



# 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)

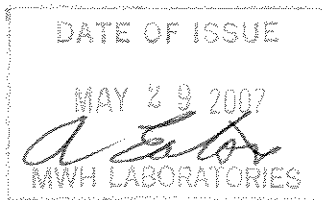
## Laboratory Report

for

Tronox LLC Henderson Plant  
P.O. Box 55

Henderson , NV 89009

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



ADE Andy Eaton  
Project Manager



Report#: 203614  
Project: CLO4  
PO#: Susan Crowle

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 10 page[s].



ENSR International  
1220 Avenida Acaso  
Camarillo, CA 93012-8738  
Phone (805) 388-3775  
Fax (805) 388-3577

ANALYTICAL LAB:

MWH-Laboratories  
Monrovia, CA

203814

SITE Henderson DATE 5-4-07 PAGE 1 OF 1

CLIENT TRONOX  
PROJECT NAME: Kerr Mcree CLO4  
PROJECT MANAGER: Susan Crowley  
JOB #: 04020-023-115  
COELT LOG CODE: YES  NO

SAMPLER SIGNATURE  
[Signature]

LINE ITEM	SAMPLE NO.	DATE	TIME	ANALYTICAL METHODS										MATRIX TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	TURN-AROUND TIME
				8260B / 5035 Volatile Organics	8260B BTEX / MTBE / Oxygenates	8015 Diesel / Gasoline / Full Range	8081A Pesticides	CAM 17 Metals	CLO4	TDS	CR6010						
1.	M67	5-04-07	0735	X	X	X	X	X	X	X	X	X	X	X	WP	3	
2.	M67D	5-4-07	—	X	X	X	X	X	X	X	X	X	X	WP	3		
3.	M64	5-4-07	0835	X	X	X	X	X	X	X	X	X	X	WP	3		
4.	M65	5-4-07	0850	X	X	X	X	X	X	X	X	X	X	WP	3		
5.	M66	5-4-07	0910	X	X	X	X	X	X	X	X	X	X	WP	3		
6.	M103	5-4-07	1010	X	X	X	X	X	X	X	X	X	X	WP	3		
7.	M121	5-4-07	1040	X	X	X	X	X	X	X	X	X	X	WP	3		
8.	M118	5-4-07	1125	X	X	X	X	X	X	X	X	X	X	WP	3		
9.	M117	5-4-07	1235	X	X	X	X	X	X	X	X	X	X	WP	3		
10.	M120	5-4-07	1330	X	X	X	X	X	X	X	X	X	X	WP	3		

MATRIX S - Soil  
TYPE: W - Water O - Other

CONTAINER TYPE: G - Glass Bottle P - Plastic O - Other

PRESERVATIVES:  
All samples are preserved on ice.  
Water samples are preserved as indicated on the sample labels.

TEMPERATURE BLANK EACH COOLER:  YES  NO

RELINQUISHED BY: ZOE DIERMIER SIGNATURE  
RECEIVED BY: [Signature] SIGNATURE  
RELINQUISHED BY: [Signature] SIGNATURE  
RECEIVED BY: [Signature] SIGNATURE

DATE: 5/4/07 TIME: 16:00  
DATE: 5/5/07 TIME: 16:00  
DATE: 5/5/07 TIME: 16:00  
DATE: 5/5/07 TIME: 16:00

ENSR International  
COMPANY: MWH  
COMPANY: MWH  
COMPANY: MWH

TOTAL NUMBER OF CONTAINERS: 30  
METHOD OF SHIPMENT: FED EX  
SPECIAL SHIPMENT/HANDLING/STORAGE REQUIREMENTS:

Serial No. 4107

DISTRIBUTION: White and Canary = Laboratory Pink = ENSR International COC #: 050407



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

**Bottle Order for Kerr McGee Henderson Plant**

Andrew Eaton..... Your MWL Project Manager  
(626) 386-1125..... Direct Phone/Voice Mail

Client Code KERRMCGEE-NV.....  
Project Code CLO4..... SC-1  
PO# / Job# .....

