



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
Nov 23 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 258410
Project: CL04
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments, QC Report, QC Summary, Data Report, Hits Report, totaling 19 page[s].



BUILDING A BETTER WORLD

November 24, 2008

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

Subject: Case Narrative report 258410

Enclosed is MWH Laboratories Report 258410

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 5, 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:

Several samples were received past the 24 hour RCRA holding time for hexavalent chromium.

Results for M-79 are inconsistent with historical, but all parameters are different from historical data, suggesting that there is a change in the well.

The spiked sample for chromium could not be measured because the spike amount was much lower than the ambient level.

TDS blank recovery was low (negative value), but the LCS recovery was acceptable and all samples are more than 10X the absolute value of the blank level.

Sincerely,

A handwritten signature in cursive script that reads "Andrew Eaton".

Andrew Eaton, PhD
Project Manager



MVLABS USE ONLY:

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

SAMPLES CHECKED/LOGGED IN BY: 4/1/08
SAMPLE TEMP, RECEIPT AT LAB:
BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER: PROJECT JOB # / P.O.#
COMPANY / PROJECT NAME Quantiferly Groundwater Sampling
KERRMCGEE-MP Schedule B

PROJECT JOB # / P.O.#
Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

Sampler: Michele Brown
Susan Crowley (702) 651-2234

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CRVI 7196	CL03 9056	NO3 9056	See Bottle Order	SAMPLER Comments
542	11-4-08		PC-129	RGW	X		X	X	X					2 Bottles
557	11-4-08		PC-130	RGW	X		X	X	X					2 Bottles
628	11-4-08		PC-41	RGW	X		X	X	X					2 Bottles
641	11-4-08		PC-42	RGW	X		X	X	X					2 Bottles
654	11-4-08		PC-73	RGW	X		X	X	X					2 Bottles
617	11-4-08		M-44	RGW	X		X	X	X					2 Bottles
710	11-4-08		PC-37	RGW	X		X	X	X					2 Bottles
9:58	11-4-08		M-48	RGW	X		X	X	X					2 Bottles
	11-4-08		M-23	RGW	X		X	X	X				NO SAMPLE	2 Bottles
	11-4-08		MD-4	RGW	X		X	X	X					2 Bottles
751	11-4-08		M-57A	RGW	X		X	X	X					2 Bottles
955	11-4-08		EB-1	RGW	X		X	X	X	X				3 Bottles

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES
ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

Reported by Weight:
SO = Soil
SL = Sludge

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

RGW = Raw Ground Water
RSW = Raw Surface Water

Reported by Volume:
CFW = Chlorinated Finished Water
FW = Other Finished Water

RELINQUISHED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
<u>Michele Brown</u>		Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-4-08	12:00PM
<u>Justin Trapp</u>		Justin Trapp	MWH	11/5/08	11:27am
RELINQUISHED BY:					
RECEIVED BY:					



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MWLABS USE ONLY:

LOGIN COMMENTS: SAMPLES CHECKED/LOGGED IN BY: JS/SS

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: PROJECT JOB # / P.O.#: (check for yes)

(KERR)MICGEE-MP Quaterly Groundwater Sampling Schedule B

Sampler: Michelle Brown Tronox LLC - Henderson Plant P.O. Box 55 Henderson, NV 89009

Susan Crowley (702) 651-2234

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
8:07	11-4-08		M-131	RGW	X		X	X	X	X					2 Bottles
8:20	11-4-08		M-79	RGW	X		X	X	X	X					2 Bottles
8:30	11-4-08		M-109	RGW	X		X	X	X	X					2 Bottles
8:47	11-4-08		M-135	RGW	X		X	X	X	X					2 Bottles
9:20	11-4-08		M-25	RGW	X		X	X	X	X					2 Bottles
11:00	11-4-08		M-37	RGW	X		X	X	X	X					3 Bottles
10:30	11-4-08		M-99	RGW	X		X	X	X	X					2 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

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

Reported by Weight: CWW = Chlorinated Waste Water, WW = Other Waste Water, SW = Storm Water

