



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)

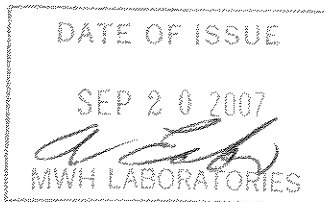
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager

Report#211929R replaces the original Report.



Report#: 211929R
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 23 page[s].



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September 20, 2007

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

Subject: Case Narrative report 211929R

Enclosed is MWH Laboratories Report 211929R

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on July 31, 2007 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:

For the MWH Laboratories data the following issues were observed: 4 samples were analyzed past the 24 hour holding for hexavalent chromium because they were received past the 24 hour hold time.

2707310402 M-94 2707310405 M-44 2707310411 FB-1 2707310412 MD-1

Report revised to correct duplicate QC for PH09040 and CR6010

Sincerely,

Andrew Eaton, PhD
Project Manager



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

21929

M/LABS USE ONLY:

750 Royal Oaks Ave., Suite 100, Monterey, CA 91016

(626) 386-1100 (600) 566-5227

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 3

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: PROJECT JOB # / P.O.#
 KERRMCGEE, MP Quarterly Groundwater Sampling
 Schedule B

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

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)							SAMPLER Comments	
				GRAB	COMP	PH 9040	TDS	ClO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order		
6:46	7-30-07		PC-123	RGW	X	X	X	X	X	X	X	X	2	Bottles
6:57	7-30-07		PC-124	RGW	X	X	X	X	X	X	X	X	2	Bottles
6:59	7-30-07		PC-125	RGW	X	X	X	X	X	X	X	X	2	Bottles
7:01	7-30-07		PC-126	RGW	X	X	X	X	X	X	X	X	2	Bottles
7:03	7-30-07		PC-127	RGW	X	X	X	X	X	X	X	X	2	Bottles
7:05	7-30-07		PC-128	RGW	X	X	X	X	X	X	X	X	2	Bottles
7:07	7-30-07		PC-129	RGW	X	X	X	X	X	X	X	X	2	Bottles
7:09	7-30-07		PC-130	RGW	X	X	X	X	X	X	X	X	2	Bottles
7:11	7-30-07		PC-131	RGW	X	X	X	X	X	X	X	X	2	Bottles
7:13	7-30-07		PC-132	RGW	X	X	X	X	X	X	X	X	2	Bottles
7:15	7-30-07		M-96	RGW	X	X	X	X	X	X	X	X	2	Bottles
7:17	7-30-07		M-97	RGW	X	X	X	X	X	X	X	X	2	Bottles

* MATRIX TYPES: Reported by Volume: CFW = Chlor(am)inated Finished Water FW = Other Finished Water
 Reported by Weight: SO = Soil SL = Sludge
 RGW = Raw Ground Water CWW = Chlorinated Waste Water
 RSW = Raw Surface Water WW = Other Waste Water
 SW = Storm Water

RELINQUISHED BY: Michele Brown SIGNATURE: Joe Sanchez PRINT NAME: Michele Brown

RECEIVED BY: Joe Sanchez COMPANY/TITLE: Yeolia Water NA for Tronox LLC - Henderson Plant

DATE: 7/30/07 TIME: 12:00PM

RECEIVED BY: Joe Sanchez DATE: 7/30/07 TIME: 12:00PM



MONTEGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

MW LABS USE ONLY

750 Foyal Oaks Ave, Suite 100, Montevia, CA 94016
 (626) 386-1100 (800) 566-5227

SAMPLES CHECKED/LOGGED IN BY: CS

SAMPLE TEMP, RECEIPT AT LAB: 3

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: Tronox LLC - Henderson Plant PROJECT JOB # / P.O.#: Schedule 6 (Check for yes)

SAMPLER: Michelle Brown ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	PH 9040	TDS	ClO4	CRW 7196	ClO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
9:30	7-30-07		PC-54	RGW	X		X	X	X					2 Bottles
9:48	7-30-07		M-48	RGW	X		X	X	X					2 Bottles
10:17	7-30-07		M-214	RGW	X		X	X	X	X				3 Bottles
11:28	7-30-07		PC-371	RGW	X		X	X	X					2 Bottles
10:20	7-30-07		PC-111	RGW	X		X	X	X					2 Bottles
10:35	7-30-07		PC-112	RGW	X		X	X	X					2 Bottles
10:31	7-30-07		PC-113	RGW	X		X	X	X					2 Bottles
11:34	7-30-07		M-233	RGW	X		X	X	X					2 Bottles
6:08	7-30-07		FB-1	RGW	X		X	X	X	X				3 Bottles
	7-30-07		MD-1	RGW	X		X	X	X	X				3 Bottles
	7-30-07		MD-3	RGW	X		X	X	X	X				2 Bottles