BO# 40260

**Sampler: please return this paper with your samples**

Created by AND

Ship Sample Kits to

Send Report to

Order Date 04/23/07  
Date Needed by Client 04/27/07  
Date Samples to Arrive at MWL 05/02/07

Trinox L.L.C. - attn Brian Ho  
8000 West Lake Mead Drive  
Henderson, NV 89015

Kerr McGee Henderson Plant  
P.O. Box 55  
Henderson, NV 89009

Billing Address

Kerr McGee Henderson Plant  
P.O. Box 55  
Henderson, NV 89009

ATTN: Susan Crowley/Brian Ho  
PHONE: 702-651-2234

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

UN DOT #

Comments

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

# of Samples	Tests	Qteline#	Bottles-Qty for each sample, type & preservative if any	UN DOT #	Comments
87	CLO4		1 125ml poly /no preservative		
53	CR6010		1 125ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	SHIPPING - SEND in 3 ICE CHESTS -
87	TDS		1 250 ml poly/ no preservative		<b>NO BLUE ICE.</b> Please be sure coolers have Brian Ho's name on them.
18	CLO39056		1 60ml poly+0.60 mL 5% EDA sol'n	UN 1604	ENSR - please be sure COC identifies these to be on the KerrMcGee-NV account
18	NO39056		1 125ml poly/ no preservative		53 bottles for total chromium; 87 bottles for perchlorate & TDS; and 18 bottles for chlorate & nitrate.

Code Status Date Shipped Via

Tracking #

# of Coolers

Prepared By

**SCANNED**



8607 8345 4758

0200

FedEx Retrieval Copy

Form ID No.

1 From Date 5-4-07 Sender's FedEx Account Number 0930-0050-1

1  **Express Package Service** Packages up to 150 lbs.  
 **FedEx Priority Overnight** Next business morning, \* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.  
 **FedEx 2Day** Second business day, \*\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.  
 **FedEx Standard Overnight** Next business afternoon, \* Saturday Delivery NOT available.  
 **FedEx Express Saver** Third business day, \* Saturday Delivery NOT available.

S. Crowley/B. Ho (702-651-2234)  
 Tronox/ENSR

8000 West Lake Mead Parkway  
 Henderson, NV 89015

(Internal Reference #04020-023-401)

2 Your Internal Billing Reference

3 To Recip Nam Receiving (626-386-1100)

Company MWH Laboratories, Inc.

Reci Addr 750 Royal Oaks, Suite 100

We ca Monrovia, CA 91016

Addl To rec

City  State  ZIP

Room

4a **Express Package Service**

1  **FedEx Priority Overnight** Next business morning, \* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

3  **FedEx 2Day** Second business day, \*\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5  **FedEx Standard Overnight** Next business afternoon, \* Saturday Delivery NOT available.

6  **FedEx Express Saver** Third business day, \* Saturday Delivery NOT available.

4b **Express Freight Service**

7  **FedEx 1Day Freight\*** Next business day, \*\* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8  **FedEx 2Day Freight** Second business day, \*\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83  **FedEx 3Day Freight** Third business day, \*\* Saturday Delivery NOT available.

5 **Packaging**

**FedEx Envelope\***

**FedEx Pak\*** Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.

**FedEx Box**

**FedEx Tube**

**Other** Declared value up to \$500.

6 **Special Handling**

1  **SATURDAY Delivery** Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

31  **HOLD Weekday at FedEx Location** Not available for FedEx First Overnight, FedEx Standard Overnight, or FedEx 3Day Freight.

31  **HOLD Saturday at FedEx Location** Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods?  
 One box must be checked.

**No** 4  **Yes** As per attached Shipper's Declaration, not required.

**Dry Ice** Dry ice, UN 1845 \_\_\_\_\_ x \_\_\_\_\_ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 **Payment Bill to:**

1  **Sender** Enter FedEx Acct. No. or Credit Card No. below.

2  **Recipient** 3  **Third Party** 4  **Credit Card** 5  **Cash/Check**

Obtain Recip. Acct. No.

