



# 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 Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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

DATE OF ISSUE  
Jun 18 2009  
MWH LABORATORIES

ADE Andy Eaton  
Project Manager



Report#: 271325  
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 5 page[s].



**MWH**

**BUILDING A BETTER WORLD**

June 19, 2009

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

Subject: Case Narrative report 271325

Sample receipt: The samples arrived at MWH on may 29, 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





SO# 47684 12374 RS **Sampler: Please Return this Paper with your samples**

Created by GJY 0

Order Date 04/16/09

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to

Veolia Water-Tronox LLC  
Gate 1  
8000 West Lake Mead Drive  
Henderson, NV 89015

ATTN: Susan Crowley  
PHONE: 702-651-2234

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

Send Report to

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

Billing Address

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

Quote#

GJY

# of Samples Tests

Bottles-Qty for each sample, type & preservative if any

UN#

Important Comments

#	ActiveCode	Status	Date Shipped	Carrier	Qty of Coolers	Tracking Number	Created By
41	CLO4, TDS	-	-	-	1	250 ml poly /no preservative	-
-	SHEET OF LABELS WITH WELL-IDS	-	-	-	see comments section	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
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These sites are monthly till further notice.  
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 and IDs updated 9/9/03

From: Origin ID: LASA (702) 651-2230  
 Tronox  
 Tronox  
 8000 W. Lake Mead Parkway  
 Henderson, NV 89015



J90110301302023

Ship Date: 28MAY09  
 ActWgt: 29.0 LB  
 CAD: 100845854/INET9011  
 Account#: S \*\*\*\*\*

Delivery Address Bar Code



Ref # Annual Water Sampling-10181.23  
 Invoice #  
 PO #  
 Dept #

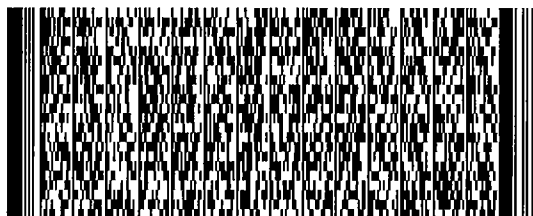
SHIP TO: (626) 568-6400 BILL SENDER

Attn: Sample Receiving  
 Montgomery Watson Labs  
 750 ROYAL OAKS DR # 100

MONROVIA, CA 91016

FRI - 29MAY A2  
 PRIORITY OVERNIGHT

TRK# 7966 4665 4515  
 0201



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#: 271325  
Project#: CLO4  
Proj Mgr: Andrew Eaton  
Phone: (626) 386-1125

The following samples were received from you on **05/29/09**. 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
2905290074	AA-01	CLO4 TDS	Water	28-may-2009 07:37:00

Test Acronym Description

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



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Report  
Comments  
#271325

**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. E. [unclear]*



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Laboratory  
Hits Report  
#271325

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

Samples Received  
29-may-2009 14:39:25

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2905290074	AA-01				
06/17/09	Perchlorate		1950		ug/l	200
06/03/09	Total Dissolved Solid (TDS)		3600	500	mg/l	10





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Laboratory  
Data Report  
#271325

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

Samples Received  
05/29/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>AA-01 (2905290074)</b>				<b>Sampled on 05/28/09 07:37</b>				
	06/17/09 00:00	488139	( EPA 314 )	Perchlorate	1950	ug/l	200	50
06/03/09	06/03/09 16:05	487336	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	3600	mg/l	10	1



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Laboratory  
QC Summary  
#271325

Tronox LLC - Henderson

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QC Ref #487336 - Total Dissolved Solid (TDS) Analysis Date: 06/03/2009

2905290074

AA-01

Analyzed by: jrf

QC Ref #488139 - Perchlorate

Analysis Date: 06/17/2009

2905290074

AA-01

Analyzed by: ser



Tronox LLC - Henderson

QC Ref #487336                      Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	05290074	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	3620	3600	MGL		( 0-10 )	0.6
LCS1	Total Dissolved Solid (TDS)	175	180	MGL	102.9	( 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	10	MGL	100.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	102.857	100.286	MGL	2.5	( 0-20 )	

QC Ref #488139                      Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	06110125	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	24.8	UGL	99.2	( 85-115 )	
LCS2	Perchlorate	25.0	24.1	UGL	96.4	( 85-115 )	
LCS3	Perchlorate	4	4.74	UGL	118.5	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.9	UGL	95.6	( 80-120 )	
MSD	Perchlorate	25.0	23.5	UGL	94.0	( 80-120 )	
RPD_LCS	Perchlorate	99.200	96.400	UGL	2.9	( 0-15 )	
RPD_MS	Perchlorate	95.600	94.000	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.