



MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3829
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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

DATE OF ISSUE
Jun 15 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 271048
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 10 page[s].



BUILDING A BETTER WORLD

June 16, 2009

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

Subject: Case Narrative report 271048

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on May 21, 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:

Report revised: Correction on QC for CR6010.

TDS – (2905210062) Initial analysis within hold time. Reanalysis done past hold time.

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,

Andrew Eaton, PhD
Project Manager

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#: 271048
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on 05/21/09. 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
2905210058	PC-64	CLO4 CR6010	Water	20-may-2009 10:27:00
			P T	TDS
2905210060	FB052009	CLO4 CR6010	Water	20-may-2009 10:30:00
			P T	TDS
2905210061	EB052009	CLO4 CR6010	Water	20-may-2009 13:00:00
			P T	TDS
2905210062	M-65	CLO4 CR6010	Water	20-may-2009 14:27:00
			P T	TDS
2905210063	M-134	CLO4 CR6010	Water	20-may-2009 15:08:00
			P T	TDS
2905210064	DUPLICATE	CLO4 CR6010	Water	20-may-2009 00:00:00
			P T	TDS

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

12

271049



MONTGOMERY WATSON LABORATORIES CHAIN OF CUSTODY RECORD

750 Royal Oaks Dr, Suite 100, Monrovia, CA 91016-3629
 (626) 568-6400 (800) 566-5227

MW LABS USE ONLY:

LOG IN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS/JS

SAMPLE TEMP, RECEIPT AT LAB: 6

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES										
Tronox LLC Sampler		Annual Groundwater Sampling - April / May		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)										
Tronox LLC PO Box 55 Henderson, NV 89009		(702) 651-2234												
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	pH	Specific Conductance	Total Chromium	Hexavalent Chromium	Perchlorate, ClO ₄	TDS	SAMPLER COMMENTS	
1027	5-20-09	PC-64		RGW	X			X	X	X	X	X		
1030	5-20-09	FB052009		Raw	X			X	X	X	X	X		
1300	5-20-09	EB052009		Raw	X			X	X	X	X	X		
1427	5-20-09	M-65		Raw	X			X	X	X	X	X		
1500	5-20-09	M-134		Raw	X			X	X	X	X	X		
		Duplicate		Raw	X			X	X	X	X	X		

* 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
 RSW = Raw Surface Water
 CWW = Chlorinated Waste Water
 WW = Other Waste Water
 SW = Storm Water

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
	Dave Dams	GES / Genlorst	5-20-09	11:30
	Joe Sanohe	MWA	5-21-09	10:30



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

Bottle Order for Ironox LLC- Henderson Standing

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

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job# GWREMIATION
Blanket PO

Period

SO# 47684 12374 **RS** **Sampler: Please Return this Paper with your samples**

Created by GJY

Order Date 04/16/09

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

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

Send Report to

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

Billing Address

Ironox LLC
Attn: Accounts Payable
P.O. BOX 268859
Oklahoma City, OK 73126-8859

ATTN: Susan Crowley
PHONE: 702-651-2234

ATTN: Susan Crowley
PHONE: 702-651-2234

ATTN: Susan Crowley
PHONE: 702-651-2234

Quote#

GJY

FAX: 702-651-2310

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
41	CLO4, TDS	1 250 ml poly /no preservative		These sites are monthly till further notice.
-	SHEET OF LABELS WITH WELL-IDS	see comments section		Shipping - please send bottles in cooler rather than a box
-				PC-86, PC-89, PC-91, PC-95, PC-97, PC-10, PC-12, PC-17, PC-18, PC-55, PC-101R
-				L-635, L-637
-				MW-K2, MW-K4
-				ARP-1, ARP-2, ARP-3, ARP-4
-				ARP-5, ARP-6, ARP-7, PC-53
-				PC-103, MW-K5, M-83
-				M-87, PC-98R; PC-56, PC-58;
-				PC-59, PC-60, PC-62, PC-68, PC-122
-				Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
-				EXTRA BOTTLES INCLUDED
-				client code changed 7/25/03
-				bottle order and IDs updated 9/9/03

From: Origin ID: LASA (702) 651-2234
Susan Crowley
Tronox
560 West Lake Mead Parkway

Henderson, NV 89015



J90110901202023

Ship Date: 20MAY09
ActWgt: 50.0 LB
CAD: 7219287/INET9011
Account#: S*****

Delivery Address Bar Code



Ref # annual water sampling-10181.23
Invoice #
PO #
Dept #

SHIP TO: (626) 386-1100 BILL SENDER

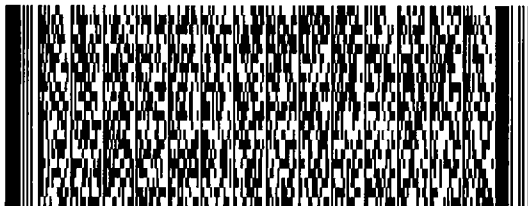
Sample Receiving
MWH Labs
750 ROYAL OAKS DR STE 100

