



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

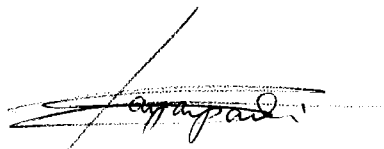
for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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

DATE OF ISSUE
Jun 30 2009
MWH LABORATORIES


ADE Andy Eaton
Project Manager



Report#: 271731
Project: CL04
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].



MWH

BUILDING A BETTER WORLD

July 1, 2009

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

Subject: Case Narrative report 271731

Sample receipt: The samples arrived at MWH on June 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:

None.

Note that for ion chromatography tests such as perchlorate, the exact analysis time is not shown on the report. Only the date of analysis appears. The time normally defaults to 00:00.

If you have any questions, do not hesitate to contact us.

Sincerely yours,

Andrew Eaton, PhD
Project Manager



CHAIN OF CUSTODY RECORD

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

IM/LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JSBm

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

27173A1

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME KERRICGEE-MP		PROJECT JOB # / P.O.# Collection Wells Fields - Weekly - SO #12373		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES		ANALYSES REQUIRED (mark an "X" in all tests required for each sample line)		X (check for yes)	
Sampler Michelle Brown Susan Crowley (702) 651-2200		Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009							

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	CL04	TDS	Gr	SAMPLER COMMENTS
9:45	6/8/09		ART-1	RSW	X		X	X		
5:30	6/8/09		ART-2	RSW	X		X	X		
5:30	6/8/09		ART-3	RSW	X		X	X		
5:30	6/8/09		ART-4	RSW	X		X	X		
			ART-5	RSW	X		X	X		NO SAMPLE
9:30	6/8/09		ART-6	RSW	X		X	X		
5:30	6/8/09		ART-7	RSW	X		X	X		
5:30	6/8/09		ART-8	RSW	X		X	X		
0600	6/8/09		PC-99R2/R3	RSW	X		X	X		
0600	6/8/09		PC-115R	RSW	X		X	X		
0600	6/8/09		PC-116R	RSW	X		X	X		
			Seep Surface Flow	RSW	X		X	X		NO SAMPLE

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated 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

RELINQUISHED BY: RECEIVED BY: MICHELLE BROWN JOE SANCHEZ	SIGNATURE	PRINT NAME Michelle Brown Joe Sanchez	COMPANY/TITLE Vecolia Water for Tronox, LLC - Henderson Plant	DATE 6/8/2009 6-9-09	TIME 1200pm 10:00
RELINQUISHED BY:					
RECEIVED BY:					



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

271789/1

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: SM
SAMPLE TEMP, RECEIPT AT LAB: 2
BLUE ICE: FROZEN _____ PARTIALLY FROZEN _____ THAWED _____

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: PROJECT JOB # / P.O.#
KERRMCGEE-MP: Collection Wells Fields - Monthly - SO #12373
Sampler Signature: Michele Brown
Tronox LLC - Henderson Plant LLC
PO Box 55
Henderson, NV 89009
Susan Crowley (702) 651-2200

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)										SAMPLER COMMENTS								
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	Total Cl ₂	TDS	SR											
6:00	6/8/09		SF-1	RSW	X		X	X												
6:00	6/8/09		PC-117	RSW	X		X	X												
6:00	6/8/09		PC-118	RSW	X		X	X												
6:00	6/8/09		PC-119	RSW	X		X	X												
6:00	6/8/09		PC-120	RSW	X		X	X												
6:00	6/8/09		PC-121	RSW	X		X	X												
6:00	6/8/09		PC-133	RSW	X		X	X												
5:30	6/8/09		ART-9	RSW	X		X	X												

