



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
Mar 16 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 264820
Project: CLO4
PO#: Susan Crowle

This report shall not be reproduced except in full, without the written approval of the laboratory. 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 22 page[s].



BUILDING A BETTER WORLD

March 17, 2009

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

Subject: Case Narrative report 264820

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on February 5, 2009 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:

No spike recovery is available for perchlorate on one batch because the actual sample was too high compared to the spike.

Hexavalent chromium samples were received past the RCRA holding time of 24 hours.

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

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

Andrew Eaton, PhD
Project Manager



204920

MW LABS USE ONLY:

750 Royal Oaks Ave, Suite 100, Menlo Park, CA 94025
(626) 386-1100 (800) 566-5227

SAMPLES CHECKED/LOGGED IN BY: ST/JS
SAMPLE TEMP, RECEIPT AT LAB: 40

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: PROJECT JOB # / P.O.#
 KERRMCGEE-MP Quarterly Groundwater Sampling
 Sampler: Michelle Brown Schedule B
 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	DH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
522	2-4-09		M-92	RGW	X		X	X	X	X					2 Bottles
541	2-4-09		M-97	RGW	X		X	X	X	X					2 Bottles
629	2-4-09		M-31A	RGW	X		X	X	X	X					2 Bottles
642	2-4-09		M-52	RGW	X		X	X	X	X					2 Bottles
715	2-4-09		M-50	RGW	X		X	X	X	X					2 Bottles
726	2-4-09		M-34	RGW	X		X	X	X	X					2 Bottles
736	2-4-09		M-35	RGW	X		X	X	X	X					2 Bottles
749	2-4-09		M-19	RGW	X		X	X	X	X					2 Bottles
803	2-4-09		M-39	RGW	X		X	X	X	X					2 Bottles
816	2-4-09		M-68	RGW	X		X	X	X	X					2 Bottles
830	2-4-09		M-61	RGW	X		X	X	X	X					2 Bottles
859	2-4-09		M-67	RGW	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: CW = Chlorinated Waste Water, WW = Other Waste Water, SW = Storm Water

RGW = Raw Ground Water, RSW = Raw Surface Water

RELINQUISHED BY: Michelle Brown SIGNATURE
 RECEIVED BY: [Signature]
 RECEIVED BY: [Signature]
 RECEIVED BY: [Signature]

PRINT NAME: Michele Brown
 COMPANY/TITLE: Veolia Water NA for Tronox LLC - Henderson Plant
 DATE: 2-4-09
 TIME: 12:00PM



HWLABS USE ONLY:

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

SAMPLES CHECKED/LOGGED IN BY: ST/JS

SAMPLE TEMP, RECEIPT AT LAB: 40

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Quarterly Groundwater Sampling

Schedule B

KERRMCGEE-IMP

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	CRVI 7196	CL03 9056	NC3 9056	See Bottle Order	SAMPLER Comments
913	2-4-09		M-74	RGW	X		X	X	X					2 Bottles
932	2-4-09		M-73	RGW	X		X	X	X					2 Bottles
952	2-4-09		M-88	RGW	X		X	X	X					2 Bottles
876	2-4-09		I-V	RGW	X		X	X	X					2 Bottles
813	2-4-09		I-K	RGW	X		X	X	X					2 Bottles
835	2-4-09		I-J	RGW	X		X	X	X					2 Bottles
838	2-4-09		I-Z	RGW	X		X	X	X					2 Bottles
843	2-4-09		I-I	RGW	X		X	X	X					2 Bottles
1013	2-4-09		M-12A	RGW	X		X	X	X	X				2 Bottles
940	2-4-09		EB-2	RGW	X		X	X	X	X				3 Bottles
1112	2-4-09		M-10	RGW	X		X	X	X	X				3 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

Michele Brown

PRINT NAME

Michele Brown

COMPANY/TITLE

Veolia Water NA for Tronox LLC - Henderson Plant

TIME

DATE 2-4-09 12:00PM

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:

Susan Crowley MWB 2/5 10:30

SO# 46082 33899 RS 0

Sampler: Please Return this Paper with your samples

Created by GJY

Order Date 12/09/08

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

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

ATTN: Susan Crowley PHONE: 702-651-2234

ATTN: Susan Crowley PHONE: 702-651-2234

of Samples Tests

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

101 CR6010

101 CLO4, TDS, PH9040

15 CRV17196

1 250ml poly acid rinsed + 1ml HNO3 (18%)
1 500 ml poly /no preservative
1 125ml poly acid rinsed/ no preservative SHORT HOLDING TIME!!!!

Quote# GJY

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON 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

UN#

UN 2031

ActiveCode Status Date Shipped Carrier City 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#: 264820
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **02/05/09**. 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
2902050371	M-92	CLO4 CR6010	Water	04-feb-2009 05:22:00
2902050372	M-97	CLO4 CR6010	Water	04-feb-2009 05:41:00
2902050373	M-31A	CLO4 CR6010	Water	04-feb-2009 06:29:00
2902050374	M-52	CLO4 CR6010	Water	04-feb-2009 06:42:00
2902050375	M-50	CLO4 CR6010	Water	04-feb-2009 07:15:00
2902050376	M-34	CLO4 CR6010	Water	04-feb-2009 07:26:00
2902050377	M-35	CLO4 CR6010	Water	04-feb-2009 07:36:00
2902050378	M-19	CLO4 CR6010	Water	04-feb-2009 07:49:00
2902050379	M-39	CLO4 CR6010	Water	04-feb-2009 08:03:00
2902050380	M-68	CLO4 CR6010	Water	04-feb-2009 08:16:00
2902050381	M-61	CLO4 CR6010	Water	04-feb-2009 08:30:00
2902050382	M-67	CLO4 CR6010	Water	04-feb-2009 08:59:00
2902050383	M-74	CLO4 CR6010	Water	04-feb-2009 09:13:00
2902050384	M-73	CLO4 CR6010	Water	04-feb-2009 09:32:00
2902050385	M-88	CLO4 CR6010	Water	04-feb-2009 09:52:00
2902050386	I-V	CLO4 CR6010	Water	04-feb-2009 08:46:00
2902050387	I-K	CLO4 CR6010	Water	04-feb-2009 08:13:00

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 PO#: Susan Crowley PO
 Group#: 264820
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2902050388	I-J	CLO4 CR6010	Water P	04-feb-2009 08:35:00
			PH9040 T	TDS
2902050389	I-Z	CLO4 CR6010	Water P	04-feb-2009 08:38:00
			PH9040 T	TDS
2902050390	I-I	CLO4 CR6010	Water P	04-feb-2009 08:43:00
			PH9040 T	TDS
2902050393	M-12A	CLO4 CR6010	Water P	04-feb-2009 10:13:00
			PH9040 T	TDS
2902050394	EB-2	CLO4 CR6010	Water P	04-feb-2009 09:40:00
			PH9040 T	TDS
2902050395	M-10	CLO4 CR6010	Water P	04-feb-2009 11:12:00
			PH9040 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
#264820

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: *A. E. [Signature]*

Group Comments

(CLO4) MS/MSD recoveries are unavailable because they could not be calculated accurately as the native sample (2902050211) exceeded the calibration limit.