* MATRIX TYPES: Reported by Volume: CFW = Chloraminated Finished Water, FW = Other Finished Water, RGW = Raw Ground Water, RSW = Raw Surface Water
 Reported by Weight: SO = Soil, SL = Sludge
 CWW = Chlorinated Waste Water, WW = Other Waste Water, SW = Storm Water

RECEIVED BY: Michelle Brown SIGNATURE: Michelle Brown PRINT NAME: Michelle Brown
 REQUESTED BY: Michelle Brown
 RE-INSTALLED BY: Michelle Brown
 RECEIVED BY: Michelle Brown
 COMPANY/TITLE: Veolia Water NA for Tronox LLC - Henderson Plant
 DATE: 7-31-07 TIME: 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
 (926) 386-1125 Direct Phone/Voice Mail
 Project Code CLO4
 PO# / Job#
 Blanket PO

Client Code KERPMCGEE-MP
 Project Code CLO4
 Period Q Quarterly
 Week 1

SO# 36799 36799 RS 0 **Ship Sample Kits to**
Sampler: Please Return this Paper with your samples
 Gate 1

Tronox LLC-Veolia Water
 8000 West Lake Mead Drive
 Henderson, NV 89015

Send Report to
 Ironox LLC- Henderson Plant
 PO Box 55
 Henderson, NV 89009

Billing Address
 Ironox LLC
 PO Box 3049
 Livonia, MI 48150

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

Quote#

Date Samples
 to Arrive at MWL
SHIP LOCATION

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 -
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative		PLEASE PUT LABELS ON
15	CRV17196	1 125ml poly acid rinsed/ no preservative SHORT HOLDING TIME!!!!		BOTTLES; PLEASE PUT IN 4
				COOLERS SINCE SAMPLING
				TAKES 3-4 DAYS
				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

Active Code Status Date Shipped Carrier Qty of Coolers Tracking Number 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#: 211929
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **07/31/07**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2707310391	PC-123	CLO4 CR6010	Water P PH9040	30-jul-2007 05:46:00 TDS
2707310392	PC-124	CLO4 CR6010	Water P PH9040	30-jul-2007 06:05:00 TDS
2707310393	PC-125	CLO4 CR6010	Water P PH9040	30-jul-2007 06:17:00 TDS
2707310394	PC-126	CLO4 CR6010	Water P PH9040	30-jul-2007 06:31:00 TDS
2707310395	PC-127	CLO4 CR6010	Water P PH9040	30-jul-2007 06:41:00 TDS
2707310396	PC-128	CLO4 CR6010	Water P PH9040	30-jul-2007 07:00:00 TDS
2707310397	PC-129	CLO4 CR6010	Water P PH9040	30-jul-2007 07:18:00 TDS
2707310398	PC-130	CLO4 CR6010	Water P PH9040	30-jul-2007 07:34:00 TDS
2707310399	PC-131	CLO4 CR6010	Water P PH9040	30-jul-2007 07:51:00 TDS
2707310400	PC-132	CLO4 CR6010	Water P PH9040	30-jul-2007 08:09:00 TDS
2707310401	M-96	CLO4 CR6010	Water P PH9040	30-jul-2007 08:48:00 TDS
2707310402	M-94	CLO4 CR6010	Water P PH9040	30-jul-2007 11:55:00 TDS
2707310403	PC-54	CLO4 CR6010	Water P PH9040	30-jul-2007 09:30:00 TDS
2707310404	M-48	CLO4 CR6010	Water P PH9040	30-jul-2007 09:48:00 TDS
2707310405	M-44	CLO4 CR6010	Water P PH9040	30-jul-2007 12:17:00 TDS
2707310406	PC-37	CLO4 CR6010	Water P PH9040	30-jul-2007 11:08:00 TDS

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#: 211929
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2707310407	PC-71	CLO4 CR6010	Water P	30-jul-2007 10:20:00
2707310408	PC-72	CLO4 CR6010	Water P	30-jul-2007 10:35:00
2707310409	PC-73	CLO4 CR6010	Water P	30-jul-2007 10:51:00
2707310410	M-23	CLO4 CR6010	Water P	30-jul-2007 11:34:00
2707310411	FB-1	CLO4 CR6010	Water P	30-jul-2007 06:08:00
2707310412	MD-1	CLO4 CR6010 TDS	Water CRVI7196 P	30-jul-2007 00:00:00
2707310413	MD-3	CLO4 CR6010	Water P	30-jul-2007 00:00:00

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
#211929

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

Report revised to correct duplicate QC for PH9040 and CR6010.

