



MWH Laboratories

A Division of MWH Americas, Inc.

750 Foyal Oaks Drive, Suite 100
Monrovia, California 91018-3629
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
Sep 22 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 250139
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 18 page[s].



BUILDING A BETTER WORLD

September 22, 2008

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

Subject: Case Narrative report 250139

Enclosed is MWH Laboratories Report 250139

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 8, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:

For the MWH Laboratories data the following issues were observed:

Hexavalent chromium was received and analyzed past the RCRA 24 hour holding time.

One sample, MD-2 was re-analyzed past hold time for TDS, because it appeared that the wrong sample was initially pulled for TDS analysis.

Sincerely,

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

Andrew Eaton, PhD
Project Manager



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

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

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: 5 FCS

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

250139

TO BE COMPLETED BY SAMPLER: **KERRMCGEE-MP** PROJECT JOB # / P.O.# **Quantity Groundwater Sampling** (check for yes)

COMPANY / PROJECT NAME: **Susan Crowley** PROJECT JOB # / P.O.# **Tronox LLC - Henderson Plant**
Sampler: **Michele Brown** PO Box 55
Henderson, NV 89009
Schedule B

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	CR 6010	DH 9040	TDS	CL04	CRVI 7196	CL03 9056	NO3 9056	See Bottle Order	SAMPLER Comments
415	8-7-08		M-87	RGW	X		X	X	X	X					2 Bottles
515	8-7-08		M-70	RGW	X		X	X	X	X					2 Bottles
530	8-7-08		M-71	RGW	X		X	X	X	X					2 Bottles
550	8-7-08		M-72	RGW	X		X	X	X	X					2 Bottles
610	8-7-08		M-38	RGW	X		X	X	X	X					2 Bottles
601	8-7-08		M-22A	RGW	X		X	X	X	X					2 Bottles
645	8-7-08		M-89	RGW	X		X	X	X	X					2 Bottles
700	8-7-08		M-17A	RGW	X		X	X	X	X					2 Bottles
720	8-7-08		M-115	RGW	X		X	X	X	X					2 Bottles
735	8-7-08		M-14A	RGW	X		X	X	X	X	X				2 Bottles
823	8-7-08		M-36	RGW	X		X	X	X	X	X				3 Bottles
805	8-7-08		M-84	RGW	X		X	X	X	X	X				3 Bottles

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

Reported by Weight: **SO** = Soil **SL** = Sludge

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

COMPANY/TITLE: Veolia Water NA for Tronox LLC - Henderson Plant

DATE: 8-7-08 TIME: 12:00PM

RECEIVED BY: [Signature]

RECEIVED BY: [Signature]

RECEIVED BY: [Signature]



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(626) 386-1100 (800) 566-5227

M/LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: 5 Fc/SS

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Quarterly Groundwater Sampling

Schedule B

KERRMC3EE-MP

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	CL04	CRVI 7196	CL03 9056	NO3 9056	See Bottle Order	SAMPLER Comments
030	8-7-08		M-10	RGW	X		X	X	X	X	X				Bottles
	8-7-08		MD-2	RGW	X		X	X	X	X	X				Bottles
	8-7-08		M-100	RGW	X		X	X	X	X	X				Bottles
				RGW	X		X	X	X	X	X				Bottles
				RGW	X		X	X	X	X	X				Bottles
				RGW	X		X	X	X	X	X				Bottles
				RGW	X		X	X	X	X	X				Bottles
				RGW	X		X	X	X	X	X				Bottles
				RGW	X		X	X	X	X	X				Bottles
				RGW	X		X	X	X	X	X				Bottles
				RGW	X		X	X	X	X	X				Bottles
				RGW	X		X	X	X	X	X				Bottles
				RGW	X		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

SO = Soil

SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY: Michele Brown

RECEIVED BY:

RELINQUISHED BY: [Signature]

RECEIVED BY:

Veolia Water NA for Tronox LLC - Henderson Plant

8-7-08 12:00PM

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#: 250139
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **08/08/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808090007	M-87	CLO4 CR6010	Water P PH9040	07-aug-2008 04:15:00 TDS
2808090008	M-70	CLO4 CR6010	Water P PH9040	07-aug-2008 05:15:00 TDS
2808090009	M-71	CLO4 CR6010	Water P PH9040	07-aug-2008 05:30:00 TDS
2808090010	M-72	CLO4 CR6010	Water P PH9040	07-aug-2008 05:50:00 TDS
2808090011	M-38	CLO4 CR6010	Water P PH9040	07-aug-2008 06:18:00 TDS
2808090012	M-22A	CLO4 CR6010	Water P PH9040	07-aug-2008 06:01:00 TDS
2808090013	M-89	CLO4 CR6010	Water P PH9040	07-aug-2008 06:45:00 TDS
2808090014	M-17A	CLO4 CR6010	Water P PH9040	07-aug-2008 07:00:00 TDS
2808090015	M-115	CLO4 CR6010	Water P PH9040	07-aug-2008 07:20:00 TDS
2808090016	M-14A	CLO4 CR6010	Water P PH9040	07-aug-2008 07:25:00 TDS
2808090017	M-36	CLO4 CR6010	Water CRVI7196 P PH9040	07-aug-2008 08:23:00 TDS
2808090018	M-84	CLO4 CR6010	Water CRVI7196 P PH9040	07-aug-2008 08:05:00 TDS
2808090019	M-10	CLO4 CR6010	Water CRVI7196 P PH9040	07-aug-2008 09:03:00 TDS
2808090020	MD-2	CLO4 CR6010	Water CRVI7196 P PH9040	07-aug-2008 00:00:00 TDS
2808090021	M-100	CLO4 CR6010	Water CRVI7196 P PH9040	07-aug-2008 07:46:00 TDS

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Customer Code: KERRMCGEE-MP
 PO#: Susan Crowley PO
 Group#: 250139
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808090021	M-100 (con'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
#250139

Client Specific Comments

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

Signature: _____

(QC Ref#: 2808090020)

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

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



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Laboratory
Hits Report
#250139

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

Samples Received
08-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808090007	M-87				
08/28/08		Chromium, Total, ICAP	2.8		mg/l	0.020
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.7		Units	0.0010
08/21/08		Perchlorate	285000		ug/l	20000
08/13/08		Total Dissolved Solid (TDS)	3260	500	mg/l	10
	2808090008	M-70				
08/28/08		Chromium, Total, ICAP	1.2		mg/l	0.020
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.8		Units	0.0010
08/21/08		Perchlorate	112000		ug/l	8000
08/13/08		Total Dissolved Solid (TDS)	2800	500	mg/l	10
	2808090009	M-71				
08/28/08		Chromium, Total, ICAP	4.7		mg/l	0.020
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/20/08		Perchlorate	608000		ug/l	40000
08/13/08		Total Dissolved Solid (TDS)	6410	500	mg/l	10
	2808090010	M-72				
08/28/08		Chromium, Total, ICAP	4.0		mg/l	0.020
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/20/08		Perchlorate	865000		ug/l	80000
08/13/08		Total Dissolved Solid (TDS)	8800	500	mg/l	10



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Laboratory
Hits Report
#250139