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

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

Reported by Weight:
SO = Soil
SL = Sludge

SIGNATURE: Michele Brown PRINT NAME: Michele Brown

RELINQUISHED BY: _____ DATE: 6/8/2009 TIME: 1200pm

RECEIVED BY: _____ COMPANY/TITLE: Veolia Water for Tronox LLC - Henderson Plant

RELINQUISHED BY: _____

RECEIVED BY: _____



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- Herds Standing

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

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

SO# 48004 12373 RS **Sampler: Please Return this Paper with your samples**

Created by GJY
 Order Date 05/20/09
 Date Needed by Client
 Veolia Water-Tronox LLC
 Gate 1
 8000 West Lake Mead Drive
 Henderson, NV 89015

Billing Address
 Tronox LLC
 Attn: Accounts Payable
 PO BOX 268859
 Oklahoma City, OK 73126-8859

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

Quote#
GJY

of Samples Tests Bottles-Qty for each sample, type & preservative if any UN# Important Comments

30	CLO4, TDS,	1	250 ml poly /no preservative	-	-	Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC Monthly effective 11-30-07
-	SHEET OF LABELS WITH WELL-IDS	-	see comments section	-	-	PC-117, PC-118, PC-119, PC-120, and PC-121
-		-		-	-	PC-116R
-		-		-	-	PC-99R2
-		-		-	-	PC-99R3
-		-		-	-	PC-115R
-		-		-	-	ART-1
-		-		-	-	ART-2
-		-		-	-	ART-3
-		-		-	-	ART-4
-		-		-	-	ART-5
-		-		-	-	ART-6
-		-		-	-	ART-7
-		-		-	-	ART-8
-		-		-	-	Seep Surface Flow SF-1"

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
 Testcode updated 3-16-06
 standing order changed 6-14-06

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: 143733

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 6/8/09	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		
N/A/R		CUSTOMER PO OR REQ'N NO.	CODE NO. WCN IS 1321.10181	
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 Monthly ART and PC Well Samples One Ice Chest @ 53 lbs		1 Cooler	
			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	
			The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.	
TRUCK SHIPMENTS		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.		
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	
		0		
1	TOTAL GROSS WEIGHT 53	TOTAL TARE WEIGHT 0	53	
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			"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 Carron Williams	AGENT	PER

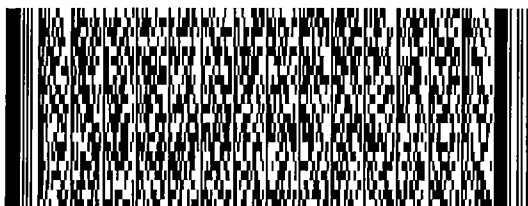
From: Origin ID: LASA (702) 651-2230
 TRONOX LLC
 TRONOX LLC
 8000 LAKE MEAD PARKWAY
 SHIPPING DEPARTMENT
 HENDERSON, NV 89015



J90110901302023

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

MONROVIA, CA 91016



Ship Date: 08JUN09
 ActWgt: 53.0 LB
 CAD: 2274147/NET9011
 Account#: S *****

Delivery Address Bar Code



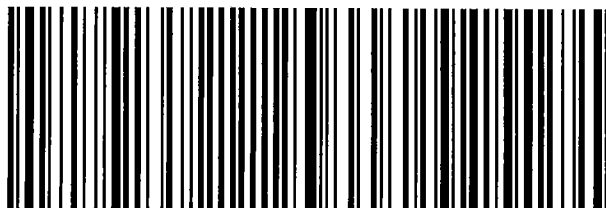
Ref # MSO #143733
 Invoice #
 PO #
 Dept #

TRK# 7966 7374 5013
 0201

TUE - 09JUN A2
PRIORITY OVERNIGHT

QZ 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.

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.