(QC Ref#: 2707310394)

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

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

(QC Ref#: 2707310411)

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

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



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Laboratory
Hits Report
#211929

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

Samples Received
31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707310391	PC-123				
08/04/07		Chromium, Total, ICAP	1.5		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/03/07		Perchlorate	380000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	8080	500	mg/l	10
	2707310392	PC-124				
08/04/07		Chromium, Total, ICAP	0.023		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/03/07		Perchlorate	4810		ug/l	400
08/01/07		Total Dissolved Solid (TDS)	6030	500	mg/l	10
	2707310393	PC-125				
08/04/07		Chromium, Total, ICAP	0.025		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/03/07		Perchlorate	5530		ug/l	400
08/01/07		Total Dissolved Solid (TDS)	6440	500	mg/l	10
	2707310394	PC-126				
08/04/07		Chromium, Total, ICAP	0.086		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.3		Units	0.0010
08/03/07		Perchlorate	11700		ug/l	800
08/21/07		Total Dissolved Solid (TDS)	11050	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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 #211929

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

Samples Received
 31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707310395	PC-127				
	2707310395	PC-127				
08/04/07		Chromium, Total, ICAP	1.5		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/03/07		Perchlorate	417000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	8310	500	mg/l	10
	2707310396	PC-128				
08/04/07		Chromium, Total, ICAP	0.11		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.6		Units	0.0010
08/03/07		Perchlorate	170000		ug/l	20000
08/01/07		Total Dissolved Solid (TDS)	5480	500	mg/l	10
	2707310397	PC-129				
08/04/07		Chromium, Total, ICAP	0.61		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/05/07		Perchlorate	400000		ug/l	200000
08/01/07		Total Dissolved Solid (TDS)	6980	500	mg/l	10
	2707310398	PC-130				
08/04/07		Chromium, Total, ICAP	0.69		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010

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Laboratory
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 #211929

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

Samples Received
 31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707310398	PC-130				
08/03/07	Perchlorate		472000		ug/l	40000
08/01/07	Total Dissolved Solid (TDS)		7410	500	mg/l	10
	2707310399	PC-131				
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/03/07	Perchlorate		13000		ug/l	2000
08/01/07	Total Dissolved Solid (TDS)		9320	500	mg/l	10
	2707310400	PC-132				
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/03/07	Perchlorate		3300		ug/l	400
08/01/07	Total Dissolved Solid (TDS)		9220	500	mg/l	10
	2707310401	M-96				
08/04/07	Chromium, Total, ICAP		1.7		mg/l	0.010
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/04/07	Perchlorate		421000		ug/l	40000
08/01/07	Total Dissolved Solid (TDS)		7800	500	mg/l	10
	2707310402	M-94				
08/04/07	Chromium, Total, ICAP		0.72		mg/l	0.010
07/31/07	Hexavalent chromium (Cr VI)		0.74		mg/l	0.050
08/01/07	Metals digestion performed.		Y		Yes/No	

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Hits Report
#211929

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

Samples Received
31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707310402	M-94				
08/01/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/03/07	Perchlorate		625000		ug/l	40000
08/01/07	Total Dissolved Solid (TDS)		8280	500	mg/l	10
	2707310403	PC-54				
08/04/07	Chromium, Total, ICAP		2.6		mg/l	0.010
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/03/07	Perchlorate		311000		ug/l	40000
08/01/07	Total Dissolved Solid (TDS)		7340	500	mg/l	10
	2707310404	M-48				
08/04/07	Chromium, Total, ICAP		0.97		mg/l	0.010
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/03/07	Perchlorate		167000		ug/l	20000
08/01/07	Total Dissolved Solid (TDS)		2980	500	mg/l	10
	2707310405	M-44				
08/04/07	Chromium, Total, ICAP		0.88		mg/l	0.010
07/31/07	Hexavalent chromium (Cr VI)		0.95		mg/l	0.050
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/03/07	Perchlorate		854000		ug/l	200000
08/01/07	Total Dissolved Solid (TDS)		9320	500	mg/l	10
	2707310406	PC-37				

