



# 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 23 2009  
MWH LABORATORIES

ADE Andy Eaton  
Project Manager



01114CA

Report#: 270989

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 9 page[s].



**MWH**

*BUILDING A BETTER WORLD*

June 24, 2009

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

Subject: Case Narrative report 270989

Sample receipt: The samples arrived at MWH on May 20, 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



# MONTGOMERY WATSON LABORATORIES CHAIN OF CUSTODY RECORD

270989

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

MWLABS USE ONLY:

SAMPLES CHECKED/LOGGED IN BY: JS  
LOGIN COMMENTS: 3°  
SAMPLE TEMP, RECEIPT AT LAB: 3°  
BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)		SAMPLER COMMENTS	
Tronox LLC Annual Groundwater Sampling - April / May		Tronox LLC PO Box 55 Henderson, NV 89009					
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	
0924	5-19-09	FB051909		RGW	X		Total Cr not Hex
1018	5-19-09	HSS		RGW	X		
1027	5-19-09	EB051909		RGW	X		
1110	5-19-09	FB051909-2		RGW	X		
1140	5-19-09	PC-82		RGW	X		

**\* MATRIX TYPES:**  
 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 Volume:**  
 Reported by Weight:  
 SO = Soil  
 SL = Sludge

RELINQUISHED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	<u>Joe Sanchez</u>	Joe Sanchez	GEES / GEOLGIST	5-19-09	1424
RELINQUISHED BY:	<u>Joe Sanchez</u>	Joe Sanchez	PAWH	52007	10:50
RECEIVED BY:					



Mwrl Laboratories, a Division of MWH Americas, Inc.  
 750 Royal Oaks Avenue Suite 100  
 Montrovia 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 KERRMCREE-MP M Monthly Period

Project Code CLO4  
 PO# / Job# GWREMEDICATION  
 Blanket PO

SO# 47684 12374 RS

**Sampler: Please Return this Paper with your samples**

Created by GJY

Order Date 04/16/09  
 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

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

Billing Address

Tronox 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

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
				<b>Do NOT</b> prelabel bottles with site, but provide pre-printed labels for client to stick on
				EXTRA BOTTLES INCLUDED
				client code changed 7/25/03
				bottle order and IDs updated 9/9/03

From: Origin ID: LASA (702) 651-2234  
 Susan Crowley  
 Tronox  
 8000 West Lake Mead Parkway

Henderson, NV 89015



J99110901302023

Ship Date: 18MAY09  
 ActWgt: 50.0 LB  
 CAD: 7219287//NET9011  
 Account#: S \*\*\*\*\*

Delivery Address Bar Code



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

SHIP TO: (626) 386-1100

BILL SENDER

**Sample Receiving**

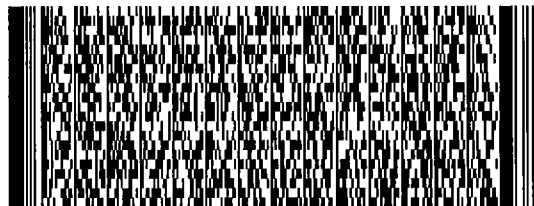
**MWH Labs**

**750 ROYAL OAKS DR STE 100**

**MONROVIA, CA 91016**

**TUE - 19MAY A2**  
**PRIORITY OVERNIGHT**

TRK# 7966 1759 8581  
 0201



**91016**  
**CA-US**  
**BUR**

**QZ WHPA**



**After printing this label:**

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

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

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

**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#: 270989  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on 05/20/09. 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
2905200126	FB0151909	CLO4 CR	Water	19-may-2009 09:24:00
2905200127	HSS	CLO4 TDS	Water	19-may-2009 10:18:00
2905200128	EB051909	CLO4 TDS	Water	19-may-2009 10:27:00
2905200129	FB051909-2	CLO4 CR	Water	19-may-2009 11:10:00
2905200139	PC-82	CLO39056 CLO4	Water	19-may-2009 11:40:00
			NO39056 TDS	

Test Acronym Description

Test Acronym	Description
CLO39056	Chlorate by IC
CLO4	Perchlorate
CR	Chromium, Total, ICAP
NO39056	Nitrate as Nitrogen by IC
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)



**MWH Laboratories**

A Division of MWH Americas, Inc.