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#: 271731
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **06/09/09**. 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
2906090172	ART-1	CLO4 TDS	Water	08-jun-2009 09:45:00
2906090174	ART-2	CLO4 TDS	Water	08-jun-2009 05:30:00
2906090175	ART-3	CLO4 TDS	Water	08-jun-2009 05:30:00
2906090176	ART-4	CLO4 TDS	Water	08-jun-2009 05:30:00
2906090177	ART-6	CLO4 TDS	Water	08-jun-2009 09:30:00
2906090178	ART-7	CLO4 TDS	Water	08-jun-2009 05:30:00
2906090179	ART-8	CLO4 TDS	Water	08-jun-2009 05:30:00
2906090180	PC-99R2/R3	CLO4 TDS	Water	08-jun-2009 06:00:00
2906090181	PC-115R	CLO4 TDS	Water	08-jun-2009 06:00:00
2906090182	PC-116R	CLO4 TDS	Water	08-jun-2009 06:00:00
2906090183	SF-1	CLO4 TDS	Water	08-jun-2009 06:00:00
2906090184	PC-117	CLO4 TDS	Water	08-jun-2009 06:00:00
2906090185	PC-118	CLO4 TDS	Water	08-jun-2009 06:00:00
2906090186	PC-119	CLO4 TDS	Water	08-jun-2009 06:00:00
2906090187	PC-120	CLO4 TDS	Water	08-jun-2009 06:00:00
2906090188	PC-121	CLO4 TDS	Water	08-jun-2009 06:00:00
2906090189	PC-133	CLO4 TDS	Water	08-jun-2009 06:00:00

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#: 271731
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2906090190	ART-9	CLO4 TDS	Water	08-jun-2009 05:30:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)



MWH Laboratories
A Division of MWH Americas, Inc.

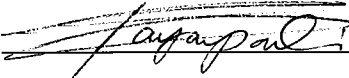
750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#271731

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: _____





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
Hits Report
#271731

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

Samples Received
09-jun-2009 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2906090172	ART-1				
06/25/09	Perchlorate		205		ug/l	20
06/10/09	Total Dissolved Solid (TDS)		7150	500	mg/l	10
	2906090174	ART-2				
06/19/09	Perchlorate		64600		ug/l	4000
06/10/09	Total Dissolved Solid (TDS)		9150	500	mg/l	10
	2906090175	ART-3				
06/19/09	Perchlorate		292000		ug/l	20000
06/10/09	Total Dissolved Solid (TDS)		8600	500	mg/l	10
	2906090176	ART-4				
06/19/09	Perchlorate		343000		ug/l	20000
06/10/09	Total Dissolved Solid (TDS)		7270	500	mg/l	10
	2906090177	ART-6				
06/19/09	Perchlorate		84000		ug/l	20000
06/10/09	Total Dissolved Solid (TDS)		7650	500	mg/l	10
	2906090178	ART-7				
06/19/09	Perchlorate		138000		ug/l	8000
06/10/09	Total Dissolved Solid (TDS)		9950	500	mg/l	10
	2906090179	ART-8				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#271731

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

Samples Received
09-jun-2009 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2906090179	ART-8				
06/19/09	Perchlorate		216000		ug/l	20000
06/10/09	Total Dissolved Solid (TDS)		10000	500	mg/l	10
	2906090180	PC-99R2/R3				
06/19/09	Perchlorate		7640		ug/l	800
06/10/09	Total Dissolved Solid (TDS)		4550	500	mg/l	10
	2906090181	PC-115R				
06/19/09	Perchlorate		8230		ug/l	800
06/10/09	Total Dissolved Solid (TDS)		4560	500	mg/l	10
	2906090182	PC-116R				
06/19/09	Perchlorate		5000		ug/l	400
06/10/09	Total Dissolved Solid (TDS)		3880	500	mg/l	10
	2906090183	SF-1				
06/10/09	Total Dissolved Solid (TDS)		6140	500	mg/l	10
	2906090184	PC-117				
06/19/09	Perchlorate		1890		ug/l	400
06/10/09	Total Dissolved Solid (TDS)		2890	500	mg/l	10
	2906090185	PC-118				
06/19/09	Perchlorate		5370		ug/l	400