8 **NEW Residential Delivery Signature Options** (You require a signature, check Direct or Indirect.)

**No Signature Required** Anyone at recipient's address may sign for delivery. **Fee applies.**

**Direct Signature** 34  **Indirect Signature** 34  
 Anyone at recipient's address may sign for delivery. **Fee applies.**

Total Packages 1 Total Weight 5.1 Total Charges

Credit Card Auth.

Your liability is limited to \$100 unless you declare a higher value. See the current FedEx Services Guide for details.

1 Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Services Guide for details.

2 NEW Residential Delivery Signature Options (You require a signature, check Direct or Indirect.)

3 No Signature Required Anyone at recipient's address may sign for delivery. Fee applies.

4 Direct Signature 34 Indirect Signature 34 Anyone at recipient's address may sign for delivery. Fee applies.

5 Total Packages 1 Total Weight 5.1 Total Charges

6 Credit Card Auth.

7 Your liability is limited to \$100 unless you declare a higher value. See the current FedEx Services Guide for details.

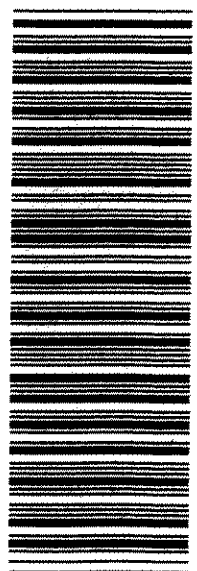
8 NEW Residential Delivery Signature Options (You require a signature, check Direct or Indirect.)

9 No Signature Required Anyone at recipient's address may sign for delivery. Fee applies.

10 Direct Signature 34 Indirect Signature 34 Anyone at recipient's address may sign for delivery. Fee applies.

11 Total Packages 1 Total Weight 5.1 Total Charges

12 Credit Card Auth.



520

**FedEx**® US Airbill  
Express

FedEx  
Tracking  
Number

8607 8345 4758

Recipient's Copy +

From

Date 5-4-07

Sender  
Name

S. Crowley/B. Ho (702-651-2234)  
Tronox/ENSR

Company

8000 West Lake Mead Parkway  
Henderson, NV 89015

Address

(Internal Reference #04020-023-401)

City

Your Internal Billing Reference

To

Recipient  
Name

Receiving (626-386-1100)

Company

MWH Laboratories, Inc.

Receiving

750 Royal Oaks, Suite 100

Address

Monrovia, CA 91016

Address

To receive

City

State

ZIP

**4a Express Package Service**

**FedEx Priority Overnight**  
Next business morning. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

**FedEx 2Day**  
Second business day. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

**FedEx Express Saver**  
Third business day. Saturday Delivery NOT available.

**FedEx Standard Overnight**  
Next business afternoon. Saturday Delivery NOT available.

**FedEx Express Saver**  
Third business day. Saturday Delivery NOT available.

**4b Express Freight Service**

**FedEx 1Day Freight**  
Next business day. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

**FedEx 2Day Freight**  
Second business day. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

**Packages over 150 lbs.**

**FedEx 3Day Freight**  
Third business day. Saturday Delivery NOT available.

**5 Packaging**

**FedEx Envelope\***

**FedEx Pak\***  
Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.

**FedEx Box**

**FedEx Tube**

**Other**

**6 Special Handling**

**SATURDAY Delivery**  
Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

**HOLD Weekday at FedEx Location**  
Not available for FedEx First Overnight, FedEx 2Day Overnight and FedEx 2Day.

**HOLD Saturday at FedEx Location**  
Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods?

No  
 Yes  
As per attached Shipper's Declaration. Shipper's Declaration not required.

**Dry Ice**  
Dry Ice, 9, UN 1845

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

**7 Payment Bill to:**

**Sender**  
Acct. No. in Section 1 will be billed.

**Recipient**

**Third Party**

**Credit Card**  
 **Cash/Check**

**Obtain Receipt**  
Acct. No.

Total Packages

Total Weight

Total Declared Value\*

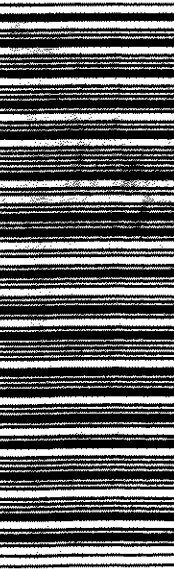
Total Charges

1

5.1

\$ 0.00

\*Our liability is limited to \$100 unless you declare a higher value. See back for details.