751 Royal Oaks Drive, Suite 100

Monrovia, California 91016-3629

Tel: 626 386 1100

Fax: 626 386 7100

1 800 368 1000 / 1 800 561 5000

Report  
Comments  
#270989

### 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  
Menlo Park, California 91016-3629  
Tel: 626-396 1100  
Fax: 626-396 1101  
1-800-396-1100

Laboratory  
Hits Report  
#270989

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

Samples Received  
20-may-2009 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905200126	FB0151909				
	2905200127	H-55				
06/10/09	Perchlorate		17		ug/l	4.0
05/23/09	Total Dissolved Solid (TDS)		3370	500	mg/l	10
	2905200128	EB051909				
	2905200129	FB051909-2				
	2905200139	PC-82				
06/12/09	Chlorate by IC		208		ug/l	50
06/04/09	Perchlorate		778		ug/l	200
05/26/09	Total Dissolved Solid (TDS)		3208	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.





**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  
Data Report  
#270989

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

Samples Received  
05/20/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>FB0151909 (2905200126)                      Sampled on 05/19/09 09:24</b>								
	06/09/09 00:00	487685	( EPA 314 )	Perchlorate	ND	ug/l	4.0	1
06/09/09	06/09/09 18:49	487360	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.010	1
<b>H-55 (2905200127)                      Sampled on 05/19/09 10:18</b>								
	06/10/09 16:07	487704	( EPA 314 )	Perchlorate	17	ug/l	4.0	1
05/23/09	05/23/09 16:35	485784	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	3370	mg/l	10	1
<b>EB051909 (2905200128)                      Sampled on 05/19/09 10:27</b>								
	06/09/09 00:00	487685	( EPA 314 )	Perchlorate	ND	ug/l	4.0	1
05/23/09	05/23/09 16:35	485784	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	ND	mg/l	10	1
<b>FB051909-2 (2905200129)                      Sampled on 05/19/09 11:10</b>								
	06/09/09 00:00	487685	( EPA 314 )	Perchlorate	ND	ug/l	4.0	1
06/09/09	06/09/09 00:00	487356	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.010	1
<b>PC-82 (2905200139)                      Sampled on 05/19/09 11:40</b>								
	06/12/09 00:00	487796	( ML/EPA 9056 )	Chlorate by IC	208	ug/l	50	5
	06/04/09 00:00	487085	( EPA 314 )	Perchlorate	778	ug/l	200	50
	05/21/09 04:41	485619	( ML/EPA 9056 )	Nitrate as Nitrogen by IC	ND	mg/l	1.0	10
05/26/09	05/26/09 16:10	486585	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	3208	mg/l	10	1



# MWH Laboratories

A Division of MWH Americas, Inc.

730 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3629  
Tel: 626 386 1100  
Fax: 626 386 1101

Laboratory  
QC Summary  
#270989

Tronox LLC - Henderson

QC Ref #485619	- Nitrate as Nitrogen by IC	Analysis Date: 05/21/2009
2905200139	PC-82	Analyzed by: vxt
QC Ref #485784	- Total Dissolved Solid (TDS)	Analysis Date: 05/23/2009
2905200127	H-55	Analyzed by: axd
2905200128	EB051909	Analyzed by: axd
QC Ref #486585	- Total Dissolved Solid (TDS)	Analysis Date: 05/26/2009
2905200139	PC-82	Analyzed by: jrf
QC Ref #487085	- Perchlorate	Analysis Date: 06/04/2009
2905200139	PC-82	Analyzed by: ser
QC Ref #487356	- Chromium, Total, ICAP	Analysis Date: 06/09/2009
2905200129	FB051909-2	Analyzed by: csk
QC Ref #487360	- Chromium, Total, ICAP	Analysis Date: 06/09/2009
2905200126	FB0151909	Analyzed by: csk
QC Ref #487685	- Perchlorate	Analysis Date: 06/09/2009
2905200126	FB0151909	Analyzed by: ser
2905200128	EB051909	Analyzed by: ser
2905200129	FB051909-2	Analyzed by: ser
QC Ref #487704	- Perchlorate	Analysis Date: 06/10/2009
2905200127	H-55	Analyzed by: ser



**MWH Laboratories**

*A Division of MWH Americas, Inc.*

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91018-3629  
Tel: 626 386 1100  
Fax: 626 386 1101  
1 800 566 LABS (1 800 566 5227)

Laboratory  
QC Summary  
#270989

Tronox LLC - Henderson  
(continued)