(QC Ref#: 2902050393)

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#: 2902050394)

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#: 2902050395)

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
#264820

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

Samples Received
05-feb-2009 17:22:59

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902050371	M-92				
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.8		Units	0.0010
02/26/09		Perchlorate	907		ug/l	40
02/06/09		Total Dissolved Solid (TDS)	2150	500	mg/l	10
	2902050372	M-97				
02/22/09		Chromium, Total, ICAP	0.042		mg/l	0.020
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.7		Units	0.0010
02/26/09		Perchlorate	69700		ug/l	4000
02/06/09		Total Dissolved Solid (TDS)	3170	500	mg/l	10
	2902050373	M-31A				
02/22/09		Chromium, Total, ICAP	10		mg/l	0.050
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.5		Units	0.0010
02/26/09		Perchlorate	1280000		ug/l	80000
02/06/09		Total Dissolved Solid (TDS)	8600	500	mg/l	10
	2902050374	M-52				
02/22/09		Chromium, Total, ICAP	6.1		mg/l	0.050
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.6		Units	0.0010
02/26/09		Perchlorate	795000		ug/l	80000
02/06/09		Total Dissolved Solid (TDS)	6240	500	mg/l	10
	2902050375	M-50				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#264820

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

Samples Received
05-feb-2009 17:22:59

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902050375	M-50				
02/22/09		Chromium, Total, ICAP	32		mg/l	0.20
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.5		Units	0.0010
02/26/09		Perchlorate	1170000		ug/l	80000
02/06/09		Total Dissolved Solid (TDS)	13500	500	mg/l	10
	2902050376	M-34				
02/22/09		Chromium, Total, ICAP	15		mg/l	0.10
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.5		Units	0.0010
02/26/09		Perchlorate	1520000		ug/l	80000
02/06/09		Total Dissolved Solid (TDS)	10300	500	mg/l	10
	2902050377	M-35				
02/22/09		Chromium, Total, ICAP	5.3		mg/l	0.020
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.7		Units	0.0010
02/26/09		Perchlorate	203000		ug/l	20000
02/06/09		Total Dissolved Solid (TDS)	3690	500	mg/l	10
	2902050378	M-19				
02/22/09		Chromium, Total, ICAP	0.43		mg/l	0.020
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.7		Units	0.0010
02/26/09		Perchlorate	2170		ug/l	200
02/06/09		Total Dissolved Solid (TDS)	5720	500	mg/l	10

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 #264820

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Samples Received
 05-feb-2009 17:22:59

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902050378	M-19				
	2902050379	M-39				
02/22/09	Chromium, Total, ICAP		5.0		mg/l	0.020
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		7.4		Units	0.0010
02/26/09	Perchlorate		445000		ug/l	20000
02/06/09	Total Dissolved Solid (TDS)		8040	500	mg/l	10
	2902050380	M-68				
02/22/09	Chromium, Total, ICAP		1.1		mg/l	0.020
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		7.6		Units	0.0010
02/26/09	Perchlorate		84900		ug/l	4000
02/06/09	Total Dissolved Solid (TDS)		5650	500	mg/l	10
	2902050381	M-61				
02/22/09	Chromium, Total, ICAP		1.5		mg/l	0.020
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		7.6		Units	0.0010
03/02/09	Perchlorate		110000		ug/l	20000
02/06/09	Total Dissolved Solid (TDS)		5320	500	mg/l	10
	2902050382	M-67				
02/22/09	Chromium, Total, ICAP		7.0		mg/l	0.050
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010

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Samples Received
 05-feb-2009 17:22:59

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902050382	M-67				
02/26/09	Perchlorate		487000		ug/l	40000
02/06/09	Total Dissolved Solid (TDS)		6160	500	mg/l	10
	2902050383	M-74				
02/22/09	Chromium, Total, ICAP		0.96		mg/l	0.020
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		7.7		Units	0.0010
02/26/09	Perchlorate		61800		ug/l	4000
02/06/09	Total Dissolved Solid (TDS)		7010	500	mg/l	10
	2902050384	M-73				
02/22/09	Chromium, Total, ICAP		4.9		mg/l	0.050
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		7.6		Units	0.0010
02/26/09	Perchlorate		324000		ug/l	20000
02/06/09	Total Dissolved Solid (TDS)		4780	500	mg/l	10
	2902050385	M-88				
02/22/09	Chromium, Total, ICAP		0.83		mg/l	0.020
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		7.6		Units	0.0010
02/26/09	Perchlorate		42200		ug/l	4000
02/06/09	Total Dissolved Solid (TDS)		5730	500	mg/l	10
	2902050386	I-V				
02/22/09	Chromium, Total, ICAP		22		mg/l	0.20