RELINQUISHED BY: Michelle Brown SIGNATURE

RECEIVED BY: Jessica Gray PRINT NAME

RELINQUISHED BY: Jonathan Trapp COMPANY/TITLE

RECEIVED BY: MWH DATE

11-4-08 12:00PM

11/5/08 11:22am



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

Bottle Order for Ironox LLC- Henderson Standing

Client Code KERRMCGEE-MP Q Quarterly
 Project Code CLO4 Week 1
 PO# / Job#
 Blanket PO

Andrew Eston..... Your MWL Project Manager
 (626) 386-1125..... Direct Phone/Voice Mail

SO# 44952 33899 RS 0 Sampler: Please Return this Paper with your samples

Created by MWH

Order Date 09/15/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

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

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

Billing Address

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

ATTN: Susan Crowley
 PHONE: 702-651-2234

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

Quote#

MWH

Important Comments

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

UN#

UN 2031

1-250ml poly acid rinsed + 1ml HNO3 (18%)

1 500 ml poly /no preservative

1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!**

First, Third, and fourth quarters

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

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

Carrier Qty of Coolers Tracking Number

Date Shipped

Status

Prepared By

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#: 258410
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **11/05/08**. 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
2811060290	PC-129	CLO4 CR6010	Water P PH9040	04-nov-2008 05:42:00 T TDS
2811060291	PC-130	CLO4 CR6010	Water P PH9040	04-nov-2008 05:57:00 T TDS
2811060292	PC-71	CLO4 CR6010	Water P PH9040	04-nov-2008 06:28:00 T TDS
2811060293	PC-72	CLO4 CR6010	Water P PH9040	04-nov-2008 06:41:00 T TDS
2811060294	PC-73	CLO4 CR6010	Water P PH9040	04-nov-2008 06:54:00 T TDS
2811060295	M-44	CLO4 CR6010	Water P PH9040	04-nov-2008 06:17:00 T TDS
2811060296	PC-37	CLO4 CR6010	Water P PH9040	04-nov-2008 07:10:00 T TDS
2811060297	M-48	CLO4 CR6010	Water P PH9040	04-nov-2008 09:55:00 T TDS
2811060298	MD-4	CLO4 CR6010	Water P PH9040	04-nov-2008 00:00:00 T TDS
2811060299	M-57A	CLO4 CR6010	Water P PH9040	04-nov-2008 07:51:00 T TDS
2811060300	EB-1	CLO4 CR6010 TDS	Water CRVI7196 P PH9040	04-nov-2008 07:55:00 PH9040 T
2811060302	M-131	CLO4 CR6010	Water P PH9040	04-nov-2008 08:07:00 T TDS
2811060308	M-79	CLO4 CR6010	Water P PH9040	04-nov-2008 08:20:00 T TDS
2811060309	M-69	CLO4 CR6010	Water P PH9040	04-nov-2008 08:36:00 T TDS
2811060310	M-135	CLO4 CR6010	Water P PH9040	04-nov-2008 08:47:00 T TDS
2811060311	M-25	CLO4 CR6010	Water P PH9040	04-nov-2008 09:20:00 T TDS

Tronox LLC - Henderson
 PO Box 55
 Henderson, NV 89009
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Customer Code: KERRMCGEE-MP
 PO#: Susan Crowley PO
 Group#: 258410
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2811060313	M-37	CLO4 CR6010 TDS	Water CRVI7196 P	04-nov-2008 11:00:00 PH9040 T
2811060314	M-99	CLO4 CR6010	Water P PH9040	04-nov-2008 10:30:00 T TDS

Test Acronym Description

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



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Report
Comments
#258410

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: _____

Group Comments

(TDS) MB result was low; 2nd MRL_CHK recovered high. Data acceptable since other MRL_CHKs and LCSS are passing and only ND results or results greater than 10x MRL were reported.

(QC Ref#: 2811060300)

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#: 2811060311)

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

M3 - The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.