---

QC Ref #487796 - Chlorate by IC

Analysis Date: 06/12/2009

2905200139

PC-82

Analyzed by: ser

Tronox LLC - Henderson

QC Ref #485619 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05200051	MGL		( 0-0 )	
LCS1	Nitrate as Nitrogen by IC	2.5	2.38	MGL	95.2	( 90-110 )	
LCS2	Nitrate as Nitrogen by IC	2.5	2.37	MGL	94.8	( 90-110 )	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.048	MGL	96.0	( 50-150 )	
MS	Nitrate as Nitrogen by IC	1.25	1.28	MGL	102.4	( 87-121 )	
MSD	Nitrate as Nitrogen by IC	1.25	1.25	MGL	100.0	( 87-121 )	
RPD_LCS	Nitrate as Nitrogen by IC	95.200	94.800	MGL	0.4	( 0-20 )	
RPD_MS	Nitrate as Nitrogen by IC	102.400	100.000	MGL	2.4	( 0-20 )	

QC Ref #485784 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05210148	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	896	860	MGL		( 0-10 )	4.1
LCS1	Total Dissolved Solid (TDS)	175	168	MGL	96.0	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	666	MGL	95.1	( 80-114 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	96.000	95.143	MGL	0.9	( 0-20 )	

QC Ref #486585 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05210034	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	436	428	MGL		( 0-10 )	1.9
LCS1	Total Dissolved Solid (TDS)	175	188	MGL	107.4	( 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	11	MGL	110.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	107.429	98.857	MGL	8.3	( 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.



# MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3629  
Tel: 626 385 1100  
Fax: 626 386 1101  
1 800 685 1000

Laboratory  
QC Report  
#27048

Tronox LLC - Henderson  
(continued)

## QC Ref #487085 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	05200013	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.2	UGL	100.8	( 85-115 )	
LCS2	Perchlorate	25.0	26.2	UGL	104.8	( 85-115 )	
LCS3	Perchlorate	4	4.93	UGL	123.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	26.8	UGL	107.2	( 80-120 )	
MSD	Perchlorate	25.0	28.9	UGL	115.6	( 80-120 )	
RPD_LCS	Perchlorate	100.800	104.800	UGL	3.9	( 0-15 )	
RPD_MS	Perchlorate	107.200	115.600	UGL	1.1	( 0-15 )	

## QC Ref #487356 Chromium, Total, ICAP

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

## QC Ref #487360 Chromium, Total, ICAP

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

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



# MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100  
Menlo Park, California 91016-3629  
Tel: 650 386 1100  
Fax: 650 386 1101

## Laboratory QC Report

### Tronox LLC - Henderson (continued)

MBLK	Chromium, Total, ICAP	ND	<0.010	MGL		
MRL_CHK	Chromium, Total, ICAP	0.010	0.0112	MGL	112.0	( 50-150 )
MS	Chromium, Total, ICAP	1.00	0.977	MGL	97.7	( 70-130 )
MS2	Chromium, Total, ICAP	1.00	0.904	MGL	90.4	( 70-130 )
MSD	Chromium, Total, ICAP	1.00	1.010	MGL	101.0	( 70-130 )
MSD2	Chromium, Total, ICAP	1.00	0.864	MGL	86.4	( 70-130 )

### QC Ref #487685 Perchlorate

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

### QC Ref #487704 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	06020001	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.9	UGL	95.6	( 85-115 )	
LCS2	Perchlorate	25.0	24.5	UGL	98.0	( 85-115 )	
LCS3	Perchlorate	4	4.98	UGL	124.5	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	35.0	34.4	UGL	98.3	( 80-120 )	
MSD	Perchlorate	35.0	34.2	UGL	97.7	( 80-120 )	
RPD_LCS	Perchlorate	95.600	98.000	UGL	2.5	( 0-15 )	
RPD_MS	Perchlorate	98.286	97.714	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.



**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  
QC Report  
#70989

Tronox LLC - Henderson  
(continued)

QC Ref #487796

Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	06020141	UGL		( 0-0 )	
LCS1	Chlorate by IC	100	100	UGL	100.0	( 90-110 )	
LCS2	Chlorate by IC	100	99.2	UGL	99.2	( 90-110 )	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.0	9.29	UGL	92.9	( 50-150 )	
MS	Chlorate by IC	100	103	UGL	103.0	( 75-125 )	
MSD	Chlorate by IC	100	101	UGL	101.0	( 75-125 )	
RPD_LCS	Chlorate by IC	100.000	99.200	UGL	0.8	( 0-20 )	
RPD_MS	Chlorate by IC	103.000	101.000	UGL	2.0	( 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.