



A Division of MWH Americas, Inc.

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

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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

DATE OF ISSUE
Mar 23 2009
MWH LABORATORIES

A handwritten signature in cursive script, appearing to read "A. Eaton".

ADE Andy Eaton
Project Manager



Report#: 266452
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 12 page[s].



BUILDING A BETTER WORLD

March 24, 2009

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

Subject: Case Narrative report 266452

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on March 3, 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:

Several TDS samples were re-analyzed past hold time due to inconsistent results on the initial run.

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

Sincerely,

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

Andrew Eaton, PhD
Project Manager



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

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: MS/JS

SAMPLE TEMP, RECEIPT AT LAB: 3

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		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)		SAMPLER COMMENTS	
KERRMCGEE-MP		Tronox LLC - Henderson Plant LLC Collection Wells Fields - Mentely - SO #12373		Total Cl ₂		TDS			
Sampler Signature: <i>Michele Brown</i> Susan Crowley (702) 651-2200		Michele Brown PO Box 55 Henderson, NV 89009		MATRIX *		GRAB		COMP	
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP			
6:00	3/2/09		SF-1	RSW	X		X	X	
6:00	3/2/09		PC-117	RSW	X		X	X	
6:00	3/2/09		PC-118	RSW	X		X	X	
6:00	3/2/09		PC-119	RSW	X		X	X	
6:00	3/2/09		PC-120	RSW	X		X	X	
6:00	3/2/09		PC-121	RSW	X		X	X	
6:00	3/2/09		PC-133	RSW	X		X	X	
5:30	3/2/09		ART-9	RSW	X		X	X	

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(amin)ated Finished Water
FW = Other Finished Water

Reported by Weight:
SO = Soil
SL = Sludge

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

RELINQUISHED BY	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	<i>Michele Brown</i>	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	3/2/2009	1200pm
RELINQUISHED BY:	<i>Joe Sanchez</i>	Joe Sanchez	NWA	3-3-09	10:13
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 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# GWREMEDICATION
Blanket PO

M Monthly Period

SO# 46867 12373 RS 0 **Sampler: Please Return this Paper with your samples**

Created by GJY

Order Date

02/12/09

Date Needed by Client

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

Date Samples to Arrive at MWL

ATTN: Susan Crowley
PHONE: 702-651-2234

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

Quote#

GJY

SHIP LOCATION

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
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

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: 143587

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 3/02/09	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/AR		CUSTOMER PO OR REQ'N NO.	SHIPPED FROM Henderson, NV
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Monthly/Quarterly ART and PC Well Samples Includes CR sample from each site One Ice Chest @ 24 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 24	TOTAL TARE WEIGHT 0	24
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