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Samples Received
 05-feb-2009 17:22:59

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902050386	I-V				
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.4		Units	0.0010
02/26/09		Perchlorate	1790000		ug/l	200000
02/06/09		Total Dissolved Solid (TDS)	11100	500	mg/l	10
	2902050387	I-K				
02/22/09		Chromium, Total, ICAP	1.3		mg/l	0.020
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.5		Units	0.0010
03/02/09		Perchlorate	97100		ug/l	20000
02/06/09		Total Dissolved Solid (TDS)	4990	500	mg/l	10
	2902050388	I-J				
02/22/09		Chromium, Total, ICAP	3.3		mg/l	0.020
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.7		Units	0.0010
02/26/09		Perchlorate	243000		ug/l	200000
02/06/09		Total Dissolved Solid (TDS)	6350	500	mg/l	10
	2902050389	I-Z				
02/22/09		Chromium, Total, ICAP	12		mg/l	0.10
02/17/09		Metals digestion performed.	Y		Yes/No	
02/06/09		PH (H3=past HT, not compliant)	7.6		Units	0.0010
02/26/09		Perchlorate	518000		ug/l	40000
02/06/09		Total Dissolved Solid (TDS)	8180	500	mg/l	10
	2902050390	I-I				

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902050390	I-I				
02/22/09	Chromium, Total, ICAP		22		mg/l	0.20
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
02/26/09	Perchlorate		1080000		ug/l	80000
02/06/09	Total Dissolved Solid (TDS)		12500	500	mg/l	10
	2902050393	M-12A				
02/22/09	Chromium, Total, ICAP		11		mg/l	0.10
02/05/09	Hexavalent chromium (Cr VI)		12.3		mg/l	0.50
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		8.0		Units	0.0010
02/26/09	Perchlorate		259000		ug/l	20000
02/09/09	Total Dissolved Solid (TDS)		6210	500	mg/l	10
	2902050394	EB-2				
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		6.1		Units	0.0010
02/26/09	Perchlorate		12		ug/l	4.0
	2902050395	M-10				
02/22/09	Chromium, Total, ICAP		1.0		mg/l	0.020
02/05/09	Hexavalent chromium (Cr VI)		0.006		mg/l	0.0050
02/17/09	Metals digestion performed.		Y		Yes/No	
02/06/09	PH (H3=past HT, not compliant)		7.5		Units	0.0010
02/26/09	Perchlorate		21900		ug/l	2000
02/09/09	Total Dissolved Solid (TDS)		2600	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#264820

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

Samples Received
05-feb-2009 17:22:59

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
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	2902050395	M-10				
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Laboratory
Data Report
#264820