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Laboratory
 Hits Report
 #211929

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

Samples Received
 31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707310406	PC-37				
08/04/07		Chromium, Total, ICAP	0.18		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/03/07		Perchlorate	308000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	7560	500	mg/l	10
	2707310407	PC-71				
08/04/07		Chromium, Total, ICAP	0.50		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/03/07		Perchlorate	600000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	8900	500	mg/l	10
	2707310408	PC-72				
08/04/07		Chromium, Total, ICAP	0.31		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.6		Units	0.0010
08/03/07		Perchlorate	369000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	7770	500	mg/l	10
	2707310409	PC-73				
08/04/07		Chromium, Total, ICAP	0.40		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/03/07		Perchlorate	398000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	7500	500	mg/l	10

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Samples Received
 31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707310409	PC-73				
	2707310410	M-23				
08/04/07		Chromium, Total, ICAP	0.75		mg/l	0.010
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/03/07		Perchlorate	391000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	4550	500	mg/l	10
	2707310411	FB-1				
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	6.2		Units	0.0010
	2707310412	MD-1				
08/03/07		Chromium, Total, ICAP	0.72		mg/l	0.020
07/31/07		Hexavalent chromium (Cr VI)	0.76		mg/l	0.050
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/08/07		Perchlorate	687000		ug/l	200000
08/01/07		Total Dissolved Solid (TDS)	8120	500	mg/l	10
	2707310413	MD-3				
08/03/07		Chromium, Total, ICAP	0.41		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/03/07		Perchlorate	416000		ug/l	200000
08/01/07		Total Dissolved Solid (TDS)	7680	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#211929

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

Samples Received
31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707310413	MD-3				

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Laboratory
Data Report
#211929

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

Samples Received
07/31/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
				PC-123 (2707310391)	Sampled on 07/30/07 05:46			
	08/03/07 00:45	379600	(EPA 314)	Perchlorate	380000	ug/l	40000	10000
08/01/07	08/04/07 00:45	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	1.5	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8080	mg/l	10	1
				PC-124 (2707310392)	Sampled on 07/30/07 06:05			
	08/03/07 00:45	379600	(EPA 314)	Perchlorate	4810	ug/l	400	100
08/01/07	08/04/07 00:49	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.023	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6030	mg/l	10	1
				PC-125 (2707310393)	Sampled on 07/30/07 06:17			
	08/03/07 00:45	379600	(EPA 314)	Perchlorate	5530	ug/l	400	100
08/01/07	08/04/07 00:54	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.025	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6440	mg/l	10	1
				PC-126 (2707310394)	Sampled on 07/30/07 06:31			
	08/03/07 00:45	379600	(EPA 314)	Perchlorate	11700	ug/l	800	200
08/01/07	08/04/07 00:58	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.086	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/21/07	08/21/07 17:46	382170	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	11050 (HA)	mg/l	10	1