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
 Hits Report
 #271731

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

Samples Received
 09-jun-2009 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2906090185	PC-118				
06/10/09	Total Dissolved Solid (TDS)		3710	500	mg/l	10
	2906090186	PC-119				
06/19/09	Perchlorate		1730		ug/l	200
06/10/09	Total Dissolved Solid (TDS)		2760	500	mg/l	10
	2906090187	PC-120				
06/20/09	Perchlorate		1020		ug/l	200
06/10/09	Total Dissolved Solid (TDS)		2620	500	mg/l	10
	2906090188	PC-121				
06/20/09	Perchlorate		1400		ug/l	80
06/10/09	Total Dissolved Solid (TDS)		2620	500	mg/l	10
	2906090189	PC-133				
06/20/09	Perchlorate		1010		ug/l	200
06/10/09	Total Dissolved Solid (TDS)		2610	500	mg/l	10
	2906090190	ART-9				
06/26/09	Perchlorate		346000		ug/l	20000
06/10/09	Total Dissolved Solid (TDS)		8780	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



750 Royal Oaks Drive, Suite 100
 Monrovia, California 91016-3829
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 1 800 566 LABS (1 800 566 5227)

Laboratory
 Data Report
 #271731

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

Samples Received
 06/09/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-1 (2906090172) Sampled on 06/08/09 09:45								
	06/25/09 19:10	488954	(EPA 314)	Perchlorate	205	ug/l	20	5
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7150	mg/l	10	1
ART-2 (2906090174) Sampled on 06/08/09 05:30								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	64600	ug/l	4000	1000
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9150	mg/l	10	1
ART-3 (2906090175) Sampled on 06/08/09 05:30								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	292000	ug/l	20000	5000
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8600	mg/l	10	1
ART-4 (2906090176) Sampled on 06/08/09 05:30								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	343000	ug/l	20000	5000
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7270	mg/l	10	1
ART-6 (2906090177) Sampled on 06/08/09 09:30								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	84000	ug/l	20000	5000
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7650	mg/l	10	1
ART-7 (2906090178) Sampled on 06/08/09 05:30								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	138000	ug/l	8000	2000
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9950	mg/l	10	1
ART-8 (2906090179) Sampled on 06/08/09 05:30								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	216000	ug/l	20000	5000
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10000	mg/l	10	1



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Tronox LLC - Henderson
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-99R2/R3 (2906090180) Sampled on 06/08/09 06:00								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	7640	ug/l	800	200
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4550	mg/l	10	1
PC-115R (2906090181) Sampled on 06/08/09 06:00								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	8230	ug/l	800	200
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4560	mg/l	10	1
PC-116R (2906090182) Sampled on 06/08/09 06:00								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	5000	ug/l	400	100
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3880	mg/l	10	1
SF-1 (2906090183) Sampled on 06/08/09 06:00								
	06/25/09 19:10	488954	(EPA 314)	Perchlorate	ND	ug/l	8.0	2
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6140	mg/l	10	1
PC-117 (2906090184) Sampled on 06/08/09 06:00								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	1890	ug/l	400	100
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2890	mg/l	10	1
PC-118 (2906090185) Sampled on 06/08/09 06:00								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	5370	ug/l	400	100
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3710	mg/l	10	1
PC-119 (2906090186) Sampled on 06/08/09 06:00								
	06/19/09 15:08	488440	(EPA 314)	Perchlorate	1730	ug/l	200	50
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2760	mg/l	10	1
PC-120 (2906090187) Sampled on 06/08/09 06:00								
	06/20/09 00:00	488440	(EPA 314)	Perchlorate	1020	ug/l	200	50
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2620	mg/l	10	1



