



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 5277)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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

DATE OF ISSUE
May 02 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 269377
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

May 4, 2009

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

Subject: Case Narrative report 269377

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on April 16, 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:

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



269377

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: HT KM

SAMPLE TEMP, RECEIPT AT LAB: B

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: **KERRMCGEE-MP**
 PROJECT JOB # / P.O.#: **Collection Wells Fields - Monthly - SO #12374**
 ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line) (check for yes)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	SAMPLER COMMENTS
10:25	4/15/09	MW-K4		RSW	X		
9:28	4/14/09	ARP-1		RSW	X		
		ARP-2		RSW	X		
		ARP-3		RSW	X		
10:05	4/15/09	ARP-4A		RSW	X		
9:51	4/15/09	ARP-5A		RSW	X		
9:39	4/15/09	ARP-6B		RSW	X		
		ARP-7		RSW	X		
8:30	4/15/09	PC-53		RSW	X		
8:52	4/15/09	PC-103		RSW	X		
8:42	4/15/09	MW-K5		RSW	X		

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

RELINQUISHED BY: Michele Brown SIGNATURE
 RECEIVED BY: J. Trippe SIGNATURE
 RELINQUISHED BY: J. Trippe SIGNATURE
 RECEIVED BY: J. Trippe SIGNATURE

COMPANY/TITLE: **Veolia Water for Tronox LLC - Henderson Plant**
 DATE: **4/15/2009**
 TIME: **12:00pm**



269377

MWLABS USE ONLY:

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

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 20

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

(check for yes)

KERRMCGEE-NIP

Collection Wells Fields - Monthly - SO #12374

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

Sampler Michele Brown

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

Susan Crowley (702) 651-2200

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ANALYSES				SAMPLER COMMENTS
							TDS	CR6010	CL03	NO3	
			M-83	RSW	X		X	X			No Sample
7:48	4/15/09		M-87	RSW	X		X	X			
9:30	4/15/09		PC-98R	RSW	X		X	X			
8:07	4/14/09		PC-86	RSW	X		X	X			
7:53	4/14/09		PC-90	RSW	X		X	X			
6:00	4/14/09		PC-56	RSW	X		X	X			
5:52	4/14/09		PC-58	RSW	X		X	X			
6:09	4/14/09		PC-59	RSW	X		X	X			
6:04	4/14/09		PC-60	RSW	X		X	X			
6:14	4/14/09		PC-62	RSW	X		X	X			
6:20	4/14/09		PC-88	RSW	X		X	X			
			PC-122	RSW	X		X	X			NO SAMPLE

Reported by Volume:

CFW = Chlor(amin)ated 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

RELINQUISHED BY: [Signature]

RECEIVED BY: Michele Brown

RELINQUISHED BY: [Signature]

RECEIVED BY: [Signature]

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

269377
269377

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JF/sn

SAMPLE TEMP, RECEIPT AT LAB: 20

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

KERRMCGEE-MP

Sampler: Michele Brown

PROJECT JOB # / P.O.#

Collection Wells Fields - Monthly - SO #2374

Tronox LLC - Henderson Plant

PO Box 55

Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

(check for yes)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO ₂	TDS	CR6010	CLO ₃	NO ₃	SAMPLER COMMENTS
8:25	4/14/09		PC-91	RSW	X		X	X				
7:40	4/14/09		PC-97	RSW	X		X	X				
			PC-17	RSW	X		X	X				NO SAMPLE
9:57	4/14/09		PC-18	RSW	X		X	X				
11:30	4/14/09		PC-55	RSW	X		X	X				
9:05	4/14/09		PC-101R	RSW	X		X	X				NO SAMPLE
			L-635	RSW	X		X	X				NO SAMPLE
			L-637	RSW	X		X	X				NO SAMPLE

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water

FW = Other Finished Water

Reported by Weight:

CWW = Chlorinated Waste Water

WW = Other Waste Water

SW = Storm Water

Reported by Weight:

SO = Soil

SL = Sludge

SIGNATURE

RELINQUISHED BY: [Signature]

RECEIVED BY:

PRINT NAME

Michele Brown

[Signature]

COMPANY/TITLE

Veolia Water for Tronox LLC - Henderson Plant

[Signature]

DATE

4/15/2009

4-16

TIME

1200pm

10:30



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

Bottle Order for Tronox 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# GWREMEDIATION
Blanket PO

Period M Monthly

SO# 47274 12374 RS **Sampler: Please Return this Paper with your samples**

Created by GJY

Order Date 03/16/09
Ship Sample Kits to Veolia Water-Tronox LLC
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
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

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
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 changed 7/25/03
				9/9/03

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



J06110901282823

Ship Date: 15APR09
 ActWgt: 35.0 LB
 CAD: 2274147/INET9011
 Account#: S *****

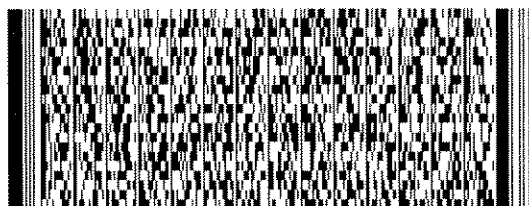
Delivery Address Bar Code



Ref # MSO #143649
 Invoice #
 PO #
 Dept #

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

MONROVIA, CA 91016

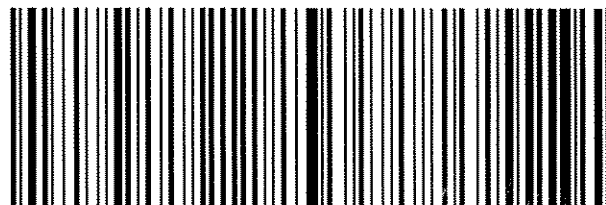


TRK# 7975 1007 0470
 0201

THU - 16APR 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.

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: 143649

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 4/15/09	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 ART and PC Well Samples One Ice Chest @ 35 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
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 35	TOTAL TARE WEIGHT 0	35	
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

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#: 269377
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **04/16/09**. 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
2904160331	MW-K4	CLO4 TDS	Water	15-apr-2009 10:25:00
2904160332	ARP-1	CLO4 TDS	Water	14-apr-2009 09:28:00
2904160333	ARP-4A	CLO4 TDS	Water	15-apr-2009 10:05:00
2904160334	ARP-5A	CLO4 TDS	Water	15-apr-2009 09:51:00
2904160335	ARP-6B	CLO4 TDS	Water	15-apr-2009 09:39:00
2904160336	PC-53	CLO4 TDS	Water	15-apr-2009 08:30:00
2904160337	PC-103	CLO4 TDS	Water	15-apr-2009 08:52:00
2904160338	MW-K5	CLO4 TDS	Water	15-apr-2009 08:42:00
2904160339	M-87	CLO4 TDS	Water	15-apr-2009 07:48:00
2904160340	PC-98R	CLO4 TDS	Water	15-apr-2009 09:30:00
2904160341	PC-86	CLO4 TDS	Water	14-apr-2009 08:07:00
2904160342	PC-90	CLO4 TDS	Water	14-apr-2009 07:53:00
2904160343	PC-56	CLO4 TDS	Water	14-apr-2009 06:00:00
2904160344	PC-58	CLO4 TDS	Water	14-apr-2009 05:52:00
2904160345	PC-59	CLO4 TDS	Water	14-apr-2009 06:09:00
2904160346	PC-60	CLO4 TDS	Water	14-apr-2009 06:04:00
2904160347	PC-62	CLO4 TDS	Water	14-apr-2009 06:14:00