J9611698126223

Ship Date: 02MAR09
Act/Wgt: 24.0 LB
CAD: 2274147/NET9011
Account#: S *****

Delivery Address Bar Code



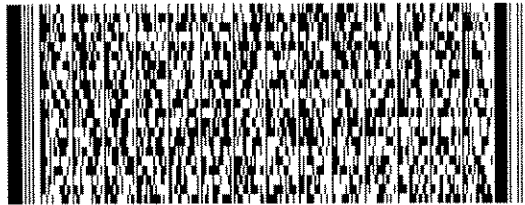
Ref # MSO #143587
Invoice #
PO #
Dept #

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

MONROVIA, CA 91016

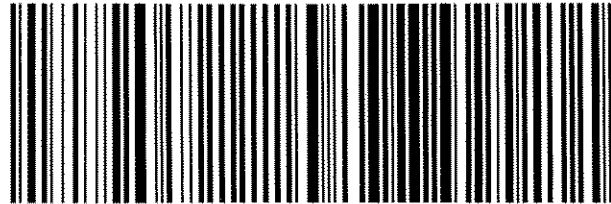
TRK# 7963 9099 8944
0201

TUE - 03MAR 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#: 266452
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on 03/03/09. 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
2903030142	ART-1	CLO4 TDS	Water	02-mar-2009 05:30:00
2903030143	ART-2	CLO4 TDS	Water	02-mar-2009 05:30:00
2903030144	ART-3	CLO4 TDS	Water	02-mar-2009 05:30:00
2903030145	ART-4	CLO4 TDS	Water	02-mar-2009 05:30:00
2903030146	ART-7	CLO4 TDS	Water	02-mar-2009 05:30:00
2903030147	PC-99R2/R3	CLO4 TDS	Water	02-mar-2009 06:00:00
2903030148	PC-115R	CLO4 TDS	Water	02-mar-2009 06:00:00
2903030149	PC-116R	CLO4 TDS	Water	02-mar-2009 06:00:00
2903030150	SF-1	CLO4 TDS	Water	02-mar-2009 06:00:00
2903030151	PC-117	CLO4 TDS	Water	02-mar-2009 06:00:00
2903030152	PC-118	CLO4 TDS	Water	02-mar-2009 06:00:00
2903030153	PC-119	CLO4 TDS	Water	02-mar-2009 06:00:00
2903030154	PC-120	CLO4 TDS	Water	02-mar-2009 06:00:00
2903030155	PC-121	CLO4 TDS	Water	02-mar-2009 06:00:00
2903030156	PC-133	CLO4 TDS	Water	02-mar-2009 06:00:00
2903030157	ART-9	CLO4 TDS	Water	02-mar-2009 05:30:00

Test Acronym Description

Test Acronym	Description
--------------	-------------

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#: 266452
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
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CLO4	Perchlorate
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TDS	Total Dissolved Solid (TDS)
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Report
Comments
#266452

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#: 2903030154)

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

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

(QC Ref#: 2903030156)

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
#266452

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

Samples Received
03-mar-2009 14:20:12

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2903030142	ART-1				
03/13/09	Perchlorate		482		ug/l	40
03/09/09	Total Dissolved Solid (TDS)		7660	500	mg/l	10
	2903030143	ART-2				
03/14/09	Perchlorate		136000		ug/l	8000
03/09/09	Total Dissolved Solid (TDS)		9880	500	mg/l	10
	2903030144	ART-3				
03/13/09	Perchlorate		337000		ug/l	20000
03/09/09	Total Dissolved Solid (TDS)		8680	500	mg/l	10
	2903030145	ART-4				
03/13/09	Perchlorate		367000		ug/l	20000
03/09/09	Total Dissolved Solid (TDS)		6870	500	mg/l	10
	2903030146	ART-7				
03/14/09	Perchlorate		134000		ug/l	8000
03/09/09	Total Dissolved Solid (TDS)		9820	500	mg/l	10
	2903030147	PC-99R2/R3				
03/14/09	Perchlorate		5860		ug/l	800
03/09/09	Total Dissolved Solid (TDS)		3780	500	mg/l	10
	2903030148	PC-115R				

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#266452

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

Samples Received
03-mar-2009 14:20:12

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2903030148	PC-115R				
03/14/09	Perchlorate		6820		ug/l	800
03/13/09	Total Dissolved Solid (TDS)		3750	500	mg/l	10
	2903030149	PC-116R				
03/14/09	Perchlorate		4980		ug/l	400
03/09/09	Total Dissolved Solid (TDS)		3630	500	mg/l	10
	2903030150	SF-1				
03/09/09	Total Dissolved Solid (TDS)		6020	500	mg/l	10
	2903030151	PC-117				
03/14/09	Perchlorate		2190		ug/l	200
03/09/09	Total Dissolved Solid (TDS)		2920	500	mg/l	10
	2903030152	PC-118				
03/14/09	Perchlorate		6270		ug/l	400
03/09/09	Total Dissolved Solid (TDS)		3830	500	mg/l	10
	2903030153	PC-119				
03/14/09	Perchlorate		3330		ug/l	200
03/06/09	Total Dissolved Solid (TDS)		3460	500	mg/l	10
	2903030154	PC-120				
03/14/09	Perchlorate		1920		ug/l	80

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#266452

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

Samples Received
03-mar-2009 14:20:12

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2903030154	PC-120				
03/15/09		Total Dissolved Solid (TDS)	2720	500	mg/l	10
	2903030155	PC-121				
03/14/09		Perchlorate	1870		ug/l	200
03/06/09		Total Dissolved Solid (TDS)	2710	500	mg/l	10
	2903030156	PC-133				
03/14/09		Perchlorate	1040		ug/l	200
03/15/09		Total Dissolved Solid (TDS)	2550	500	mg/l	10
	2903030157	ART-9				
03/14/09		Perchlorate	346000		ug/l	20000
03/06/09		Total Dissolved Solid (TDS)	7270	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Data Report
#266452