MONROVIA, CA 91016

THU - 21MAY A2

TRK# 7976 1222 8504
0201

PRIORITY OVERNIGHT



91016
CA-US
BUR

QZ WHPA



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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 Group#: 271048
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

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2905210060	FB052009	CLO4 CR6010	Water P T	20-may-2009 10:30:00 TDS
2905210061	EB052009	CLO4 CR6010	Water P T	20-may-2009 13:00:00 TDS
2905210062	M-65	CLO4 CR6010	Water P T	20-may-2009 14:27:00 TDS
2905210063	M-134	CLO4 CR6010	Water P T	20-may-2009 15:08:00 TDS
2905210064	DUPLICATE	CLO4 CR6010	Water P T	20-may-2009 00:00:00 TDS

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)



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Report
Comments
#271048

Client Specific Comments

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

Signature: 

Group Comments

TDS. Due to high EC of the sample, only 1mL was used for TDS analysis. Original run was on 5/26 with result of 21050mg/L and EC of 16140. The TDS/EC ratio was 1.30. rerun on 6/13 got result of 16400 with TDS/EC ratio of 1.00.

(QC Ref#: 2905210062)

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
#271048

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

Samples Received
21-may-2009 15:06:04

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905210058	PC-64				
06/09/09	Chromium, Total, ICAP		2.3		mg/l	0.050
06/08/09	Metals digestion performed.		Y		Yes/No	
06/09/09	Perchlorate		570000		ug/l	40000
05/23/09	Total Dissolved Solid (TDS)		7150	500	mg/l	10
	2905210060	FB052009				
06/09/09	Perchlorate		4.1		ug/l	4.0
	2905210061	EB052009				
	2905210062	M-65				
06/09/09	Chromium, Total, ICAP		30		mg/l	0.10
06/09/09	Perchlorate		1260000		ug/l	80000
06/13/09	Total Dissolved Solid (TDS)		16400	500	mg/l	10
	2905210063	M-134				
06/09/09	Chromium, Total, ICAP		0.10		mg/l	0.010
06/08/09	Metals digestion performed.		Y		Yes/No	
06/09/09	Perchlorate		123000		ug/l	8000
05/26/09	Total Dissolved Solid (TDS)		3000	500	mg/l	10
	2905210064	DUPLICATE				
06/09/09	Chromium, Total, ICAP		0.12		mg/l	0.010
06/09/09	Perchlorate		125000		ug/l	8000
05/23/09	Total Dissolved Solid (TDS)		2850	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Hits Report
#271048

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

Samples Received
21-may-2009 15:06:04

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905210064	DUPLICATE				



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Laboratory
Data Report
#271048

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

Samples Received
05/21/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-64 (2905210058) Sampled on 05/20/09 10:27								
	06/09/09 00:00	487261	(EPA 314)	Perchlorate	570000	ug/l	40000	10000
06/09/09	06/09/09 00:00	487356	(ML/EPA 6010B)	Chromium, Total, ICAP	2.3	mg/l	0.050	5
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/23/09	05/23/09 22:05	485785	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7150	mg/l	10	1
FB052009 (2905210060) Sampled on 05/20/09 10:30								
	06/09/09 00:00	487685	(EPA 314)	Perchlorate	4.1	ug/l	4.0	1
06/09/09	06/09/09 18:49	487360	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
05/23/09	05/23/09 22:05	485785	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1
EB052009 (2905210061) Sampled on 05/20/09 13:00								
	06/09/09 00:00	487685	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
06/09/09	06/09/09 18:49	487360	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
05/26/09	05/26/09 18:34	486575	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1
M-65 (2905210062) Sampled on 05/20/09 14:27								
	06/09/09 00:00	487261	(EPA 314)	Perchlorate	1260000	ug/l	80000	20000
06/09/09	06/09/09 00:00	487356	(ML/EPA 6010B)	Chromium, Total, ICAP	30	mg/l	0.10	10
06/13/09	06/13/09 11:05	487962	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16400 (HA)	mg/l	10	1
M-134 (2905210063) Sampled on 05/20/09 15:08								
	06/09/09 00:00	487261	(EPA 314)	Perchlorate	123000	ug/l	8000	2000
06/09/09	06/09/09 18:49	487360	(ML/EPA 6010B)	Chromium, Total, ICAP	0.10	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/26/09	05/26/09 18:34	486575	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3000	mg/l	10	1



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Laboratory
Data Report
#271048