**8 NEW Residential Delivery Signature Options** If you require a signature, check Direct or Indirect.

**No Signature Required**  
Package may be left without obtaining a signature for delivery.

**Direct Signature**  
Anyone at recipient's address may sign for delivery. Fee applies.

**Indirect Signature**  
If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. Fee applies.

520

**MWH Laboratories**  
 750 Royal Oaks Drive, Monrovia, CA 91016  
 PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC Henderson Plant  
 P.O. Box 55  
 Henderson, NV 89009  
 Attn: Susan Crowley  
 Phone: (702) 651-2234

Customer Code: KERRMCGEE-NV  
 PO#: Susan Crowley PO  
 Group#: 203614  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **05/05/07**. 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
2705070033	M67	CLO4 CR6010	Water TDS	04-may-2007 07:35:00
2705070034	M67D	CLO4 CR6010	Water TDS	04-may-2007 00:00:00
2705070035	M64	CLO4 CR6010	Water TDS	04-may-2007 08:35:00
2705070036	M65	CLO4 CR6010	Water TDS	04-may-2007 08:50:00
2705070037	M66	CLO4 CR6010	Water TDS	04-may-2007 09:10:00
2705070038	M103	CLO4 CR6010	Water TDS	04-may-2007 10:10:00
2705070039	M121	CLO4 CR6010	Water TDS	04-may-2007 10:40:00
2705070040	M118	CLO4 CR6010	Water TDS	04-may-2007 11:25:00
2705070041	M117	CLO4 CR6010	Water TDS	04-may-2007 12:35:00
2705070042	M120	CLO4 CR6010	Water TDS	04-may-2007 13:30:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
TDS	Total Dissolved Solid (TDS)



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---

Report  
Comments  
#203614

**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.

Client Signature: \_\_\_\_\_

(QC Ref#: 2705070034)

Test: Total Dissolved Solid (TDS) (SM 2540C)

H1-Sample analysis performed past holding time. Data not acceptable for regulatory compliance



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Laboratory  
Hits Report  
#203614

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

Samples Received  
05-may-2007 11:19:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2705070033</b>	<b>M67</b>				
05/14/07		Chromium, Total, ICAP	5.5		mg/l	0.050
05/12/07		Perchlorate	485000		ug/l	40000
05/11/07		Total Dissolved Solid (TDS)	8140	500	mg/l	10
	<b>2705070034</b>	<b>M67D</b>				
05/14/07		Chromium, Total, ICAP	5.6		mg/l	0.050
05/13/07		Perchlorate	472000		ug/l	40000
05/14/07		Total Dissolved Solid (TDS)	7620	500	mg/l	10
	<b>2705070035</b>	<b>M64</b>				
05/14/07		Chromium, Total, ICAP	7.2		mg/l	0.050
05/14/07		Perchlorate	709000		ug/l	200000
05/11/07		Total Dissolved Solid (TDS)	7900	500	mg/l	10
	<b>2705070036</b>	<b>M65</b>				
05/14/07		Chromium, Total, ICAP	33		mg/l	0.20
05/14/07		Perchlorate	1250000		ug/l	200000
05/11/07		Total Dissolved Solid (TDS)	14700	500	mg/l	10
	<b>2705070037</b>	<b>M66</b>				
05/14/07		Chromium, Total, ICAP	34		mg/l	0.20
05/14/07		Perchlorate	1660000		ug/l	200000
05/11/07		Total Dissolved Solid (TDS)	17300	500	mg/l	10
	<b>2705070038</b>	<b>M103</b>				

SUMMARY OF POSITIVE DATA ONLY.