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

Samples Received
03/03/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-1 (2903030142) Sampled on 03/02/09 05:30								
	03/13/09 18:13	477286	(EPA 314	) Perchlorate	482	ug/l	40	10
03/09/09	03/09/09 15:00	477025	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7660	mg/l	10	1
ART-2 (2903030143) Sampled on 03/02/09 05:30								
	03/14/09 07:29	477287	(EPA 314	) Perchlorate	136000	ug/l	8000	2000
03/09/09	03/09/09 15:00	477025	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9880	mg/l	10	1
ART-3 (2903030144) Sampled on 03/02/09 05:30								
	03/13/09 18:13	477286	(EPA 314	) Perchlorate	337000	ug/l	20000	5000
03/09/09	03/09/09 15:00	477025	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8680	mg/l	10	1
ART-4 (2903030145) Sampled on 03/02/09 05:30								
	03/13/09 18:13	477286	(EPA 314	) Perchlorate	367000	ug/l	20000	5000
03/09/09	03/09/09 15:00	477025	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6870	mg/l	10	1
ART-7 (2903030146) Sampled on 03/02/09 05:30								
	03/14/09 00:00	477286	(EPA 314	) Perchlorate	134000	ug/l	8000	2000
03/09/09	03/09/09 15:00	477025	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9820	mg/l	10	1
PC-99R2/R3 (2903030147) Sampled on 03/02/09 06:00								
	03/14/09 00:00	477286	(EPA 314	) Perchlorate	5860	ug/l	800	200
03/09/09	03/09/09 15:00	477025	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3780	mg/l	10	1
PC-115R (2903030148) Sampled on 03/02/09 06:00								
	03/14/09 00:00	477286	(EPA 314	) Perchlorate	6820	ug/l	800	200
03/04/09	03/13/09 15:30	477611	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3750	mg/l	10	1



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Laboratory
Data Report
#266452

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-116R (2903030149) Sampled on 03/02/09 06:00								
	03/14/09 00:00	477286	(EPA 314)	Perchlorate	4980	ug/l	400	100
03/09/09	03/09/09 15:00	477025	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3630	mg/l	10	1
SF-1 (2903030150) Sampled on 03/02/09 06:00								
	03/14/09 00:00	477286	(EPA 314)	Perchlorate	ND	ug/l	10	5
03/09/09	03/09/09 15:00	477025	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6020	mg/l	10	1
PC-117 (2903030151) Sampled on 03/02/09 06:00								
	03/14/09 00:00	477286	(EPA 314)	Perchlorate	2190	ug/l	200	50
03/09/09	03/09/09 15:00	477025	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2920	mg/l	10	1
PC-118 (2903030152) Sampled on 03/02/09 06:00								
	03/14/09 00:00	477286	(EPA 314)	Perchlorate	6270	ug/l	400	100
03/09/09	03/09/09 15:00	477025	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3830	mg/l	10	1
PC-119 (2903030153) Sampled on 03/02/09 06:00								
	03/14/09 00:00	477286	(EPA 314)	Perchlorate	3330	ug/l	200	50
03/06/09	03/06/09 12:00	476188	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3460	mg/l	10	1
PC-120 (2903030154) Sampled on 03/02/09 06:00								
	03/14/09 07:29	477287	(EPA 314)	Perchlorate	1920	ug/l	80	20
03/15/09	03/15/09 10:15	477683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2720 (HA)	mg/l	10	1
PC-121 (2903030155) Sampled on 03/02/09 06:00								
	03/14/09 07:29	477287	(EPA 314)	Perchlorate	1870	ug/l	200	50
03/06/09	03/06/09 12:00	476188	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2710	mg/l	10	1
PC-133 (2903030156) Sampled on 03/02/09 06:00								
	03/14/09 00:00	477286	(EPA 314)	Perchlorate	1040	ug/l	200	50
03/15/09	03/15/09 10:15	477683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2550 (HA)	mg/l	10	1



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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 388 1100
Fax: 626 386 1101
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#266452

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-9 (2903030157)				Sampled on 03/02/09 05:30				
	03/14/09 00:00	477286	(EPA 314	) Perchlorate	346000	ug/l	20000	5000
03/06/09	03/06/09 12:00	476188	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7270	mg/l	10	1



750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3829
Tel: 626 386 1100
Fax: 626 386 1101
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QC Ref #476188 - Total Dissolved Solid (TDS) Analysis Date: 03/06/2009