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

Samples Received
02/05/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-92 (2902050371) Sampled on 02/04/09 05:22								
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	907	ug/l	40	10
02/17/09	02/22/09 00:00	473645	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471408	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2150	mg/l	10	1
M-97 (2902050372) Sampled on 02/04/09 05:41								
	02/26/09 09:29	474589	(EPA 314)	Perchlorate	69700	ug/l	4000	1000
02/17/09	02/22/09 00:00	473645	(ML/EPA 6010B)	Chromium, Total, ICAP	0.042	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471408	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3170	mg/l	10	1
M-31A (2902050373) Sampled on 02/04/09 06:29								
	02/26/09 09:29	474589	(EPA 314)	Perchlorate	1280000	ug/l	80000	20000
02/17/09	02/22/09 00:00	473645	(ML/EPA 6010B)	Chromium, Total, ICAP	10	mg/l	0.050	5
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471408	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8600	mg/l	10	1
M-52 (2902050374) Sampled on 02/04/09 06:42								
	02/26/09 09:29	474589	(EPA 314)	Perchlorate	795000	ug/l	80000	20000
02/17/09	02/22/09 00:00	473645	(ML/EPA 6010B)	Chromium, Total, ICAP	6.1	mg/l	0.050	5
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471408	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6240	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-50 (2902050375)				Sampled on 02/04/09 07:15				
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	1170000	ug/l	80000	20000
02/17/09	02/22/09 00:00	473645	(ML/EPA 6010B)	Chromium, Total, ICAP	32	mg/l	0.20	20
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471408	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13500	mg/l	10	1
M-34 (2902050376)				Sampled on 02/04/09 07:26				
	02/26/09 09:29	474589	(EPA 314)	Perchlorate	1520000	ug/l	80000	20000
02/17/09	02/22/09 00:00	473645	(ML/EPA 6010B)	Chromium, Total, ICAP	15	mg/l	0.10	10
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471408	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10300	mg/l	10	1
M-35 (2902050377)				Sampled on 02/04/09 07:36				
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	203000	ug/l	20000	5000
02/17/09	02/22/09 00:00	473645	(ML/EPA 6010B)	Chromium, Total, ICAP	5.3	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471408	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3690	mg/l	10	1
M-19 (2902050378)				Sampled on 02/04/09 07:49				
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	2170	ug/l	200	50
02/17/09	02/22/09 00:00	473645	(ML/EPA 6010B)	Chromium, Total, ICAP	0.43	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471408	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5720	mg/l	10	1
M-39 (2902050379)				Sampled on 02/04/09 08:03				
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	445000	ug/l	20000	5000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	5.0	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471409	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8040	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-68 (2902050380)			Sampled on 02/04/09 08:16					
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	84900	ug/l	4000	1000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	1.1	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471409	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5650	mg/l	10	1
M-61 (2902050381)			Sampled on 02/04/09 08:30					
	03/02/09 12:57	475702	(EPA 314)	Perchlorate	110000	ug/l	20000	5000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	1.5	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471409	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5320	mg/l	10	1
M-67 (2902050382)			Sampled on 02/04/09 08:59					
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	487000	ug/l	40000	10000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	7.0	mg/l	0.050	5
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471409	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6160	mg/l	10	1
M-74 (2902050383)			Sampled on 02/04/09 09:13					
	02/26/09 09:29	474589	(EPA 314)	Perchlorate	61800	ug/l	4000	1000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	0.96	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471409	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7010	mg/l	10	1
M-73 (2902050384)			Sampled on 02/04/09 09:32					
	02/26/09 09:29	474589	(EPA 314)	Perchlorate	324000	ug/l	20000	5000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	4.9	mg/l	0.050	5
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471409	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4780	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-88 (2902050385) Sampled on 02/04/09 09:52								
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	42200	ug/l	4000	1000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	0.83	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471409	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5730	mg/l	10	1
I-V (2902050386) Sampled on 02/04/09 08:46								
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	1790000	ug/l	200000	50000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	22	mg/l	0.20	20
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471409	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	11100	mg/l	10	1
I-K (2902050387) Sampled on 02/04/09 08:13								
	03/02/09 12:57	475702	(EPA 314)	Perchlorate	97100	ug/l	20000	5000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	1.3	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471409	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4990	mg/l	10	1
I-J (2902050388) Sampled on 02/04/09 08:35								
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	243000	ug/l	200000	50000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	3.3	mg/l	0.020	2
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471409	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6350	mg/l	10	1
I-Z (2902050389) Sampled on 02/04/09 08:38								
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	518000	ug/l	40000	10000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	12	mg/l	0.10	10
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471410	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8180	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-I (2902050390)		Sampled on 02/04/09 08:43						
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	1080000	ug/l	80000	20000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	22	mg/l	0.20	20
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471410	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
02/06/09	02/06/09 23:59	471551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12500	mg/l	10	1
M-12A (2902050393)		Sampled on 02/04/09 10:13						
	02/26/09 09:29	474589	(EPA 314)	Perchlorate	259000	ug/l	20000	5000
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	11	mg/l	0.10	10
	02/05/09 17:43	471344	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	12.3 (H3)	mg/l	0.50	100
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471410	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	8.0	Units	0.0010	1
02/09/09	02/09/09 13:30	472055	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6210	mg/l	10	1
EB-2 (2902050394)		Sampled on 02/04/09 09:40						
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	12	ug/l	4.0	1
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/05/09 17:43	471344	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND (H3)	mg/l	0.0050	1
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471410	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.1	Units	0.0010	1
02/09/09	02/09/09 13:30	472055	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1
M-10 (2902050395)		Sampled on 02/04/09 11:12						
	02/26/09 00:03	474501	(EPA 314)	Perchlorate	21900	ug/l	2000	500
02/17/09	02/22/09 00:00	473646	(ML/EPA 6010B)	Chromium, Total, ICAP	1.0	mg/l	0.020	2
	02/05/09 17:43	471344	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.006 (H3)	mg/l	0.0050	1
	02/17/09 15:20		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	02/06/09 00:00	471410	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
02/09/09	02/09/09 13:30	472055	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2600	mg/l	10	1