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Tronox LLC - Henderson
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-127 (2707310395)				Sampled on 07/30/07 06:41				
	08/03/07 00:45	379600	(EPA 314)	Perchlorate	417000	ug/l	40000	10000
08/01/07	08/04/07 01:19	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	1.5	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8310	mg/l	10	1
PC-128 (2707310396)				Sampled on 07/30/07 07:00				
	08/03/07 00:45	379600	(EPA 314)	Perchlorate	170000	ug/l	20000	5000
08/01/07	08/04/07 01:23	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.11	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5480	mg/l	10	1
PC-129 (2707310397)				Sampled on 07/30/07 07:18				
	08/05/07 00:10	379890	(EPA 314)	Perchlorate	400000	ug/l	200000	50000
08/01/07	08/04/07 01:27	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.61	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6980	mg/l	10	1
PC-130 (2707310398)				Sampled on 07/30/07 07:34				
	08/03/07 00:45	379600	(EPA 314)	Perchlorate	472000	ug/l	40000	10000
08/01/07	08/04/07 01:32	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.69	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7410	mg/l	10	1
PC-131 (2707310399)				Sampled on 07/30/07 07:51				
	08/03/07 00:45	379600	(EPA 314)	Perchlorate	13000	ug/l	2000	500
08/01/07	08/04/07 01:36	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9320	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-132 (2707310400) Sampled on 07/30/07 08:09								
	08/03/07 00:45	379600	(EPA 314)	Perchlorate	3300	ug/l	400	100
08/01/07	08/04/07 01:41	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9220	mg/l	10	1
M-96 (2707310401) Sampled on 07/30/07 08:48								
	08/04/07 00:17	379847	(EPA 314)	Perchlorate	421000	ug/l	40000	10000
08/01/07	08/04/07 01:45	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	1.7	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7800	mg/l	10	1
M-94 (2707310402) Sampled on 07/30/07 11:55								
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	625000	ug/l	40000	10000
08/01/07	08/04/07 01:50	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.72	mg/l	0.010	1
	07/31/07 12:24	379228	(ML/EPS 7196)	Hexavalent chromium (Cr VI)	0.74	mg/l	0.050	10
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379312	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8280	mg/l	10	1
PC-54 (2707310403) Sampled on 07/30/07 09:30								
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	311000	ug/l	40000	10000
08/01/07	08/04/07 01:54	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	2.6	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7340	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-48 (2707310404)				Sampled on 07/30/07 09:48				
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	167000	ug/l	20000	5000
08/01/07	08/04/07 01:58	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.97	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2980	mg/l	10	1
M-44 (2707310405)				Sampled on 07/30/07 12:17				
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	854000	ug/l	200000	50000
08/01/07	08/04/07 00:22	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.88	mg/l	0.010	1
	07/31/07 12:28	379228	(ML/EPS 7196)	Hexavalent chromium (Cr VI)	0.95	mg/l	0.050	10
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379312	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9320	mg/l	10	1
PC-37 (2707310406)				Sampled on 07/30/07 11:08				
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	308000	ug/l	40000	10000
08/01/07	08/04/07 02:15	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.18	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7560	mg/l	10	1
PC-71 (2707310407)				Sampled on 07/30/07 10:20				
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	600000	ug/l	40000	10000
08/01/07	08/04/07 02:19	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.50	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8900	mg/l	10	1



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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-72 (2707310408)		Sampled on 07/30/07 10:35						
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	369000	ug/l	40000	10000
08/01/07	08/04/07 02:24	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.31	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7770	mg/l	10	1
PC-73 (2707310409)		Sampled on 07/30/07 10:51						
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	398000	ug/l	40000	10000
08/01/07	08/04/07 02:28	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.40	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7500	mg/l	10	1
M-23 (2707310410)		Sampled on 07/30/07 11:34						
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	391000	ug/l	40000	10000
08/01/07	08/04/07 00:34	386150	(ML/EPA 6010B)	Chromium, Total, ICAP	0.75	mg/l	0.010	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379312	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4550	mg/l	10	1
FB-1 (2707310411)		Sampled on 07/30/07 06:08						
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
08/01/07	08/03/07 23:47	386149	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	07/31/07 12:29	379228	(ML/EPS 7196)	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.2	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1



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 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MD-1 (2707310412)		Sampled on 07/30/07 00:00						
	08/08/07 11:10	380214	(EPA 314)	Perchlorate	687000	ug/l	200000	50000
08/01/07	08/03/07 23:50	386149	(ML/EPA 6010B)	Chromium, Total, ICAP	0.72	mg/l	0.020	2
	07/31/07 12:27	379228	(ML/EPS 7196)	Hexavalent chromium (Cr VI)	0.76	mg/l	0.050	10
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8120	mg/l	10	1
MD-3 (2707310413)		Sampled on 07/30/07 00:00						
	08/03/07 12:20	379843	(EPA 314)	Perchlorate	416000	ug/l	200000	50000
08/01/07	08/03/07 23:55	386149	(ML/EPA 6010B)	Chromium, Total, ICAP	0.41	mg/l	0.020	2
	08/01/07 15:27		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7680	mg/l	10	1



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QC Summary
#211929

Tronox LLC - Henderson

QC Ref #379228 - Hexavalent chromium (Cr VI) Analysis Date: 07/31/2007

2707310402	M-94	Analyzed by: wbh
2707310405	M-44	Analyzed by: wbh
2707310411	FB-1	Analyzed by: wbh
2707310412	MD-1	Analyzed by: wbh