(QC Ref#: 2811060313)

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

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



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Laboratory
 Hits Report
 #258410

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

Samples Received
 05-nov-2008 11:27:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811060290	PC-129				
11/12/08	Chromium, Total, ICAP		0.72		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		418000		ug/l	20000
11/10/08	Total Dissolved Solid (TDS)		8340	500	mg/l	10
	2811060291	PC-130				
11/12/08	Chromium, Total, ICAP		0.74		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		453000		ug/l	20000
11/10/08	Total Dissolved Solid (TDS)		6900	500	mg/l	10
	2811060292	PC-71				
11/12/08	Chromium, Total, ICAP		0.73		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		577000		ug/l	40000
11/11/08	Total Dissolved Solid (TDS)		8650	500	mg/l	10
	2811060293	PC-72				
11/12/08	Chromium, Total, ICAP		0.26		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/08/08	Perchlorate		287000		ug/l	20000
11/11/08	Total Dissolved Solid (TDS)		7040	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#258410

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

Samples Received
05-nov-2008 11:27:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811060294	PC-73				
	2811060294	PC-73				
11/12/08	Chromium, Total, ICAP		0.39		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		339000		ug/l	20000
11/11/08	Total Dissolved Solid (TDS)		6560	500	mg/l	10
	2811060295	M-44				
11/13/08	Chromium, Total, ICAP		0.83		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		676000		ug/l	40000
11/11/08	Total Dissolved Solid (TDS)		8140	500	mg/l	10
	2811060296	PC-37				
11/13/08	Chromium, Total, ICAP		0.18		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		316000		ug/l	20000
11/11/08	Total Dissolved Solid (TDS)		6640	500	mg/l	10
	2811060297	M-48				
11/13/08	Chromium, Total, ICAP		1.2		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010

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Susan Crowley
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Samples Received
05-nov-2008 11:27:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811060297	M-48				
11/11/08	Perchlorate		222000		ug/l	20000
11/10/08	Total Dissolved Solid (TDS)		2940	500	mg/l	10
	2811060298	MD-4				
11/13/08	Chromium, Total, ICAP		0.46		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/08/08	Perchlorate		475000		ug/l	40000
11/10/08	Total Dissolved Solid (TDS)		7960	500	mg/l	10
	2811060299	M-57A				
11/13/08	Chromium, Total, ICAP		0.071		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/08/08	Perchlorate		26800		ug/l	2000
11/10/08	Total Dissolved Solid (TDS)		3120	500	mg/l	10
	2811060300	EB-1				
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		6.4		Units	0.0010
	2811060302	M-131				
11/13/08	Chromium, Total, ICAP		0.089		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/08/08	Perchlorate		62600		ug/l	4000

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Tronox LLC - Henderson
Susan Crowley
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Samples Received
05-nov-2008 11:22:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811060302	M-131				
11/10/08	Total Dissolved Solid (TDS)		3170	500	mg/l	10
	2811060308	M-79				
11/13/08	Chromium, Total, ICAP		0.042		mg/l	0.010
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
11/11/08	Perchlorate		6380		ug/l	400
11/10/08	Total Dissolved Solid (TDS)		876	500	mg/l	10
	2811060309	M-69				
11/13/08	Chromium, Total, ICAP		0.14		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/11/08	Perchlorate		724000		ug/l	40000
11/10/08	Total Dissolved Solid (TDS)		4760	500	mg/l	10
	2811060310	M-135				
11/13/08	Chromium, Total, ICAP		0.078		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/08/08	Perchlorate		49700		ug/l	2000
11/10/08	Total Dissolved Solid (TDS)		3470	500	mg/l	10
	2811060311	M-25				
11/13/08	Chromium, Total, ICAP		12		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	

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Susan Crowley
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Samples Received
05-nov-2008 11:22:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811060311	M-25				
11/05/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/08/08	Perchlorate		427000		ug/l	20000
11/10/08	Total Dissolved Solid (TDS)		9400	500	mg/l	10
	2811060313	M-37				
11/13/08	Chromium, Total, ICAP		0.023		mg/l	0.020
11/07/08	Hexavalent chromium (Cr VI)		0.020		mg/l	0.0050
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
11/09/08	Perchlorate		1770000		ug/l	200000
11/10/08	Total Dissolved Solid (TDS)		4600	500	mg/l	10
	2811060314	M-99				
11/13/08	Chromium, Total, ICAP		0.34		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/09/08	Perchlorate		327000		ug/l	40000
11/10/08	Total Dissolved Solid (TDS)		4350	500	mg/l	10



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Laboratory
Data Report
#258410