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QC Summary
#264820

Tronox LLC - Henderson

QC Ref #0

- Metals Turbidity

Analysis Date: 02/06/2009

2902050371	M-92	Analyzed by: jrf
2902050371	M-92	Analyzed by: jrf
2902050372	M-97	Analyzed by: jrf
2902050372	M-97	Analyzed by: jrf
2902050373	M-31A	Analyzed by: jrf
2902050373	M-31A	Analyzed by: jrf
2902050374	M-52	Analyzed by: jrf
2902050374	M-52	Analyzed by: jrf
2902050375	M-50	Analyzed by: jrf
2902050375	M-50	Analyzed by: jrf
2902050376	M-34	Analyzed by: jrf
2902050376	M-34	Analyzed by: jrf
2902050377	M-35	Analyzed by: jrf
2902050377	M-35	Analyzed by: jrf
2902050378	M-19	Analyzed by: jrf
2902050378	M-19	Analyzed by: jrf
2902050379	M-39	Analyzed by: jrf
2902050379	M-39	Analyzed by: jrf
2902050380	M-68	Analyzed by: jrf
2902050380	M-68	Analyzed by: jrf
2902050381	M-61	Analyzed by: jrf
2902050381	M-61	Analyzed by: jrf
2902050382	M-67	Analyzed by: jrf
2902050382	M-67	Analyzed by: jrf
2902050383	M-74	Analyzed by: jrf
2902050383	M-74	Analyzed by: jrf
2902050384	M-73	Analyzed by: jrf
2902050384	M-73	Analyzed by: jrf
2902050385	M-88	Analyzed by: jrf
2902050385	M-88	Analyzed by: jrf
2902050386	I-V	Analyzed by: jrf
2902050386	I-V	Analyzed by: jrf
2902050387	I-K	Analyzed by: jrf
2902050387	I-K	Analyzed by: jrf
2902050388	I-J	Analyzed by: jrf
2902050388	I-J	Analyzed by: jrf
2902050389	I-Z	Analyzed by: jrf
2902050389	I-Z	Analyzed by: jrf
2902050390	I-I	Analyzed by: jrf
2902050390	I-I	Analyzed by: jrf
2902050393	M-12A	Analyzed by: jrf
2902050393	M-12A	Analyzed by: jrf
2902050394	EB-2	Analyzed by: jrf



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Laboratory
QC Summary
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Tronox LLC - Henderson
(continued)

