



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
Jun 12 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager

Report#270579R replaces the original Report.



Report#: 270579R
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 11 page[s].



BUILDING A BETTER WORLD

June 16, 2009

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

Subject: Case Narrative report 270579R

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on May 09, 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 – (2905120041 M-2A) 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



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

270579

M/LABS USE ONLY:

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: BS/K

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME
KERRMCGEE-MP
Sample: Michele Brown
Susan Crowley (702) 651-2234

PROJECT JOB # / P.O.#
Quantity Groundwater Sampling
Schedule B

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89005

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	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
538	5-8-09		M-17A	RGW	X		X	X	X	X					2 Bottles
552	5-8-09		M-2A	RGW	X		X	X	X	X					2 Bottles
624	5-8-09		M-7G	RGW	X		X	X	X	X					2 Bottles
640	5-8-09		M-7S	RGW	X		X	X	X	X					2 Bottles
1057	5-8-09		M-11S	RGW	X		X	X	X	X					2 Bottles
M10	5-8-09		M-14A	RGW	X		X	X	X	X					2 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES: Reported by Volume: CFW = Chlor(am)inated Finished Water, FW = Other Finished Water
 Reported by Weight: SO = Soil, SL = Sludge

RGW = Raw Ground Water, RSW = Raw Surface Water
 CWW = Chlorinated Waste Water, WW = Other Waste Water, SW = Storm Water

SIGNATURE: Michele Brown PRINT NAME: Michele Brown
 RECEIVED BY: Joe Sanchez COMPANY/TITLE: Veolia Water NA for Tronox LLC - Henderson Plant
 RELINQUISHED BY: Joe Sanchez DATE: 5-8-09 TIME: 12:00PM
 RECEIVED BY: Joe Sanchez DATE: 5-9-09 TIME: 10:45



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 Tronox LLC- Henderson

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

Client Code KERRMCREE-MP Q Quarterly PerIOD
 Project Code CLO4 Week 1

SO# 47781 26973 RS

Sampler: Please Return this Paper with your samples

Created by ADE

Order Date 04/23/09

Date Needed by Client 04/30/09

Date Samples to Arrive at MWL 04/30/09
 SHIP TO CLIENT

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

FAX: 702-651-2310

Quote#

ADE

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 - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative		second quarter only
15	CRV7196	1 125ml poly acid rinsed/ no preservative SHORT HOLDING TIME!!!!		NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht
22	NO39056	1 125ml poly/ no preservative SHORT HOLDING TIME!!!!		TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06
22	CLO39056	1 60ml poly+0.60 mL 5% EDA sol'n	UN 1604	Note - client never received original shipment, as best they can tell. Please resend this one.

ActiveCode Status

Date Shipped

Carrier

Qty of Coolers

Tracking Number

Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143697

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER Federal Express		Date 5/8/09	FROM NO. STATION STATE Henderson, NV 89015
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization M. Skromyda	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC CODE NO. WCN IS 1321.10181	
N/A/R	CUSTOMER PO OR REC'N NO.	SHIPPED FROM Henderson, NV	If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight
LINE NO	DESCRIPTION AND CLASSIFICATION	STOCK NO	TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly Two ice chest @ 18 lbs. each Not Regulated		2 Coolers
TRUCK SHIPMENTS			Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement: The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. TRONOX LLC
PLACARDS OFFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PLACARDS ACCEPTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
2	TOTAL GROSS WEIGHT 36	0 TOTAL TARE WEIGHT 0	36
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____			FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT 800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.
Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission			
THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.			
TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER Chuck Whitney	AGENT	PER

From: Origin ID: LASA (702) 651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015



Ship Date: 08MAY09
ActWgt: 18.0 LB
CAD: 2274147/NET9011
Account#: S *****

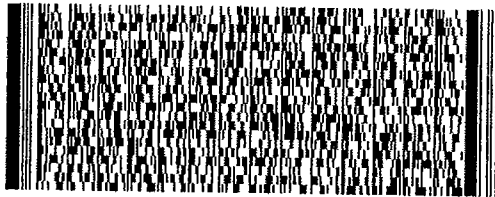
Delivery Address Bar Code



Ref # MSO # 143697
Invoice #
PO #
Dept #

SHIP TO: (626) 568-6400 BILL SENDER
ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 91016