2903030153	PC-119	Analyzed by: axd
2903030155	PC-121	Analyzed by: axd
2903030157	ART-9	Analyzed by: axd

QC Ref #477025 - Total Dissolved Solid (TDS) Analysis Date: 03/09/2009

2903030142	ART-1	Analyzed by: jrf
2903030143	ART-2	Analyzed by: jrf
2903030144	ART-3	Analyzed by: jrf
2903030145	ART-4	Analyzed by: jrf
2903030146	ART-7	Analyzed by: jrf
2903030147	PC-99R2/R3	Analyzed by: jrf
2903030149	PC-116R	Analyzed by: jrf
2903030150	SF-1	Analyzed by: jrf
2903030151	PC-117	Analyzed by: jrf
2903030152	PC-118	Analyzed by: jrf

QC Ref #477286 - Perchlorate Analysis Date: 03/13/2009

2903030142	ART-1	Analyzed by: ser
2903030144	ART-3	Analyzed by: ser
2903030145	ART-4	Analyzed by: ser
2903030146	ART-7	Analyzed by: ser
2903030147	PC-99R2/R3	Analyzed by: ser
2903030148	PC-115R	Analyzed by: ser
2903030149	PC-116R	Analyzed by: ser
2903030150	SF-1	Analyzed by: ser
2903030151	PC-117	Analyzed by: ser
2903030152	PC-118	Analyzed by: ser
2903030153	PC-119	Analyzed by: ser
2903030156	PC-133	Analyzed by: ser
2903030157	ART-9	Analyzed by: ser

QC Ref #477287 - Perchlorate Analysis Date: 03/14/2009

2903030143	ART-2	Analyzed by: ser
2903030154	PC-120	Analyzed by: ser
2903030155	PC-121	Analyzed by: ser



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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)

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QC Summary
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Tronox LLC - Henderson
(continued)

QC Ref #477611 - Total Dissolved Solid (TDS)

Analysis Date: 03/13/2009

2903030148

PC-115R

Analyzed by: jrf

QC Ref #477683 - Total Dissolved Solid (TDS)

Analysis Date: 03/15/2009

2903030154

PC-120

Analyzed by: jrf

2903030156

PC-133

Analyzed by: jrf



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

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QC Ref #476188 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	03030382	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	242	238	MGL		(0-10)	1.7
LCS1	Total Dissolved Solid (TDS)	175	162	MGL	92.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	702	MGL	100.3	(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)	92.571	100.286	MGL	8.0	(0-20)	

QC Ref #477025 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	03020318	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	3796	4532	MGL		(0-10)	<u>17.7</u>
LCS1	Total Dissolved Solid (TDS)	175	162	MGL	92.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	708	MGL	101.1	(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	101.143	MGL	8.9	(0-20)	

QC Ref #477286 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	03040444	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.6	UGL	94.4	(85-115)	
LCS2	Perchlorate	25.0	23.7	UGL	94.8	(85-115)	
LCS3	Perchlorate	4	3.61	UGL	90.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.1	UGL	88.4	(80-120)	
MSD	Perchlorate	25.0	21.2	UGL	84.8	(80-120)	
RPD_LCS	Perchlorate	94.400	94.800	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	88.400	84.800	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.

Tronox LLC - Henderson
 (continued)

QC Ref #477287 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	03050114	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.2	UGL	92.8	(85-115)	
LCS2	Perchlorate	25.0	23.4	UGL	93.6	(85-115)	
LCS3	Perchlorate	4	3.47	UGL	86.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.5	UGL	86.0	(80-120)	
MSD	Perchlorate	25.0	21.7	UGL	86.8	(80-120)	
RPD_LCS	Perchlorate	92.800	93.600	UGL	0.9	(0-15)	
RPD_MS	Perchlorate	86.000	86.800	UGL	1.0	(0-15)	

QC Ref #477611 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	03130028	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	266	252	MGL		(0-10)	5.4
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	718	MGL	102.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	7	MGL	70.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	100.571	102.571	MGL	2.0	(0-20)	

QC Ref #477683 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	03030341	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	748	714	MGL		(0-10)	4.7
LCS1	Total Dissolved Solid (TDS)	175	168	MGL	96.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	726	MGL	103.7	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			

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MRL_CHK	Total Dissolved Solid (TDS)	10.0	6	MGL	60.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	96.000	103.714	MGL	7.7	(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.