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

Samples Received
08-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808090011	M-38				
	2808090011	M-38				
08/28/08			Chromium, Total, ICAP	29	mg/l	0.10
08/25/08			Metals digestion performed.	Y	Yes/No	
08/08/08			PH (H3=past HT, not compliant)	7.4	Units	0.0010
08/21/08			Perchlorate	1140000	ug/l	80000
08/13/08			Total Dissolved Solid (TDS)	13500	mg/l	10
	2808090012	M-22A				
08/28/08			Chromium, Total, ICAP	35	mg/l	0.10
08/25/08			Metals digestion performed.	Y	Yes/No	
08/08/08			PH (H3=past HT, not compliant)	7.4	Units	0.0010
08/21/08			Perchlorate	1810000	ug/l	80000
08/13/08			Total Dissolved Solid (TDS)	15200	mg/l	10
	2808090013	M-89				
08/28/08			Chromium, Total, ICAP	27	mg/l	0.10
08/25/08			Metals digestion performed.	Y	Yes/No	
08/08/08			PH (H3=past HT, not compliant)	7.3	Units	0.0010
08/21/08			Perchlorate	875000	ug/l	40000
08/13/08			Total Dissolved Solid (TDS)	13000	mg/l	10
	2808090014	M-17A				
08/28/08			Chromium, Total, ICAP	31	mg/l	0.10
08/25/08			Metals digestion performed.	Y	Yes/No	
08/08/08			PH (H3=past HT, not compliant)	7.5	Units	0.0010



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Laboratory
Hits Report
#250139

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

Samples Received
08-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808090014	M-17A				
08/21/08	Perchlorate		857000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		13600	500	mg/l	10
	2808090015	M-115				
08/28/08	Chromium, Total, ICAP		0.026		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/08/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/21/08	Perchlorate		27800		ug/l	2000
08/13/08	Total Dissolved Solid (TDS)		3030	500	mg/l	10
	2808090016	M-14A				
08/28/08	Chromium, Total, ICAP		0.057		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/08/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/21/08	Perchlorate		27900		ug/l	2000
08/13/08	Total Dissolved Solid (TDS)		3230	500	mg/l	10
	2808090017	M-36				
08/28/08	Chromium, Total, ICAP		33		mg/l	0.10
08/08/08	Hexavalent chromium (Cr VI)		37.4		mg/l	0.50
08/25/08	Metals digestion performed.		Y		Yes/No	
08/08/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/21/08	Perchlorate		1590000		ug/l	80000
08/13/08	Total Dissolved Solid (TDS)		13400	500	mg/l	10
	2808090018	M-84				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#250139

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

Samples Received
08-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808090018	M-84				
08/28/08		Chromium, Total, ICAP	0.065		mg/l	0.010
08/08/08		Hexavalent chromium (Cr VI)	0.065		mg/l	0.0050
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.9		Units	0.0010
08/21/08		Perchlorate	9360	500	ug/l	800
08/13/08		Total Dissolved Solid (TDS)	1210		mg/l	10
	2808090019	M-10				
08/28/08		Chromium, Total, ICAP	0.75		mg/l	0.020
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/21/08		Perchlorate	27500	500	ug/l	4000
08/13/08		Total Dissolved Solid (TDS)	3070		mg/l	10
	2808090020	MD-2				
08/28/08		Chromium, Total, ICAP	0.067		mg/l	0.010
08/08/08		Hexavalent chromium (Cr VI)	0.070		mg/l	0.0050
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.8		Units	0.0010
08/21/08		Perchlorate	9260	500	ug/l	4000
09/19/08		Total Dissolved Solid (TDS)	958		mg/l	10
	2808090021	M-100				
08/28/08		Chromium, Total, ICAP	0.28		mg/l	0.020
08/08/08		Hexavalent chromium (Cr VI)	0.277		mg/l	0.0050
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.8		Units	0.0010

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#250139

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

Samples Received
08-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808090021	M-100				
08/21/08	Perchlorate		45900		ug/l	2000
08/13/08	Total Dissolved Solid (TDS)		1860	500	mg/l	10



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Data Report
#250139

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

Samples Received
08/08/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-87 (2808090007)				Sampled on 08/07/08 04:15				
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	285000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	2.8	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3260	mg/l	10	1
M-70 (2808090008)				Sampled on 08/07/08 05:15				
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	112000	ug/l	8000	2000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	1.2	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2800	mg/l	10	1
M-71 (2808090009)				Sampled on 08/07/08 05:30				
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	608000	ug/l	40000	10000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	4.7	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6410	mg/l	10	1
M-72 (2808090010)				Sampled on 08/07/08 05:50				
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	865000	ug/l	80000	20000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	4.0	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8800	mg/l	10	1