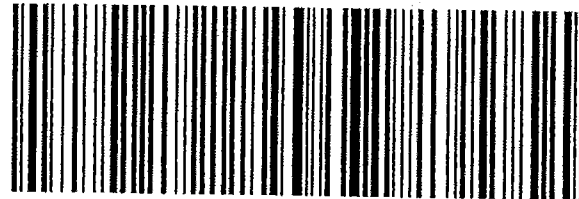


TRK# 7965 9028 0375
0201

SATURDAY ### A2
PRIORITY OVERNIGHT

X0 WHPA

91016
CA-US
BUR



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.

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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.

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#: 270579
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on 05/09/09. 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
2905120040	M-17A	CLO4 CR6010	Water	08-may-2009 05:38:00
			P PH9040 T	TDS
2905120041	M-2A	CLO4 CR6010	Water	08-may-2009 05:52:00
			DIGEST P PH9040 T	
		TDS		
2905120042	M-76	CLO4 CR6010	Water	08-may-2009 06:24:00
			DIGEST P PH9040 T	
		TDS		
2905120043	M-75	CLO4 CR6010	Water	08-may-2009 06:40:00
			DIGEST P PH9040 T	
		TDS		
2905120044	M-115	CLO4 CR6010	Water	08-may-2009 06:57:00
			DIGEST P PH9040 T	
		TDS		
2905120045	M-14A	CLO4 CR6010	Water	08-may-2009 07:10:00
			DIGEST P PH9040 T	
		TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
DIGEST	Metals digestion performed.
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)



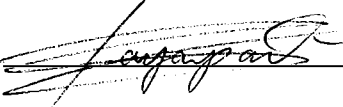
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Report
Comments
#270579

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 QC for CR6010.

(QC Ref#: 2905120041)

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

original result was 6950mg/L on 5/9/09.

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



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Laboratory
Hits Report
#270579

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

Samples Received
09-may-2009 10:45:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905120040	M-17A				
06/09/09		Chromium, Total, ICAP	27		mg/l	0.10
05/11/09		PH (H3=past HT, not compliant)	7.4		Units	0.0010
05/28/09		Perchlorate	895000		ug/l	40000
05/15/09		Total Dissolved Solid (TDS)	12400	500	mg/l	10
	2905120041	M-2A				
06/08/09		Chromium, Total, ICAP	20		mg/l	0.10
06/08/09		Metals digestion performed.	Y		Yes/No	
05/11/09		PH (H3=past HT, not compliant)	7.5		Units	0.0010
06/04/09		Perchlorate	514000		ug/l	40000
05/22/09		Total Dissolved Solid (TDS)	11300	500	mg/l	10
	2905120042	M-76				
06/08/09		Chromium, Total, ICAP	2.5		mg/l	0.050
06/08/09		Metals digestion performed.	Y		Yes/No	
05/11/09		PH (H3=past HT, not compliant)	7.8		Units	0.0010
06/03/09		Perchlorate	126000		ug/l	8000
05/15/09		Total Dissolved Solid (TDS)	5600	500	mg/l	10
	2905120043	M-75				
06/08/09		Chromium, Total, ICAP	3.7		mg/l	0.050
06/08/09		Metals digestion performed.	Y		Yes/No	
05/11/09		PH (H3=past HT, not compliant)	7.9		Units	0.0010
05/28/09		Perchlorate	70900		ug/l	4000
05/15/09		Total Dissolved Solid (TDS)	4720	500	mg/l	10
	2905120044	M-115				

SUMMARY OF POSITIVE DATA ONLY.