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 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-121 (2906090188)				Sampled on 06/08/09 06:00				
	06/20/09 00:00	488440	(EPA 314)	Perchlorate	1400	ug/l	80	20
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2620	mg/l	10	1
PC-133 (2906090189)				Sampled on 06/08/09 06:00				
	06/20/09 00:00	488440	(EPA 314)	Perchlorate	1010	ug/l	200	50
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2610	mg/l	10	1
ART-9 (2906090190)				Sampled on 06/08/09 05:30				
	06/26/09 00:00	488954	(EPA 314)	Perchlorate	346000	ug/l	20000	5000
06/10/09	06/10/09 20:15	487751	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8780	mg/l	10	1



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QC Ref #487751 - Total Dissolved Solid (TDS) Analysis Date: 06/10/2009

2906090172	ART-1	Analyzed by: maria
2906090174	ART-2	Analyzed by: maria
2906090175	ART-3	Analyzed by: maria
2906090176	ART-4	Analyzed by: maria
2906090177	ART-6	Analyzed by: maria
2906090178	ART-7	Analyzed by: maria
2906090179	ART-8	Analyzed by: maria
2906090180	PC-99R2/R3	Analyzed by: maria
2906090181	PC-115R	Analyzed by: maria
2906090182	PC-116R	Analyzed by: maria
2906090183	SF-1	Analyzed by: maria
2906090184	PC-117	Analyzed by: maria
2906090185	PC-118	Analyzed by: maria
2906090186	PC-119	Analyzed by: maria
2906090187	PC-120	Analyzed by: maria
2906090188	PC-121	Analyzed by: maria
2906090189	PC-133	Analyzed by: maria
2906090190	ART-9	Analyzed by: maria

QC Ref #488440 - Perchlorate

Analysis Date: 06/19/2009

2906090174	ART-2	Analyzed by: ser
2906090175	ART-3	Analyzed by: ser
2906090176	ART-4	Analyzed by: ser
2906090177	ART-6	Analyzed by: ser
2906090178	ART-7	Analyzed by: ser
2906090179	ART-8	Analyzed by: ser
2906090180	PC-99R2/R3	Analyzed by: ser
2906090181	PC-115R	Analyzed by: ser
2906090182	PC-116R	Analyzed by: ser
2906090184	PC-117	Analyzed by: ser
2906090185	PC-118	Analyzed by: ser
2906090186	PC-119	Analyzed by: ser
2906090187	PC-120	Analyzed by: ser
2906090188	PC-121	Analyzed by: ser
2906090189	PC-133	Analyzed by: ser



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(continued)

QC Ref #488954 - Perchlorate

Analysis Date: 06/25/2009

2906090172	ART-1
2906090183	SF-1
2906090190	ART-9

Analyzed by: ser
Analyzed by: ser
Analyzed by: ser

Tronox LLC - Henderson

QC Ref #487751 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	06090099	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	8950	8850	MGL		(0-10)	1.1
LCS1	Total Dissolved Solid (TDS)	175	174	MGL	99.4	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	662	MGL	94.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRI_CHK	Total Dissolved Solid (TDS)	10.0	13.0	MGL	130.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	99.429	94.571	MGL	5.0	(0-20)	

QC Ref #488440 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	06090191	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.1	UGL	92.4	(85-115)	
LCS2	Perchlorate	25.0	23.0	UGL	92.0	(85-115)	
LCS3	Perchlorate	4	3.23	UGL	80.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.9	UGL	91.6	(80-120)	
MSD	Perchlorate	25.0	22.9	UGL	91.6	(80-120)	
RPD_LCS	Perchlorate	92.400	92.000	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	91.600	91.600	UGL	1.0	(0-15)	

QC Ref #488954 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	06090192	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS2	Perchlorate	25.0	24.3	UGL	97.2	(85-115)	
LCS3	Perchlorate	4	3.83	UGL	95.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.3	UGL	93.2	(80-120)	
MSD	Perchlorate	25.0	23.4	UGL	93.6	(80-120)	

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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RPD_LCS	Perchlorate	98.400	97.200	UGL	1.2	(0-15)
RPD_MS	Perchlorate	93.200	93.600	UGL	1.0	(0-15)

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