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

Samples Received
11/05/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-129 (2811060290) Sampled on 11/04/08 05:42								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	418000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.72	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8340	mg/l	10	1
PC-130 (2811060291) Sampled on 11/04/08 05:57								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	453000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.74	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6900	mg/l	10	1
PC-71 (2811060292) Sampled on 11/04/08 06:28								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	577000	ug/l	40000	10000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.73	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8650	mg/l	10	1
PC-72 (2811060293) Sampled on 11/04/08 06:41								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	287000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.26	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7040	mg/l	10	1



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-73 (2811060294) Sampled on 11/04/08 06:54								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	339000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.39	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6560	mg/l	10	1
M-44 (2811060295) Sampled on 11/04/08 06:17								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	676000	ug/l	40000	10000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.83	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8140	mg/l	10	1
PC-37 (2811060296) Sampled on 11/04/08 07:10								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	316000	ug/l	20000	5000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.18	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459232	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6640	mg/l	10	1
M-48 (2811060297) Sampled on 11/04/08 09:55								
	11/11/08 18:02	460120	(EPA 314)	Perchlorate	222000	ug/l	20000	5000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	1.2	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2940	mg/l	10	1
MD-4 (2811060298) Sampled on 11/04/08 00:00								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	475000	ug/l	40000	10000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.46	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7960	mg/l	10	1



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-57A (2811060299)		Sampled on 11/04/08 07:51						
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	26800	ug/l	2000	500
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.071	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3120	mg/l	10	1
EB-1 (2811060300)		Sampled on 11/04/08 07:55						
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/07/08 14:04	459545	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.4	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1
M-131 (2811060302)		Sampled on 11/04/08 08:07						
	11/08/08 18:34	459759	(EPA 314)	Perchlorate	62600	ug/l	4000	1000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.089	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3170	mg/l	10	1
M-79 (2811060308)		Sampled on 11/04/08 08:20						
	11/11/08 18:02	460120	(EPA 314)	Perchlorate	6380	ug/l	400	100
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.042	mg/l	0.010	1
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	876	mg/l	10	1



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-69 (2811060309) Sampled on 11/04/08 08:36								
	11/11/08 18:02	460120	(EPA 314)	Perchlorate	724000	ug/l	40000	10000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.14	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4760	mg/l	10	1
M-135 (2811060310) Sampled on 11/04/08 08:47								
	11/08/08 18:34	459759	(EPA 314)	Perchlorate	49700	ug/l	2000	500
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.078	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3470	mg/l	10	1
M-25 (2811060311) Sampled on 11/04/08 09:20								
	11/08/08 18:34	459759	(EPA 314)	Perchlorate	427000	ug/l	20000	5000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	12 (M3)	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9400	mg/l	10	1
M-37 (2811060313) Sampled on 11/04/08 11:00								
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	1770000	ug/l	200000	50000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.023	mg/l	0.020	2
	11/07/08 14:04	459545	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.020 (H3)	mg/l	0.0050	1
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4600	mg/l	10	1



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Tronox LLC - Henderson
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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-99 (2811060314)				Sampled on 11/04/08 10:30				
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	327000	ug/l	40000	10000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.34	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4350	mg/l	10	1



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Tronox LLC - Henderson

QC Ref #0

- Metals Turbidity

Analysis Date: 11/07/2008

2811060290	PC-129	Analyzed by: jrf
2811060290	PC-129	Analyzed by: jrf
2811060291	PC-130	Analyzed by: jrf
2811060291	PC-130	Analyzed by: jrf
2811060292	PC-71	Analyzed by: jrf
2811060292	PC-71	Analyzed by: jrf
2811060293	PC-72	Analyzed by: jrf
2811060293	PC-72	Analyzed by: jrf
2811060294	PC-73	Analyzed by: jrf
2811060294	PC-73	Analyzed by: jrf
2811060295	M-44	Analyzed by: jrf
2811060295	M-44	Analyzed by: jrf
2811060296	PC-37	Analyzed by: jrf
2811060296	PC-37	Analyzed by: jrf
2811060297	M-48	Analyzed by: jrf
2811060297	M-48	Analyzed by: jrf
2811060298	MD-4	Analyzed by: jrf
2811060298	MD-4	Analyzed by: jrf
2811060299	M-57A	Analyzed by: jrf
2811060299	M-57A	Analyzed by: jrf
2811060300	EB-1	Analyzed by: jrf
2811060300	EB-1	Analyzed by: jrf
2811060302	M-131	Analyzed by: jrf
2811060302	M-131	Analyzed by: jrf
2811060308	M-79	Analyzed by: jrf
2811060308	M-79	Analyzed by: jrf
2811060309	M-69	Analyzed by: jrf
2811060309	M-69	Analyzed by: jrf
2811060310	M-135	Analyzed by: jrf
2811060310	M-135	Analyzed by: jrf
2811060311	M-25	Analyzed by: jrf
2811060311	M-25	Analyzed by: jrf
2811060313	M-37	Analyzed by: jrf
2811060313	M-37	Analyzed by: jrf
2811060314	M-99	Analyzed by: jrf
2811060314	M-99	Analyzed by: jrf