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Laboratory
Data Report
#250139

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-38 (2808090011)					Sampled on 08/07/08 06:18			
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	1140000	ug/l	80000	20000
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	29	mg/l	0.10	10
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
	08/13/08 08/13/08 16:30	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13500	mg/l	10	1
M-22A (2808090012)					Sampled on 08/07/08 06:01			
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	1810000	ug/l	80000	20000
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	35	mg/l	0.10	10
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
	08/13/08 08/13/08 16:30	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	15200	mg/l	10	1
M-89 (2808090013)					Sampled on 08/07/08 06:45			
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	875000	ug/l	40000	10000
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	27	mg/l	0.10	10
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
	08/13/08 08/13/08 16:30	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13000	mg/l	10	1
M-17A (2808090014)					Sampled on 08/07/08 07:00			
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	857000	ug/l	40000	10000
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	31	mg/l	0.10	10
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
	08/13/08 08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13600	mg/l	10	1
M-115 (2808090015)					Sampled on 08/07/08 07:20			
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	27800	ug/l	2000	500
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.026	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
	08/13/08 08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3030	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-14A (2808090016)					Sampled on 08/07/08 07:25			
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	27900	ug/l	2000	500
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.057	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3230	mg/l	10	1
M-36 (2808090017)					Sampled on 08/07/08 08:23			
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	1590000	ug/l	80000	20000
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	33	mg/l	0.10	10
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	37.4	mg/l	0.50	100
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13400	mg/l	10	1
M-84 (2808090018)					Sampled on 08/07/08 08:05			
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	9360	ug/l	800	200
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.065	mg/l	0.010	1
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.065	mg/l	0.0050	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1210	mg/l	10	1
M-10 (2808090019)					Sampled on 08/07/08 09:03			
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	27500	ug/l	4000	1000
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.75	mg/l	0.020	2
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.0050	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3070	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MD-2 (2808090020)					Sampled on 08/07/08 00:00			
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	9260	ug/l	4000	1000
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.067	mg/l	0.010	1
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.070	mg/l	0.0050	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
09/19/08	09/19/08 16:55	451827	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	958(HA)	mg/l	10	1
M-100 (2808090021)					Sampled on 08/07/08 07:46			
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	45900	ug/l	2000	500
	08/25/08 08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.28	mg/l	0.020	2
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.277	mg/l	0.0050	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1860	mg/l	10	1



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Tronox LLC - Henderson
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QC Ref #443259 - PH (H3=past HT, not compliant) Analysis Date: 08/08/2008

2808090007	M-87	Analyzed by: yvette
2808090008	M-70	Analyzed by: yvette
2808090009	M-71	Analyzed by: yvette
2808090010	M-72	Analyzed by: yvette
2808090011	M-38	Analyzed by: yvette
2808090012	M-22A	Analyzed by: yvette
2808090013	M-89	Analyzed by: yvette
2808090014	M-17A	Analyzed by: yvette
2808090015	M-115	Analyzed by: yvette
2808090016	M-14A	Analyzed by: yvette
2808090017	M-36	Analyzed by: yvette
2808090018	M-84	Analyzed by: yvette
2808090019	M-10	Analyzed by: yvette
2808090020	MD-2	Analyzed by: yvette
2808090021	M-100	Analyzed by: yvette

QC Ref #445759 - Total Dissolved Solid (TDS) Analysis Date: 08/13/2008

2808090014	M-17A	Analyzed by: axa
2808090015	M-115	Analyzed by: axa
2808090016	M-14A	Analyzed by: axa
2808090017	M-36	Analyzed by: axa
2808090018	M-84	Analyzed by: axa
2808090019	M-10	Analyzed by: axa
2808090021	M-100	Analyzed by: axa

