



MWH Laboratories

A Division of MWH Americas, Inc.

750 Foyal 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
Jul 02 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 271999
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 6 page[s].



MWH

BUILDING A BETTER WORLD

July 2, 2009

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

Subject: Case Narrative report 271999

Sample receipt: The samples arrived at MWH on June 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 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



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- 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# 47684 12374 RS

Sampler: Please Return this Paper with your samples

Created by GJY

Ship Sample Kits to

Send Report to

Order Date

Veolia Water-Tronox LLC

Tronox LLC Henderson Plant

04/16/09

Gate 1

P.O. Box 55

Date Needed by Client

8000 West Lake Mead Drive
Henderson, NV 89015

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
-				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

ActiveCode Status Date Shipped Qty of Coolers Tracking Number

From: Origin ID: LASA (702) 651-2230
 Shipping
 Tronox LLC
 8000 Lake Mead parkway
 henderson, NV 89015



Ship Date: 15JUN09
 ActWgt: 50.0 LB
 CAD: 100263135/NET9060
 Account#: S *****
 Dims: 21 X 15 X 15 IN

Delivery Address Bar Code



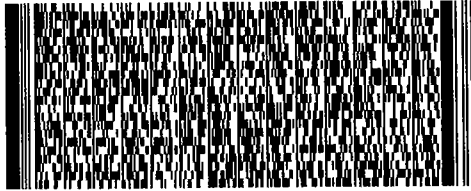
Ref # 20092544V1
 Invoice #
 PO #
 Dept #

SHIP TO: (626) 568-6400 BILL SENDER
sample receiving
Montgomery Watson labs
750 ROYAL OAKS DR # 100

MONROVIA, CA 91016

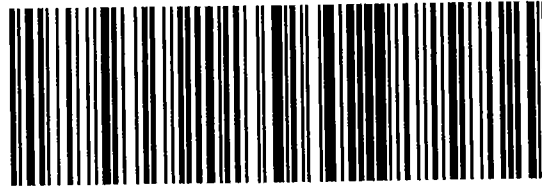
TRK# 7976 8323 8611
 0201

TUE - 16JUN A2
PRIORITY OVERNIGHT
DSR



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.

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Custody Seal

Date 6-15-09

Project Tronox Annual Sample
20092544V1

Signature [Signature]

Container# 1 of 1

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#: 271999
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **06/16/09**. 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
2906160064	MC-53	CLO4 CR6010	Water P	15-jun-2009 13:55:00 TDS

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)



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Report
Comments
#271999

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
#271999

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

Samples Received
16-jun-2009 13:16:22

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2906160064	MC-53				
06/30/09	Chromium, Total, ICAP		0.041		mg/l	0.020
06/29/09	Metals digestion performed.		Y		Yes/No	
06/28/09	Perchlorate		8560		ug/l	400
06/19/09	Total Dissolved Solid (TDS)		10500	500	mg/l	10



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Laboratory
Data Report
#271999

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

Samples Received
06/16/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MC-53 (2906160064)				Sampled on 06/15/09 13:55				
	06/28/09 00:00	489148	(EPA 314)	Perchlorate	8560	ug/l	400	100
06/29/09	06/30/09 00:00	489156	(ML/EPA 6010B)	Chromium, Total, ICAP	0.041	mg/l	0.020	2
	06/29/09 00:00		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
06/19/09	06/19/09 11:00	488855	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10500	mg/l	10	1



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Laboratory
QC Summary
#271999

Tronox LLC - Henderson

QC Ref #488855 - Total Dissolved Solid (TDS)	Analysis Date: 06/19/2009
2906160064 MC-53	Analyzed by: jrf
QC Ref #489148 - Perchlorate	Analysis Date: 06/28/2009
2906160064 MC-53	Analyzed by: ser
QC Ref #489156 - Chromium, Total, ICAP	Analysis Date: 06/30/2009
2906160064 MC-53	Analyzed by: csk



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QC Report
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Tronox LLC - Henderson

QC Ref #488855 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	06160100	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	1506	1500	MGL		(0-10)	0.4
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	696	MGL	99.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12.0	MGL	120.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	100.571	99.429	MGL	1.1	(0-20)	

QC Ref #489148 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	06240295	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.4	UGL	97.6	(85-115)	
LCS2	Perchlorate	25.0	24.2	UGL	96.8	(85-115)	
LCS3	Perchlorate	4	4.18	UGL	104.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.1	UGL	92.4	(80-120)	
MSD	Perchlorate	25.0	23.3	UGL	93.2	(80-120)	
RPD_LCS	Perchlorate	97.600	96.800	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	92.400	93.200	UGL	1.0	(0-15)	

QC Ref #489156 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 200905290036		MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0104	MGL	104.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.996	MGL	99.6	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.984	MGL	98.4	(70-130)	

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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Laboratory
QC Report
#271999

Tronox LLC - Henderson
(continued)

MSD	Chromium, Total, ICAP	1.00	0.970	MGL	97.0	(70-130)
MSD2	Chromium, Total, ICAP	1.00	1.004	MGL	100.4	(70-130)

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.