.60	MGL	104.0	( 90-110 )	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0520	MGL	104.0	( 50-150 )	
MS	Nitrate as Nitrogen by IC	1.25	1.28	MGL	102.4	( 80-112 )	
MSD	Nitrate as Nitrogen by IC	1.25	1.29	MGL	103.2	( 80-112 )	
RPD_LCS	Nitrate as Nitrogen by IC	98.400	104.000	MGL	5.5	( 0-20 )	
RPD_MS	Nitrate as Nitrogen by IC	102.400	103.200	MGL	0.8	( 0-20 )	

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Tronox LLC - Henderson  
(continued)

QC Ref #427408      Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05080195	MGL		( 0-0 )	
LCS1	Chromium, Total, ICAP	1.00	0.986	MGL	98.6	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.990	MGL	99.0	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0118	MGL	118.0	( 50-150 )	
MS	Chromium, Total, ICAP	1.00	0.975	MGL	97.5	( 70-130 )	
MS2	Chromium, Total, ICAP	1.00	0.980	MGL	98.0	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	( 70-130 )	
MSD2	Chromium, Total, ICAP	1.00	0.950	MGL	95.0	( 70-130 )	

QC Ref #427547      Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05080696	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	6424	6440	MGL		( 0-10 )	0.2
LCS1	Total Dissolved Solid (TDS)	175	182	MGL	104.0	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	698	MGL	99.7	( 80-114 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	104.000	99.714	MGL	4.2	( 0-20 )	

QC Ref #427562      Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05080646	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	1994	1984	MGL		( 0-10 )	0.5
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	682	MGL	97.4	( 80-114 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
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Laboratory  
QC Report  
#240115

Tronox LLC - Henderson  
(continued)

MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	( 50-150 )
RPD_LCS	Total Dissolved Solid (TDS)	100.571	97.429	MGL	3.2	( 0-20 )

**QC Ref #428312          Chromium, Total, ICAP**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05080677	MGL		( 0-0 )	
LCS1	Chromium, Total, ICAP	1.00	0.985	MGL	98.5	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.953	MGL	95.3	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0115	MGL	115.0	( 50-150 )	
MS	Chromium, Total, ICAP	1.00	0.955	MGL	95.5	( 70-130 )	
MS2	Chromium, Total, ICAP	1.00	0.950	MGL	95.0	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	( 70-130 )	
MSD2	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	( 70-130 )	

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.