QC Ref #446058 - Perchlorate Analysis Date: 08/20/2008

2808090009	M-71	Analyzed by: ser
2808090010	M-72	Analyzed by: ser

QC Ref #446319 - Perchlorate Analysis Date: 08/21/2008

2808090012	M-22A	Analyzed by: ser
2808090013	M-89	Analyzed by: ser
2808090014	M-17A	Analyzed by: ser
2808090015	M-115	Analyzed by: ser



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Tronox LLC - Henderson
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2808090016	M-14A	Analyzed by: ser
2808090017	M-36	Analyzed by: ser
2808090018	M-84	Analyzed by: ser
2808090019	M-10	Analyzed by: ser
2808090020	MD-2	Analyzed by: ser
2808090021	M-100	Analyzed by: ser

QC Ref #446320 - Perchlorate

Analysis Date: 08/21/2008

2808090007	M-87	Analyzed by: ser
2808090008	M-70	Analyzed by: ser
2808090011	M-38	Analyzed by: ser

QC Ref #447554 - Total Dissolved Solid (TDS)

Analysis Date: 08/13/2008

2808090007	M-87	Analyzed by: axa
2808090008	M-70	Analyzed by: axa
2808090009	M-71	Analyzed by: axa
2808090010	M-72	Analyzed by: axa
2808090011	M-38	Analyzed by: axa
2808090012	M-22A	Analyzed by: axa
2808090013	M-89	Analyzed by: axa

QC Ref #447768 - Chromium, Total, ICAP

Analysis Date: 08/28/2008

2808090007	M-87	Analyzed by: csk
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QC Ref #447770 - Chromium, Total, ICAP

Analysis Date: 08/28/2008

2808090008	M-70	Analyzed by: csk
2808090009	M-71	Analyzed by: csk
2808090010	M-72	Analyzed by: csk
2808090011	M-38	Analyzed by: csk
2808090012	M-22A	Analyzed by: csk
2808090013	M-89	Analyzed by: csk
2808090014	M-17A	Analyzed by: csk
2808090015	M-115	Analyzed by: csk
2808090016	M-14A	Analyzed by: csk
2808090017	M-36	Analyzed by: csk
2808090018	M-84	Analyzed by: csk



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Tronox LLC - Henderson
(continued)

2808090019
2808090020
2808090021

M-10
MD-2
M-100

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

QC Ref #451827 - Total Dissolved Solid (TDS)

Analysis Date: 09/19/2008

2808090020

MD-2

Analyzed by: anh



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Tronox LLC - Henderson

QC Ref #443206 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
		Lab # 28	08090018	MGL		(0-0)	
AASPKSMP	Spiked sample	0.050	0.052	MGL	104.0	(85-115)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MBLK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MRL_CHK	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	
MS	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)						

QC Ref #443259 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.81	7.79	UNIT		(0-20)	0.3

QC Ref #445759 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
		Lab # 28	08090014	MGL		(0-0)	
AASPKSMP	Spiked sample	13700	13600	MGL		(0-10)	0.7
DUP	Total Dissolved Solid (TDS)	175	168	MGL	96.0	(80-114)	
LCS1	Total Dissolved Solid (TDS)	700	700	MGL	100.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	ND	<10	MGL			
MBLK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
MRL_CHK	Total Dissolved Solid (TDS)	96.000	100.000	MGL	4.1	(0-20)	
RPD_LCS	Total Dissolved Solid (TDS)						

QC Ref #446058 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
		Lab # 28	08080266	UGL		(0-0)	
MS	Spiked sample	25.0	26.1	UGL	104.4	(85-115)	
LCS1	Perchlorate	25.0	27.1	UGL	108.4	(85-115)	
LCS2	Perchlorate						