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QC Ref #459232 - PH (H3=past HT, not compliant) Analysis Date: 11/05/2008

2811060296	PC-37	Analyzed by: sar
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QC Ref #459233 - PH (H3=past HT, not compliant) Analysis Date: 11/05/2008

2811060290	PC-129	Analyzed by: sar
2811060291	PC-130	Analyzed by: sar
2811060292	PC-71	Analyzed by: sar
2811060293	PC-72	Analyzed by: sar
2811060294	PC-73	Analyzed by: sar
2811060295	M-44	Analyzed by: sar
2811060297	M-48	Analyzed by: sar
2811060300	EB-1	Analyzed by: sar
2811060311	M-25	Analyzed by: sar
2811060313	M-37	Analyzed by: sar

QC Ref #459234 - PH (H3=past HT, not compliant) Analysis Date: 11/05/2008

2811060298	MD-4	Analyzed by: sar
2811060299	M-57A	Analyzed by: sar
2811060302	M-131	Analyzed by: sar
2811060308	M-79	Analyzed by: sar
2811060309	M-69	Analyzed by: sar
2811060310	M-135	Analyzed by: sar
2811060314	M-99	Analyzed by: sar

QC Ref #459545 - Hexavalent chromium (Cr VI) Analysis Date: 11/07/2008

2811060300	EB-1	Analyzed by: azs
2811060313	M-37	Analyzed by: azs

QC Ref #459741 - Perchlorate Analysis Date: 11/08/2008

2811060290	PC-129	Analyzed by: ser
2811060291	PC-130	Analyzed by: ser
2811060292	PC-71	Analyzed by: ser
2811060293	PC-72	Analyzed by: ser



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2811060294	PC-73	Analyzed by: ser
2811060295	M-44	Analyzed by: ser
2811060296	PC-37	Analyzed by: ser
2811060298	MD-4	Analyzed by: ser
2811060299	M-57A	Analyzed by: ser
2811060300	EB-1	Analyzed by: ser

QC Ref #459759 - Perchlorate

Analysis Date: 11/08/2008

2811060302	M-131	Analyzed by: ser
2811060310	M-135	Analyzed by: ser
2811060311	M-25	Analyzed by: ser
2811060313	M-37	Analyzed by: ser
2811060314	M-99	Analyzed by: ser

QC Ref #460120 - Perchlorate

Analysis Date: 11/11/2008

2811060297	M-48	Analyzed by: ser
2811060308	M-79	Analyzed by: ser
2811060309	M-69	Analyzed by: ser

QC Ref #460146 - Total Dissolved Solid (TDS)

Analysis Date: 11/10/2008

2811060290	PC-129	Analyzed by: yaa
2811060291	PC-130	Analyzed by: yaa
2811060297	M-48	Analyzed by: yaa
2811060298	MD-4	Analyzed by: yaa
2811060299	M-57A	Analyzed by: yaa
2811060300	EB-1	Analyzed by: yaa
2811060302	M-131	Analyzed by: yaa
2811060308	M-79	Analyzed by: yaa
2811060309	M-69	Analyzed by: yaa
2811060310	M-135	Analyzed by: yaa
2811060311	M-25	Analyzed by: yaa
2811060313	M-37	Analyzed by: yaa
2811060314	M-99	Analyzed by: yaa