QC Ref #379310 - PH (H3=past HT, not compliant) Analysis Date: 08/01/2007

2707310391	PC-123	Analyzed by: faj
2707310392	PC-124	Analyzed by: faj
2707310393	PC-125	Analyzed by: faj
2707310394	PC-126	Analyzed by: faj
2707310395	PC-127	Analyzed by: faj
2707310396	PC-128	Analyzed by: faj
2707310397	PC-129	Analyzed by: faj
2707310398	PC-130	Analyzed by: faj
2707310399	PC-131	Analyzed by: faj
2707310400	PC-132	Analyzed by: faj
2707310401	M-96	Analyzed by: faj
2707310403	PC-54	Analyzed by: faj
2707310404	M-48	Analyzed by: faj
2707310406	PC-37	Analyzed by: faj
2707310407	PC-71	Analyzed by: faj
2707310408	PC-72	Analyzed by: faj
2707310409	PC-73	Analyzed by: faj
2707310411	FB-1	Analyzed by: faj
2707310412	MD-1	Analyzed by: faj
2707310413	MD-3	Analyzed by: faj

QC Ref #379312 - PH (H3=past HT, not compliant) Analysis Date: 08/01/2007

2707310402	M-94	Analyzed by: faj
2707310405	M-44	Analyzed by: faj
2707310410	M-23	Analyzed by: faj

QC Ref #379600 - Perchlorate

Analysis Date: 08/03/2007

2707310391	PC-123	Analyzed by: clv
2707310392	PC-124	Analyzed by: clv
2707310393	PC-125	Analyzed by: clv
2707310394	PC-126	Analyzed by: clv



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

Laboratory
QC Summary
#211929

Tronox LLC - Henderson
(continued)

2707310395	PC-127	Analyzed by: clv
2707310396	PC-128	Analyzed by: clv
2707310398	PC-130	Analyzed by: clv
2707310399	PC-131	Analyzed by: clv
2707310400	PC-132	Analyzed by: clv

QC Ref #379673 - Total Dissolved Solid (TDS) Analysis Date: 08/01/2007

2707310400	PC-132	Analyzed by: yvette
2707310401	M-96	Analyzed by: yvette
2707310402	M-94	Analyzed by: yvette
2707310403	PC-54	Analyzed by: yvette
2707310404	M-48	Analyzed by: yvette
2707310405	M-44	Analyzed by: yvette
2707310406	PC-37	Analyzed by: yvette
2707310407	PC-71	Analyzed by: yvette
2707310408	PC-72	Analyzed by: yvette
2707310409	PC-73	Analyzed by: yvette
2707310410	M-23	Analyzed by: yvette
2707310411	FB-1	Analyzed by: yvette
2707310412	MD-1	Analyzed by: yvette
2707310413	MD-3	Analyzed by: yvette

QC Ref #379674 - Total Dissolved Solid (TDS) Analysis Date: 08/01/2007

2707310391	PC-123	Analyzed by: yvette
2707310392	PC-124	Analyzed by: yvette
2707310393	PC-125	Analyzed by: yvette
2707310395	PC-127	Analyzed by: yvette
2707310396	PC-128	Analyzed by: yvette
2707310397	PC-129	Analyzed by: yvette
2707310398	PC-130	Analyzed by: yvette
2707310399	PC-131	Analyzed by: yvette

QC Ref #379843 - Perchlorate Analysis Date: 08/03/2007

2707310402	M-94	Analyzed by: clv
2707310403	PC-54	Analyzed by: clv
2707310404	M-48	Analyzed by: clv
2707310405	M-44	Analyzed by: clv
2707310406	PC-37	Analyzed by: clv



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Tronox LLC - Henderson
(continued)

2707310407	PC-71	Analyzed by: clv
2707310408	PC-72	Analyzed by: clv
2707310409	PC-73	Analyzed by: clv
2707310410	M-23	Analyzed by: clv
2707310411	FB-1	Analyzed by: clv
2707310413	MD-3	Analyzed by: clv

QC Ref #379847 - Perchlorate

Analysis Date: 08/04/2007

2707310401	M-96	Analyzed by: clv
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QC Ref #379890 - Perchlorate

Analysis Date: 08/05/2007

2707310397	PC-129	Analyzed by: clv
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QC Ref #380214 - Perchlorate

Analysis Date: 08/08/2007

2707310412	MD-1	Analyzed by: clv
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QC Ref #382170 - Total Dissolved Solid (TDS)

Analysis Date: 08/21/2007

2707310394	PC-126	Analyzed by: maria
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QC Ref #386149 - Chromium, Total, ICAP