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#: 269377
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2904160348	PC-68	CLO4 TDS	Water	14-apr-2009 06:20:00
2904160349	PC-91	CLO4 TDS	Water	14-apr-2009 08:25:00
2904160350	PC-97	CLO4 TDS	Water	14-apr-2009 07:40:00
2904160351	PC-18	CLO4 TDS	Water	14-apr-2009 09:57:00
2904160352	PC-55	CLO4 TDS	Water	14-apr-2009 11:30:00
2904160353	PC-101R	CLO4 TDS	Water	14-apr-2009 09:05:00

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
Menrovia, California 91016-3629
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1 800 566 LABS (1 800 566 5227)

Report
Comments
#269377

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: _____ *A. Eaton*



MWH Laboratories

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Laboratory
Hits Report
#269377

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

Samples Received
16-apr-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2904160331	MW-K4				
04/22/09	Perchlorate		159000		ug/l	8000
04/22/09	Total Dissolved Solid (TDS)		6420	500	mg/l	10
	2904160332	ARP-1				
04/24/09	Perchlorate		1230		ug/l	80
04/20/09	Total Dissolved Solid (TDS)		6510	500	mg/l	10
	2904160333	ARP-4A				
04/22/09	Perchlorate		26500		ug/l	2000
04/22/09	Total Dissolved Solid (TDS)		4492	500	mg/l	10
	2904160334	ARP-5A				
04/22/09	Perchlorate		21800		ug/l	2000
04/22/09	Total Dissolved Solid (TDS)		6196	500	mg/l	10
	2904160335	ARP-6B				
04/22/09	Perchlorate		14600		ug/l	800
04/22/09	Total Dissolved Solid (TDS)		9040	500	mg/l	10
	2904160336	PC-53				
04/22/09	Perchlorate		3530		ug/l	200
04/22/09	Total Dissolved Solid (TDS)		4848	500	mg/l	10
	2904160337	PC-103				

SUMMARY OF POSITIVE DATA ONLY.



750 Royal Oaks Drive, Suite 100
 Monrovia, California 91016-3629
 Tel: 626 386 1100
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Laboratory
 Hits Report
 #269377

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

Samples Received
 16-apr-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2904160337	PC-103				
04/22/09	Perchlorate		13600		ug/l	800
04/22/09	Total Dissolved Solid (TDS)		5810	500	mg/l	10
	2904160338	MW-K5				
04/22/09	Perchlorate		10900		ug/l	800
04/22/09	Total Dissolved Solid (TDS)		7280	500	mg/l	10
	2904160339	M-87				
04/22/09	Perchlorate		323000		ug/l	20000
04/22/09	Total Dissolved Solid (TDS)		4120	500	mg/l	10
	2904160340	PC-98R				
04/22/09	Perchlorate		17400		ug/l	2000
04/22/09	Total Dissolved Solid (TDS)		7380	500	mg/l	10
	2904160341	PC-86				
04/24/09	Perchlorate		1400		ug/l	80
04/20/09	Total Dissolved Solid (TDS)		2552	500	mg/l	10
	2904160342	PC-90				
04/24/09	Perchlorate		7060		ug/l	800
04/20/09	Total Dissolved Solid (TDS)		3880	500	mg/l	10
	2904160343	PC-56				

SUMMARY OF POSITIVE DATA ONLY.



750 Foyal Oaks Drive, Suite 100
 Monrovia, California 91018-3629
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Laboratory
 Hits Report
 #269377

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

Samples Received
 16-apr-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2904160343	PC-56				
04/24/09	Perchlorate		1700		ug/l	400
04/20/09	Total Dissolved Solid (TDS)		2070	500	mg/l	10
	2904160344	PC-58				
04/24/09	Perchlorate		8990		ug/l	400
04/20/09	Total Dissolved Solid (TDS)		7820	500	mg/l	10
	2904160345	PC-59				
04/24/09	Perchlorate		6170		ug/l	400
04/20/09	Total Dissolved Solid (TDS)		4588	500	mg/l	10
	2904160346	PC-60				
04/24/09	Perchlorate		6400		ug/l	400
04/20/09	Total Dissolved Solid (TDS)		4240	500	mg/l	10
	2904160347	PC-62				
04/24/09	Perchlorate		2540		ug/l	200
04/20/09	Total Dissolved Solid (TDS)		3056	500	mg/l	10
	2904160348	PC-68				
04/25/09	Perchlorate		24		ug/l	20
04/20/09	Total Dissolved Solid (TDS)		2100	500	mg/l	10
	2904160349	PC-91				

SUMMARY OF POSITIVE DATA ONLY.