2902050394	EB-2	Analyzed by: jrf
2902050395	M-10	Analyzed by: jrf
2902050395	M-10	Analyzed by: jrf

QC Ref #471344 - Hexavalent chromium (Cr VI) Analysis Date: 02/05/2009

2902050393	M-12A	Analyzed by: azs
2902050394	EB-2	Analyzed by: azs
2902050395	M-10	Analyzed by: azs

QC Ref #471408 - PH (H3=past HT, not compliant) Analysis Date: 02/06/2009

2902050371	M-92	Analyzed by: nem
2902050372	M-97	Analyzed by: nem
2902050373	M-31A	Analyzed by: nem
2902050374	M-52	Analyzed by: nem
2902050375	M-50	Analyzed by: nem
2902050376	M-34	Analyzed by: nem
2902050377	M-35	Analyzed by: nem
2902050378	M-19	Analyzed by: nem

QC Ref #471409 - PH (H3=past HT, not compliant) Analysis Date: 02/06/2009

2902050379	M-39	Analyzed by: nem
2902050380	M-68	Analyzed by: nem
2902050381	M-61	Analyzed by: nem
2902050382	M-67	Analyzed by: nem
2902050383	M-74	Analyzed by: nem
2902050384	M-73	Analyzed by: nem
2902050385	M-88	Analyzed by: nem
2902050386	I-V	Analyzed by: nem
2902050387	I-K	Analyzed by: nem
2902050388	I-J	Analyzed by: nem

QC Ref #471410 - PH (H3=past HT, not compliant) Analysis Date: 02/06/2009

2902050389	I-Z	Analyzed by: nem
2902050390	I-I	Analyzed by: nem
2902050393	M-12A	Analyzed by: nem
2902050394	EB-2	Analyzed by: nem



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Tronox LLC - Henderson
(continued)

2902050395

M-10

Analyzed by: nem

QC Ref #471551 - Total Dissolved Solid (TDS)

Analysis Date: 02/06/2009

2902050371
2902050372
2902050373
2902050374
2902050375
2902050376
2902050377
2902050378
2902050379
2902050380
2902050381
2902050382
2902050383
2902050384
2902050385
2902050386
2902050387
2902050388
2902050389
2902050390

M-92
M-97
M-31A
M-52
M-50
M-34
M-35
M-19
M-39
M-68
M-61
M-67
M-74
M-73
M-88
I-V
I-K
I-J
I-Z
I-I

Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
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Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd
Analyzed by: axd

QC Ref #472055 - Total Dissolved Solid (TDS)

Analysis Date: 02/09/2009

2902050393
2902050394
2902050395

M-12A
EB-2
M-10

Analyzed by: wjp
Analyzed by: wjp
Analyzed by: wjp

QC Ref #473645 - Chromium, Total, ICAP

Analysis Date: 02/22/2009

2902050371
2902050372
2902050373
2902050374
2902050375
2902050376
2902050377
2902050378

M-92
M-97
M-31A
M-52
M-50
M-34
M-35
M-19

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



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Tronox LLC - Henderson
(continued)

QC Ref #473646 - Chromium, Total, ICAP

Analysis Date: 02/22/2009

2902050379	M-39	Analyzed by: csk
2902050380	M-68	Analyzed by: csk
2902050381	M-61	Analyzed by: csk
2902050382	M-67	Analyzed by: csk
2902050383	M-74	Analyzed by: csk
2902050384	M-73	Analyzed by: csk
2902050385	M-88	Analyzed by: csk
2902050386	I-V	Analyzed by: csk
2902050387	I-K	Analyzed by: csk
2902050388	I-J	Analyzed by: csk
2902050389	I-Z	Analyzed by: csk
2902050390	I-I	Analyzed by: csk
2902050393	M-12A	Analyzed by: csk
2902050394	EB-2	Analyzed by: csk
2902050395	M-10	Analyzed by: csk