750 Royal Oaks Drive, Suite 100
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Laboratory
 Hits Report
 #270579

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

Samples Received
 09-may-2009 10:45:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905120044	M-115				
06/09/09			Chromium, Total, ICAP	0.028	mg/l	0.010
06/08/09			Metals digestion performed.	Y	Yes/No	
05/11/09			PH (H3=past HT, not compliant)	7.8	Units	0.0010
05/28/09			Perchlorate	18300	ug/l	2000
05/15/09			Total Dissolved Solid (TDS)	2430	mg/l	10
	2905120045	M-14A				
06/09/09			Chromium, Total, ICAP	0.052	mg/l	0.010
06/08/09			Metals digestion performed.	Y	Yes/No	
05/11/09			PH (H3=past HT, not compliant)	7.8	Units	0.0010
05/28/09			Perchlorate	24700	ug/l	2000
05/15/09			Total Dissolved Solid (TDS)	3100	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
 Data Report
 #270579

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

Samples Received
 05/09/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-17A (2905120040)			Sampled on 05/08/09 05:38					
	05/28/09 17:36	486371	(EPA 314)	Perchlorate	895000	ug/l	40000	10000
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	27	mg/l	0.10	10
	05/11/09 00:00	484369	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
05/15/09	05/15/09 22:35	484924	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12400	mg/l	10	1
M-2A (2905120041)			Sampled on 05/08/09 05:52					
	06/04/09 15:41	487101	(EPA 314)	Perchlorate	514000	ug/l	40000	10000
06/03/09	06/08/09 00:00	487112	(ML/EPA 6010B)	Chromium, Total, ICAP	20	mg/l	0.10	10
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/11/09 00:00	484369	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
05/22/09	05/22/09 12:50	485923	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	11300(HA)	mg/l	10	1
M-76 (2905120042)			Sampled on 05/08/09 06:24					
	06/03/09 17:34	487093	(EPA 314)	Perchlorate	126000	ug/l	8000	2000
06/03/09	06/08/09 00:00	487112	(ML/EPA 6010B)	Chromium, Total, ICAP	2.5	mg/l	0.050	5
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/11/09 00:00	484369	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
05/15/09	05/15/09 22:35	484924	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5600	mg/l	10	1
M-75 (2905120043)			Sampled on 05/08/09 06:40					
	05/28/09 17:36	486371	(EPA 314)	Perchlorate	70900	ug/l	4000	1000
06/03/09	06/08/09 00:00	487112	(ML/EPA 6010B)	Chromium, Total, ICAP	3.7	mg/l	0.050	5
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/11/09 00:00	484369	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
05/15/09	05/15/09 22:35	484924	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4720	mg/l	10	1



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Laboratory
Data Report
#270579

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-115 (2905120044)		Sampled on 05/08/09 06:57						
	05/28/09 17:36	486371	(EPA 314)	Perchlorate	18300	ug/l	2000	500
06/05/09	06/09/09 00:00	487350	(ML/EPA 6010B)	Chromium, Total, ICAP	0.028	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/11/09 00:00	484369	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
05/15/09	05/15/09 22:35	484924	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2430	mg/l	10	1
M-14A (2905120045)		Sampled on 05/08/09 07:10						
	05/28/09 17:36	486371	(EPA 314)	Perchlorate	24700	ug/l	2000	500
06/09/09	06/09/09 00:00	487356	(ML/EPA 6010B)	Chromium, Total, ICAP	0.052	mg/l	0.010	1
	06/08/09 13:47		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/11/09 00:00	484369	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
05/15/09	05/15/09 23:35	484917	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3100	mg/l	10	1



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Laboratory
QC Summary
#270579

Tronox LLC - Henderson

QC Ref #484369 - PH (H3=past HT, not compliant) Analysis Date: 05/11/2009

2905120040	M-17A	Analyzed by: nem
2905120041	M-2A	Analyzed by: nem
2905120042	M-76	Analyzed by: nem
2905120043	M-75	Analyzed by: nem
2905120044	M-115	Analyzed by: nem
2905120045	M-14A	Analyzed by: nem

QC Ref #484917 - Total Dissolved Solid (TDS) Analysis Date: 05/15/2009

2905120045	M-14A	Analyzed by: axd
------------	-------	------------------

QC Ref #484924 - Total Dissolved Solid (TDS) Analysis Date: 05/15/2009

2905120040	M-17A	Analyzed by: axd
2905120042	M-76	Analyzed by: axd
2905120043	M-75	Analyzed by: axd
2905120044	M-115	Analyzed by: axd