750 Royal Oaks Drive, Suite 100
 Monrovia, California 91016-3629
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 Fax: 626 386 1101
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Laboratory
 Hits Report
 #269377

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

Samples Received
 16-apr-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2904160349	PC-91				
04/28/09	Perchlorate		30400		ug/l	2000
04/20/09	Total Dissolved Solid (TDS)		7970	500	mg/l	10
	2904160350	PC-97				
04/28/09	Perchlorate		430		ug/l	40
04/20/09	Total Dissolved Solid (TDS)		2500	500	mg/l	10
	2904160351	PC-18				
04/28/09	Perchlorate		192000		ug/l	20000
04/20/09	Total Dissolved Solid (TDS)		10300	500	mg/l	10
	2904160352	PC-55				
04/28/09	Perchlorate		831		ug/l	80
04/20/09	Total Dissolved Solid (TDS)		8420	500	mg/l	10
	2904160353	PC-101R				
04/28/09	Perchlorate		196000		ug/l	20000
04/20/09	Total Dissolved Solid (TDS)		10480	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Data Report
#269377

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

Samples Received
04/16/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MW-K4 (2904160331)				Sampled on 04/15/09 10:25				
	04/22/09 00:00	481670	(EPA 314)	Perchlorate	159000	ug/l	8000	2000
04/22/09	04/22/09 14:45	482549	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6420	mg/l	10	1
ARP-1 (2904160332)				Sampled on 04/14/09 09:28				
	04/24/09 17:23	482441	(EPA 314)	Perchlorate	1230	ug/l	80	20
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6510	mg/l	10	1
ARP-4A (2904160333)				Sampled on 04/15/09 10:05				
	04/22/09 00:00	481670	(EPA 314)	Perchlorate	26500	ug/l	2000	500
04/22/09	04/22/09 14:45	482549	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4492	mg/l	10	1
ARP-5A (2904160334)				Sampled on 04/15/09 09:51				
	04/22/09 00:00	481670	(EPA 314)	Perchlorate	21800	ug/l	2000	500
04/22/09	04/22/09 14:45	482549	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6196	mg/l	10	1
ARP-6B (2904160335)				Sampled on 04/15/09 09:39				
	04/22/09 00:00	481670	(EPA 314)	Perchlorate	14600	ug/l	800	200
04/22/09	04/22/09 14:45	482549	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9040	mg/l	10	1
PC-53 (2904160336)				Sampled on 04/15/09 08:30				
	04/22/09 00:00	481670	(EPA 314)	Perchlorate	3530	ug/l	200	50
04/22/09	04/22/09 14:45	482549	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4848	mg/l	10	1
PC-103 (2904160337)				Sampled on 04/15/09 08:52				
	04/22/09 00:00	481670	(EPA 314)	Perchlorate	13600	ug/l	800	200
04/22/09	04/22/09 14:45	482549	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5810	mg/l	10	1