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QC Ref #460442 - Chromium, Total, ICAP

Analysis Date: 11/12/2008

2811060290	PC-129	Analyzed by: csk
2811060291	PC-130	Analyzed by: csk
2811060292	PC-71	Analyzed by: csk
2811060293	PC-72	Analyzed by: csk
2811060294	PC-73	Analyzed by: csk

QC Ref #460443 - Chromium, Total, ICAP

Analysis Date: 11/13/2008

2811060295	M-44	Analyzed by: csk
2811060296	PC-37	Analyzed by: csk
2811060297	M-48	Analyzed by: csk
2811060298	MD-4	Analyzed by: csk
2811060299	M-57A	Analyzed by: csk
2811060300	EB-1	Analyzed by: csk
2811060302	M-131	Analyzed by: csk
2811060308	M-79	Analyzed by: csk
2811060309	M-69	Analyzed by: csk
2811060310	M-135	Analyzed by: csk
2811060311	M-25	Analyzed by: csk
2811060313	M-37	Analyzed by: csk
2811060314	M-99	Analyzed by: csk

QC Ref #460481 - Total Dissolved Solid (TDS)

Analysis Date: 11/11/2008

2811060292	PC-71	Analyzed by: yaa
2811060293	PC-72	Analyzed by: yaa
2811060294	PC-73	Analyzed by: yaa
2811060295	M-44	Analyzed by: yaa
2811060296	PC-37	Analyzed by: yaa



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QC Ref #459232 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.50	7.52	UNIT		(0-20)	0.3

QC Ref #459233 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.53	7.54	UNIT		(0-20)	0.1

QC Ref #459234 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.70	7.69	UNIT		(0-20)	0.1

QC Ref #459545 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060300	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.055	MGL	110.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.053	MGL	106.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.005	MGL	100.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.057	MGL	114.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	

QC Ref #459741 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11060036	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS2	Perchlorate	25.0	24.5	UGL	98.0	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.



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LCS3	Perchlorate	4	4.91	UGL	122.6	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	24.1	UGL	96.4	(80-120)
MSD	Perchlorate	25.0	22.3	UGL	89.2	(80-120)
RPD_LCS	Perchlorate	98.400	98.000	UGL	0.4	(0-15)
RPD_MS	Perchlorate	96.400	89.200	UGL	0.9	(0-15)

QC Ref #459759

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11060302	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS2	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS3	Perchlorate	4	3.30	UGL	82.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.8	UGL	103.2	(80-120)	
MSD	Perchlorate	25.0	26.2	UGL	104.8	(80-120)	
RPD_LCS	Perchlorate	101.600	104.000	UGL	2.3	(0-15)	
RPD_MS	Perchlorate	103.200	104.800	UGL	1.0	(0-15)	

QC Ref #460120

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11070075	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.2	UGL	104.8	(85-115)	
LCS2	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS3	Perchlorate	4	4.34	UGL	108.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.6	UGL	98.4	(80-120)	
MSD	Perchlorate	25.0	24.3	UGL	97.2	(80-120)	
RPD_LCS	Perchlorate	104.800	104.600	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	98.400	97.200	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates
are advisory only, unless otherwise specified in the method.

Tronox LLC - Henderson
 (continued)

QC Ref #460146 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060299	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	3170	3120	MGL		(0-10)	1.6
LCS1	Total Dissolved Solid (TDS)	175	172	MGL	98.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	690	MGL	98.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	98.286	98.571	MGL	0.3	(0-20)	

QC Ref #460442 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11050417	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0100	MGL	100.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.74	MGL	74.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.99	MGL	99.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.74	MGL	74.0	(70-130)	

QC Ref #460443 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060308	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0096	MGL	96.0	(50-150)	

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Laboratory
QC Report
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Tronox LLC - Henderson
(continued)

MS	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.857	MGL	85.7	(70-130)
MSD	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.709	MGL	70.9	(70-130)

QC Ref #460481

Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060295	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	8190	8140	MGL		(0-10)	0.6
LCS1	Total Dissolved Solid (TDS)	175	162	MGL	92.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	674	MGL	96.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	13	MGL	130.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	92.571	96.286	MGL	3.9	(0-20)	

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.