Analysis Date: 08/03/2007

2707310411	FB-1	Analyzed by: wbh
2707310412	MD-1	Analyzed by: wbh
2707310413	MD-3	Analyzed by: wbh

QC Ref #386150 - Chromium, Total, ICAP

Analysis Date: 08/04/2007

2707310391	PC-123	Analyzed by: wbh
2707310392	PC-124	Analyzed by: wbh
2707310393	PC-125	Analyzed by: wbh
2707310394	PC-126	Analyzed by: wbh
2707310395	PC-127	Analyzed by: wbh
2707310396	PC-128	Analyzed by: wbh
2707310397	PC-129	Analyzed by: wbh



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Tronox LLC - Henderson
(continued)

2707310398	PC-130	Analyzed by: wbh
2707310399	PC-131	Analyzed by: wbh
2707310400	PC-132	Analyzed by: wbh
2707310401	M-96	Analyzed by: wbh
2707310402	M-94	Analyzed by: wbh
2707310403	PC-54	Analyzed by: wbh
2707310404	M-48	Analyzed by: wbh
2707310405	M-44	Analyzed by: wbh
2707310406	PC-37	Analyzed by: wbh
2707310407	PC-71	Analyzed by: wbh
2707310408	PC-72	Analyzed by: wbh
2707310409	PC-73	Analyzed by: wbh
2707310410	M-23	Analyzed by: wbh



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Tronox LLC - Henderson

QC Ref #379228 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07310402	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.053	MGL	106.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.047	MGL	94.0	(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)	0.50	0.48	MGL	96.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.50	0.47	MGL	94.0	(70-130)	

QC Ref #379310 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.36	7.37	UNIT		(0-20)	0.1

QC Ref #379312 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 #379600 Perchlorate

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

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 #379673 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07310400	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	9220	9020	MGL		(0-10)	2.2
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	14	MGL	140.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	101.714	100.857	MGL	0.8	(0-20)	

QC Ref #379674 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07260026	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	28	27	MGL		(0-10)	3.6
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	688	MGL	98.3	(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)	100.571	98.286	MGL	2.3	(0-20)	

QC Ref #379843 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	07310411	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS2	Perchlorate	25.0	25.9	UGL	103.6	(85-115)	
LCS3	Perchlorate	4	4.53	UGL	113.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.0	UGL	100.0	(80-120)	
MSD	Perchlorate	25.0	25.6	UGL	102.4	(80-120)	

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Tronox LLC - Henderson
(continued)

RPD_LCS	Perchlorate	106.000	103.600	UGL	2.3	(0-15)
RPD_MS	Perchlorate	100.000	102.400	UGL	1.0	(0-15)

QC Ref #379847 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08020557	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.2	UGL	108.8	(85-115)	
LCS2	Perchlorate	25.0	25.3	UGL	101.2	(85-115)	
LCS3	Perchlorate	4	4.17	UGL	104.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.3	UGL	93.2	(80-120)	
MSD	Perchlorate	25.0	24.5	UGL	98.0	(80-120)	
RPD_LCS	Perchlorate	108.800	101.200	UGL	7.2	(0-15)	
RPD_MS	Perchlorate	93.200	98.000	UGL	1.1	(0-15)	

QC Ref #379890 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08020342	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.5	UGL	102.0	(85-115)	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	(85-115)	
LCS3	Perchlorate	4	4.31	UGL	107.7	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.9	UGL	87.6	(80-120)	
MSD	Perchlorate	25.0	24.8	UGL	99.2	(80-120)	
RPD_LCS	Perchlorate	102.000	103.200	UGL	1.2	(0-15)	
RPD_MS	Perchlorate	87.600	99.200	UGL	1.1	(0-15)	

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Tronox LLC - Henderson
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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 #382170 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08180032	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7230	7220	MGL		(0-10)	0.1
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	(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)	101.714	99.714	MGL	2.0	(0-20)	

QC Ref #386149 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07260297	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.966	MGL	96.6	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.969	MGL	96.9	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.010	MGL	100.0	(50-150)	

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(continued)

MS	Chromium, Total, ICAP	1.00	0.993	MGL	99.3	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.978	MGL	97.8	(70-130)

QC Ref #386150

Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07310405	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.930	MGL	93.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.979	MGL	97.9	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.010	MGL	100.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.985	MGL	98.5	(70-130)	

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