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Tronox LLC - Henderson (continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS3	Perchlorate	4	4.42	UGL	110.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	26.5	UGL	106.0	(80-120)	
RPD_LCS	Perchlorate	104.400	108.400	UGL	3.8	(0-15)	
RPD_MS	Perchlorate	100.800	106.000	UGL	1.1	(0-15)	

QC Ref #446319

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
QC		Lab # 28	08090076	UGL		(0-0)	
MS	Spiked sample	25.0	26.7	UGL	106.8	(85-115)	
LCS1	Perchlorate	25.0	26.9	UGL	107.6	(85-115)	
LCS2	Perchlorate	4	4.33	UGL	108.2	(75-125)	
LCS3	Perchlorate	ND	<4.0	UGL			
MBLK	Perchlorate	25.0	24.2	UGL	96.8	(80-120)	
MS	Perchlorate	25.0	24.2	UGL	96.8	(80-120)	
MSD	Perchlorate	106.800	107.600	UGL	0.7	(0-15)	
RPD_LCS	Perchlorate	96.800	96.800	UGL	1.0	(0-15)	
RPD_MS	Perchlorate						

QC Ref #446320

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
QC		Lab # 28	08090086	UGL		(0-0)	
MS	Spiked sample	25.0	27.5	UGL	110.0	(85-115)	
LCS1	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS2	Perchlorate	4	4.40	UGL	110.0	(75-125)	
LCS3	Perchlorate	ND	<4.0	UGL			
MBLK	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
MS	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
MSD	Perchlorate	110.000	105.600	UGL	4.1	(0-15)	
RPD_LCS	Perchlorate	94.000	94.000	UGL	1.0	(0-15)	
RPD_MS	Perchlorate						

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Tronox LLC - Henderson
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QC Ref #447554 Total Dissolved Solid (TDS)

QC	Analyte	Spiked Lab # 28	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	08080464	3240	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	3260	156	MGL	89.1	(80-114)	0.6
LCS1	Total Dissolved Solid (TDS)	175	668	MGL	95.4	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	<10	MGL			
MBLK	Total Dissolved Solid (TDS)	ND	8	MGL	80.0	(50-150)	
MRL_CHK	Total Dissolved Solid (TDS)	10.0	95.429	MGL	6.8	(0-20)	
RPD_LCS	Total Dissolved Solid (TDS)	89.143					

QC Ref #447768 Chromium, Total, ICAP

QC	Analyte	Spiked Lab # 28	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	08080474	0.967	MGL	96.7	(85-115)	
LCS1	Chromium, Total, ICAP	1.00	0.962	MGL	96.2	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	<0.010	MGL			
MBLK	Chromium, Total, ICAP	ND	0.0104	MGL	104.0	(50-150)	
MRL_CHK	Chromium, Total, ICAP	0.010	0.965	MGL	96.5	(70-130)	
MS	Chromium, Total, ICAP	1.00	0.916	MGL	91.6	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.954	MGL	95.4	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.914	MGL	91.4	(70-130)	
MSD2	Chromium, Total, ICAP	1.00					

QC Ref #447770 Chromium, Total, ICAP

QC	Analyte	Spiked Lab # 28	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	08090018	0.972	MGL	97.2	(85-115)	
LCS1	Chromium, Total, ICAP	1.00	0.960	MGL	96.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	<0.010	MGL			
MBLK	Chromium, Total, ICAP	ND	0.0121	MGL	121.0	(50-150)	
MRL_CHK	Chromium, Total, ICAP	0.010					

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MS	Chromium, Total, ICAP	1.00	0.949	MGL	94.9	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.971	MGL	97.1	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.955	MGL	95.5	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.974	MGL	97.4	(70-130)

QC Ref #451827 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09190130	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	184	172	MGL	86.9	(0-10)	6.7
LCS1	Total Dissolved Solid (TDS)	175	152	MGL	99.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL		(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	86.857	99.143	MGL	13.2	(0-20)	

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