QC Ref #485923 - Total Dissolved Solid (TDS) Analysis Date: 05/22/2009

2905120041	M-2A	Analyzed by: lmr
------------	------	------------------

QC Ref #486371 - Perchlorate Analysis Date: 05/28/2009

2905120040	M-17A	Analyzed by: ser
2905120043	M-75	Analyzed by: ser
2905120044	M-115	Analyzed by: ser
2905120045	M-14A	Analyzed by: ser

QC Ref #487093 - Perchlorate Analysis Date: 06/03/2009

2905120042	M-76	Analyzed by: ser
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Laboratory
QC Summary
#270579

Tronox LLC - Henderson
(continued)

QC Ref #487101 - Perchlorate

Analysis Date: 06/04/2009

2905120041 M-2A

Analyzed by: ser

QC Ref #487112 - Chromium, Total, ICAP

Analysis Date: 06/08/2009

2905120041 M-2A
2905120042 M-76
2905120043 M-75

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

QC Ref #487350 - Chromium, Total, ICAP

Analysis Date: 06/09/2009

2905120040 M-17A
2905120044 M-115

Analyzed by: csk
Analyzed by: csk

QC Ref #487356 - Chromium, Total, ICAP

Analysis Date: 06/09/2009

2905120045 M-14A

Analyzed by: csk



Tronox LLC - Henderson

QC Ref #484369 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.59	7.61	UNIT		(0-20)	0.3

QC Ref #484917 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05120045	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	3128	3096	MGL		(0-10)	1.0
LCS1	Total Dissolved Solid (TDS)	175	172	MGL	98.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	660	MGL	94.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	98.286	94.286	MGL	4.2	(0-20)	

QC Ref #484924 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05080056	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	2	2	MGL		(0-10)	0.0
LCS1	Total Dissolved Solid (TDS)	175	190	MGL	108.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	752	MGL	107.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	108.571	107.429	MGL	1.1	(0-20)	

QC Ref #485923 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05060030	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7390	7130	MGL		(0-10)	3.6
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	

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LCS2	Total Dissolved Solid (TDS)	700	672	MGL	96.0	(80-114)
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL		
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	90.286	96.000	MGL	6.1	(0-20)

QC Ref #486371 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	05150094	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.8	UGL	99.2	(85-115)	
LCS2	Perchlorate	25.0	24.7	UGL	98.8	(85-115)	
LCS3	Perchlorate	4	3.72	UGL	93.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.6	UGL	94.4	(80-120)	
MSD	Perchlorate	25.0	23.9	UGL	95.6	(80-120)	
RPD_LCS	Perchlorate	99.200	98.800	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	94.400	95.600	UGL	1.0	(0-15)	

QC Ref #487093 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	05200011	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.0	UGL	96.0	(85-115)	
LCS2	Perchlorate	25.0	23.9	UGL	95.6	(85-115)	
LCS3	Perchlorate	4	3.60	UGL	90.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
MSD	Perchlorate	25.0	25.0	UGL	100.0	(80-120)	
RPD_LCS	Perchlorate	96.000	95.600	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	99.600	100.000	UGL	1.0	(0-15)	

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QC Ref #487101 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	05130175	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.0	UGL	96.0	(85-115)	
LCS2	Perchlorate	25.0	23.6	UGL	94.4	(85-115)	
LCS3	Perchlorate	4	3.06	UGL	76.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.4	UGL	101.6	(80-120)	
MSD	Perchlorate	25.0	25.0	UGL	100.0	(80-120)	
RPD_LCS	Perchlorate	96.000	94.400	UGL	1.7	(0-15)	
RPD_MS	Perchlorate	101.600	100.000	UGL	1.0	(0-15)	

QC Ref #487112 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab #29	05120265	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(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	0.831	MGL	83.1	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.997	MGL	99.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.941	MGL	94.1	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.958	MGL	95.8	(70-130)	

QC Ref #487350 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05120264	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.928	MGL	92.8	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(85-115)	

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MBLK	Chromium, Total, ICAP	ND	<0.010	MGL		
MRL_CHK	Chromium, Total, ICAP	0.010	0.0096	MGL	96.0	(50-150)
MS	Chromium, Total, ICAP	1.00	0.000	MGL	<u>0.0</u>	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.928	MGL	92.8	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.000	MGL	<u>0.0</u>	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.908	MGL	90.8	(70-130)

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)	

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