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Tronox LLC - Henderson
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MW-K5 (2904160338)				Sampled on 04/15/09 08:42				
	04/22/09 00:00	481670	(EPA 314)	Perchlorate	10900	ug/l	800	200
04/22/09	04/22/09 14:45	482549	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7280	mg/l	10	1
M-87 (2904160339)				Sampled on 04/15/09 07:48				
	04/22/09 00:00	481670	(EPA 314)	Perchlorate	323000	ug/l	20000	5000
04/22/09	04/22/09 14:45	482549	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4120	mg/l	10	1
PC-98R (2904160340)				Sampled on 04/15/09 09:30				
	04/22/09 00:00	481670	(EPA 314)	Perchlorate	17400	ug/l	2000	500
04/22/09	04/22/09 14:45	482549	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7380	mg/l	10	1
PC-86 (2904160341)				Sampled on 04/14/09 08:07				
	04/24/09 17:23	482441	(EPA 314)	Perchlorate	1400	ug/l	80	20
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2552	mg/l	10	1
PC-90 (2904160342)				Sampled on 04/14/09 07:53				
	04/24/09 17:23	482441	(EPA 314)	Perchlorate	7060	ug/l	800	200
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3880	mg/l	10	1
PC-56 (2904160343)				Sampled on 04/14/09 06:00				
	04/24/09 17:23	482441	(EPA 314)	Perchlorate	1700	ug/l	400	100
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2070	mg/l	10	1
PC-58 (2904160344)				Sampled on 04/14/09 05:52				
	04/24/09 17:23	482441	(EPA 314)	Perchlorate	8990	ug/l	400	100
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7820	mg/l	10	1
PC-59 (2904160345)				Sampled on 04/14/09 06:09				
	04/24/09 17:23	482441	(EPA 314)	Perchlorate	6170	ug/l	400	100
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4588	mg/l	10	1



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#269377

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-60 (2904160346) Sampled on 04/14/09 06:04								
	04/24/09 17:23	482441	(EPA 314)	Perchlorate	6400	ug/l	400	100
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4240	mg/l	10	1
PC-62 (2904160347) Sampled on 04/14/09 06:14								
	04/24/09 17:23	482441	(EPA 314)	Perchlorate	2540	ug/l	200	50
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3056	mg/l	10	1
PC-68 (2904160348) Sampled on 04/14/09 06:20								
	04/25/09 00:00	482441	(EPA 314)	Perchlorate	24	ug/l	20	5
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2100	mg/l	10	1
PC-91 (2904160349) Sampled on 04/14/09 08:25								
	04/28/09 15:49	482656	(EPA 314)	Perchlorate	30400	ug/l	2000	500
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7970	mg/l	10	1
PC-97 (2904160350) Sampled on 04/14/09 07:40								
	04/28/09 15:49	482656	(EPA 314)	Perchlorate	430	ug/l	40	10
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2500	mg/l	10	1
PC-18 (2904160351) Sampled on 04/14/09 09:57								
	04/28/09 15:49	482656	(EPA 314)	Perchlorate	192000	ug/l	20000	5000
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10300	mg/l	10	1
PC-55 (2904160352) Sampled on 04/14/09 11:30								
	04/28/09 15:49	482656	(EPA 314)	Perchlorate	831	ug/l	80	20
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8420	mg/l	10	1
PC-101R (2904160353) Sampled on 04/14/09 09:05								
	04/28/09 15:49	482656	(EPA 314)	Perchlorate	196000	ug/l	20000	5000
04/20/09	04/20/09 17:30	481966	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10480	mg/l	10	1



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Tronox LLC - Henderson

QC Ref #481670 - Perchlorate

Analysis Date: 04/22/2009

2904160331	MW-K4	Analyzed by: ser
2904160333	ARP-4A	Analyzed by: ser
2904160334	ARP-5A	Analyzed by: ser
2904160335	ARP-6B	Analyzed by: ser
2904160336	PC-53	Analyzed by: ser
2904160337	PC-103	Analyzed by: ser
2904160338	MW-K5	Analyzed by: ser
2904160339	M-87	Analyzed by: ser
2904160340	PC-98R	Analyzed by: ser

QC Ref #481966 - Total Dissolved Solid (TDS)