QC Ref #474501 - Perchlorate

Analysis Date: 02/26/2009

2902050371	M-92	Analyzed by: tlh
2902050375	M-50	Analyzed by: tlh
2902050377	M-35	Analyzed by: tlh
2902050378	M-19	Analyzed by: tlh
2902050379	M-39	Analyzed by: tlh
2902050380	M-68	Analyzed by: tlh
2902050382	M-67	Analyzed by: tlh
2902050385	M-88	Analyzed by: tlh
2902050386	I-V	Analyzed by: tlh
2902050388	I-J	Analyzed by: tlh
2902050389	I-Z	Analyzed by: tlh
2902050390	I-I	Analyzed by: tlh
2902050394	EB-2	Analyzed by: tlh
2902050395	M-10	Analyzed by: tlh



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Tronox LLC - Henderson
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QC Ref #474589 - Perchlorate

Analysis Date: 02/26/2009

2902050372	M-97	Analyzed by: tlh
2902050373	M-31A	Analyzed by: tlh
2902050374	M-52	Analyzed by: tlh
2902050376	M-34	Analyzed by: tlh
2902050383	M-74	Analyzed by: tlh
2902050384	M-73	Analyzed by: tlh
2902050393	M-12A	Analyzed by: tlh

QC Ref #475702 - Perchlorate

Analysis Date: 03/02/2009

2902050381	M-61	Analyzed by: tlh
2902050387	I-K	Analyzed by: tlh



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Tronox LLC - Henderson

QC Ref #471344 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	02050394	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.055	MGL	110.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.056	MGL	112.0	(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	0.054	MGL	108.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	(70-130)	

QC Ref #471408 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.66	7.64	UNIT		(0-20)	0.3

QC Ref #471409 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.67	7.67	UNIT		(0-20)	0.0

QC Ref #471410 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	5.97	5.98	UNIT		(0-20)	0.2

QC Ref #471551 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	02050371	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	2120	2150	MGL		(0-10)	1.4
LCS1	Total Dissolved Solid (TDS)	175	168	MGL	96.0	(80-114)	

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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LCS2	Total Dissolved Solid (TDS)	700	692	MGL	98.9	(80-114)
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL		
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11.0	MGL	110.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	96.000	98.857	MGL	2.9	(0-20)

QC Ref #472055 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	02050164	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	146	142	MGL		(0-10)	2.8
LCS1	Total Dissolved Solid (TDS)	175	154	MGL	88.0	(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	7.0	MGL	70.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	98.000	98.571	MGL	11.3	(0-20)	

QC Ref #473645 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	02050204	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0113	MGL	113.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.990	MGL	99.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.982	MGL	98.2	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	

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QC Ref #473646 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	02050394	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.982	MGL	98.2	(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	0.0106	MGL	106.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.927	MGL	92.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.923	MGL	92.3	(70-130)	

QC Ref #474501 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	02050211	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.7	UGL	94.8	(85-115)	
LCS2	Perchlorate	25.0	23.9	UGL	95.6	(85-115)	
LCS3	Perchlorate	4	3.80	UGL	95.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
RPD_LCS	Perchlorate	94.800	95.600	UGL	0.8	(0-15)	

QC Ref #474589 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	2902050372	UGL		(0-0)	
LCS1	Perchlorate	25.0	22.8	UGL	91.2	(85-115)	
LCS2	Perchlorate	25.0	23.1	UGL	92.4	(85-115)	
LCS3	Perchlorate	4	3.27	UGL	81.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	

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MSD	Perchlorate	25.0	27.1	UGL	108.4	(80-120)
RPD_LCS	Perchlorate	91.200	92.400	UGL	1.3	(0-15)
RPD_MS	Perchlorate	99.600	108.400	UGL	1.1	(0-15)

QC Ref #475702

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	02050211	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.9	UGL	95.6	(85-115)	
LCS2	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS3	Perchlorate	4	4.11	UGL	102.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.7	UGL	90.8	(80-120)	
MSD	Perchlorate	25.0	21.0	UGL	84.0	(80-120)	
RPD_LCS	Perchlorate	95.600	100.800	UGL	5.3	(0-15)	
RPD_MS	Perchlorate	90.800	84.000	UGL	0.9	(0-15)	

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