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
DUPLICATE (2905210064)					Sampled on 05/20/09 00:00			
	06/09/09 00:00	487261	(EPA 314)	Perchlorate	125000	ug/l	8000	2000
06/09/09	06/09/09 18:49	487360	(ML/EPA 6010B)	Chromium, Total, ICAP	0.12	mg/l	0.010	1
05/23/09	05/23/09 16:35	485784	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2850	mg/l	10	1



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Laboratory
QC Summary
#271048

Tronox LLC - Henderson

QC Ref #485784 - Total Dissolved Solid (TDS) Analysis Date: 05/23/2009

2905210064 DUPLICATE Analyzed by: axd

QC Ref #485785 - Total Dissolved Solid (TDS) Analysis Date: 05/23/2009

2905210058 PC-64 Analyzed by: axd
2905210060 FB052009 Analyzed by: axd

QC Ref #486575 - Total Dissolved Solid (TDS) Analysis Date: 05/26/2009

2905210061 EB052009 Analyzed by: jrf
2905210063 M-134 Analyzed by: jrf

QC Ref #487261 - Perchlorate Analysis Date: 06/09/2009

2905210058 PC-64 Analyzed by: ser
2905210062 M-65 Analyzed by: ser
2905210063 M-134 Analyzed by: ser
2905210064 DUPLICATE Analyzed by: ser

QC Ref #487356 - Chromium, Total, ICAP Analysis Date: 06/09/2009

2905210058 PC-64 Analyzed by: csk
2905210062 M-65 Analyzed by: csk

QC Ref #487360 - Chromium, Total, ICAP Analysis Date: 06/09/2009

2905210060 FB052009 Analyzed by: csk
2905210061 EB052009 Analyzed by: csk
2905210063 M-134 Analyzed by: csk
2905210064 DUPLICATE Analyzed by: csk

QC Ref #487685 - Perchlorate Analysis Date: 06/09/2009

2905210060 FB052009 Analyzed by: ser
2905210061 EB052009 Analyzed by: ser



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Laboratory
QC Summary
#271048

Tronox LLC - Henderson
(continued)

QC Ref #487962 - Total Dissolved Solid (TDS) Analysis Date: 06/13/2009

2905210062

M-65

Analyzed by: axd



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Laboratory
QC Report
#271048

Tronox LLC - Henderson

QC Ref #485784 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05210148	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	896	860	MGL		(0-10)	4.1
LCS1	Total Dissolved Solid (TDS)	175	168	MGL	96.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	666	MGL	95.1	(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)	96.000	95.143	MGL	0.9	(0-20)	

QC Ref #485785 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05210058	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7080	7150	MGL		(0-10)	1.0
LCS1	Total Dissolved Solid (TDS)	175	162	MGL	92.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	674	MGL	96.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	92.571	96.286	MGL	3.9	(0-20)	

QC Ref #486575 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05210037	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	604	632	MGL		(0-10)	4.5
LCS1	Total Dissolved Solid (TDS)	175	182	MGL	104.0	(80-114)	
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	10	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	104.000	98.857	MGL	5.1	(0-20)	

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



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#271048

Tronox LLC - Henderson
(continued)

QC Ref #487261 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	06050173	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS2	Perchlorate	25.0	25.3	UGL	101.2	(85-115)	
LCS3	Perchlorate	4	4.51	UGL	112.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.8	UGL	99.2	(80-120)	
MSD	Perchlorate	25.0	24.5	UGL	98.0	(80-120)	
RPD_LCS	Perchlorate	100.000	101.200	UGL	1.2	(0-15)	
RPD_MS	Perchlorate	99.200	98.000	UGL	1.0	(0-15)	

QC Ref #487356 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05200129	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.09	MGL	109.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0102	MGL	102.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.877	MGL	87.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.925	MGL	92.5	(70-130)	

QC Ref #487360 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05210060	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.912	MGL	91.2	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.999	MGL	99.9	(85-115)	

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

Tronox LLC - Henderson
 (continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0112	MGL	112.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.977	MGL	97.7	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.904	MGL	90.4	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.010	MGL	101.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.864	MGL	86.4	(70-130)	

QC Ref #487685 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	0603044	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.5	UGL	94.0	(85-115)	
LCS2	Perchlorate	25.0	23.2	UGL	92.8	(85-115)	
LCS3	Perchlorate	4	3.02	UGL	75.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.4	UGL	97.6	(80-120)	
MSD	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
RPD_LCS	Perchlorate	94.000	92.800	UGL	1.3	(0-15)	
RPD_MS	Perchlorate	97.600	96.000	UGL	1.0	(0-15)	

QC Ref #487962 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	06110059	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7700	7700	MGL		(0-10)	0.0
LCS1	Total Dissolved Solid (TDS)	175	162	MGL	92.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	654	MGL	93.4	(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)	92.571	93.429	MGL	0.9	(0-20)	

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