Analysis Date: 04/20/2009

2904160332	ARP-1	Analyzed by: jrf
2904160341	PC-86	Analyzed by: jrf
2904160342	PC-90	Analyzed by: jrf
2904160343	PC-56	Analyzed by: jrf
2904160344	PC-58	Analyzed by: jrf
2904160345	PC-59	Analyzed by: jrf
2904160346	PC-60	Analyzed by: jrf
2904160347	PC-62	Analyzed by: jrf
2904160348	PC-68	Analyzed by: jrf
2904160349	PC-91	Analyzed by: jrf
2904160350	PC-97	Analyzed by: jrf
2904160351	PC-18	Analyzed by: jrf
2904160352	PC-55	Analyzed by: jrf
2904160353	PC-101R	Analyzed by: jrf

QC Ref #482441 - Perchlorate

Analysis Date: 04/24/2009

2904160332	ARP-1	Analyzed by: ser
2904160341	PC-86	Analyzed by: ser
2904160342	PC-90	Analyzed by: ser
2904160343	PC-56	Analyzed by: ser
2904160344	PC-58	Analyzed by: ser
2904160345	PC-59	Analyzed by: ser
2904160346	PC-60	Analyzed by: ser
2904160347	PC-62	Analyzed by: ser
2904160348	PC-68	Analyzed by: ser



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Tronox LLC - Henderson
(continued)

QC Ref #482549 - Total Dissolved Solid (TDS) Analysis Date: 04/22/2009

2904160331	MW-K4	Analyzed by: jrf
2904160333	ARP-4A	Analyzed by: jrf
2904160334	ARP-5A	Analyzed by: jrf
2904160335	ARP-6B	Analyzed by: jrf
2904160336	PC-53	Analyzed by: jrf
2904160337	PC-103	Analyzed by: jrf
2904160338	MW-K5	Analyzed by: jrf
2904160339	M-87	Analyzed by: jrf
2904160340	PC-98R	Analyzed by: jrf

QC Ref #482656 - Perchlorate Analysis Date: 04/28/2009

2904160349	PC-91	Analyzed by: ser
2904160350	PC-97	Analyzed by: ser
2904160351	PC-18	Analyzed by: ser
2904160352	PC-55	Analyzed by: ser
2904160353	PC-101R	Analyzed by: ser



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QC Report
#269377

Tronox LLC - Henderson

QC Ref #481670

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	04070453	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.5	UGL	98.0	(85-115)	
LCS2	Perchlorate	25.0	24.1	UGL	96.4	(85-115)	
LCS3	Perchlorate	4	4.03	UGL	100.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.8	UGL	99.2	(80-120)	
MSD	Perchlorate	25.0	25.3	UGL	101.2	(80-120)	
RPD_LCS	Perchlorate	98.000	96.400	UGL	1.6	(0-15)	
RPD_MS	Perchlorate	99.200	101.200	UGL	1.0	(0-15)	

QC Ref #481966

Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04160020	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	624	634	MGL		(0-10)	1.6
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	684	MGL	97.7	(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)	97.143	97.714	MGL	0.6	(0-20)	

QC Ref #482441

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	04210125	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.4	UGL	97.6	(85-115)	
LCS2	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS3	Perchlorate	4	4.07	UGL	101.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.7	UGL	94.8	(80-120)	
MSD	Perchlorate	25.0	23.5	UGL	94.0	(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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Tronox LLC - Henderson
(continued)

RPD_LCS	Perchlorate	97.600	98.400	UGL	0.8	(0-15)
RPD_MS	Perchlorate	94.800	94.000	UGL	1.0	(0-15)

QC Ref #482549 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04150106	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	810	810	MGL		(0-10)	0.0
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	(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)	101.714	98.857	MGL	2.8	(0-20)	

QC Ref #482656 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	04240050	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.2	UGL	96.8	(85-115)	
LCS2	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS3	Perchlorate	4	3.85	UGL	96.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.5	UGL	90.0	(80-120)	
MSD	Perchlorate	25.0	23.0	UGL	92.0	(80-120)	
RPD_LCS	Perchlorate	96.800	98.400	UGL	1.6	(0-15)	
RPD_MS	Perchlorate	90.000	92.000	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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are advisory only, unless otherwise specified in the method.