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750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3829  
Tel: 626 386 1100  
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1 800 566 LABS (1 800 566 5227)

Laboratory  
Hits Report  
#203614

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

Samples Received  
05-may-2007 11:19:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2705070038</b>	<b>M103</b>				
05/14/07		Chromium, Total, ICAP	0.054		mg/l	0.020
05/16/07		Perchlorate	298		ug/l	200
05/11/07		Total Dissolved Solid (TDS)	1960	500	mg/l	10
	<b>2705070039</b>	<b>M121</b>				
05/14/07		Chromium, Total, ICAP	0.10		mg/l	0.020
05/16/07		Perchlorate	1100		ug/l	200
05/11/07		Total Dissolved Solid (TDS)	2810	500	mg/l	10
	<b>2705070040</b>	<b>M118</b>				
05/14/07		Chromium, Total, ICAP	0.041		mg/l	0.020
05/11/07		Total Dissolved Solid (TDS)	802	500	mg/l	10
	<b>2705070041</b>	<b>M117</b>				
05/11/07		Total Dissolved Solid (TDS)	716	500	mg/l	10
	<b>2705070042</b>	<b>M120</b>				
05/14/07		Perchlorate	477		ug/l	80
05/11/07		Total Dissolved Solid (TDS)	2090	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
 Data Report  
 #203614

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

Samples Received  
 05/05/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M67 (2705070033)      Sampled on 05/04/07 07:35</b>								
	05/12/07 00:01	366330	( EPA 314 )	Perchlorate	485000	ug/l	40000	10000
	05/14/07 00:00	366592	( ML/EPA 6010B )	Chromium, Total, ICAP	5.5	mg/l	0.050	5
05/11/07	05/11/07 23:00	366699	( SM 2540C )	Total Dissolved Solid (TDS)	8140	mg/l	10	1
<b>M67D (2705070034)      Sampled on 05/04/07 00:00</b>								
	05/13/07 00:01	366330	( EPA 314 )	Perchlorate	472000	ug/l	40000	10000
	05/14/07 00:00	366593	( ML/EPA 6010B )	Chromium, Total, ICAP	5.6	mg/l	0.050	5
05/11/07	05/14/07 21:00	367448	( SM 2540C )	Total Dissolved Solid (TDS)	7620(H1)	mg/l	10	1
<b>M64 (2705070035)      Sampled on 05/04/07 08:35</b>								
	05/14/07 00:01	366635	( EPA 314 )	Perchlorate	709000	ug/l	200000	50000
	05/14/07 00:00	366593	( ML/EPA 6010B )	Chromium, Total, ICAP	7.2	mg/l	0.050	5
05/11/07	05/11/07 23:00	366699	( SM 2540C )	Total Dissolved Solid (TDS)	7900	mg/l	10	1
<b>M65 (2705070036)      Sampled on 05/04/07 08:50</b>								
	05/14/07 00:01	366635	( EPA 314 )	Perchlorate	1250000	ug/l	200000	50000
	05/14/07 00:00	366593	( ML/EPA 6010B )	Chromium, Total, ICAP	33	mg/l	0.20	20
05/11/07	05/11/07 23:00	366699	( SM 2540C )	Total Dissolved Solid (TDS)	14700	mg/l	10	1
<b>M66 (2705070037)      Sampled on 05/04/07 09:10</b>								
	05/14/07 00:01	366635	( EPA 314 )	Perchlorate	1660000	ug/l	200000	50000
	05/14/07 00:00	366593	( ML/EPA 6010B )	Chromium, Total, ICAP	34	mg/l	0.20	20
05/11/07	05/11/07 23:00	366699	( SM 2540C )	Total Dissolved Solid (TDS)	17300	mg/l	10	1
<b>M103 (2705070038)      Sampled on 05/04/07 10:10</b>								
	05/16/07 00:00	367124	( EPA 314 )	Perchlorate	298	ug/l	200	50
	05/14/07 00:00	366593	( ML/EPA 6010B )	Chromium, Total, ICAP	0.054	mg/l	0.020	2
05/11/07	05/11/07 23:00	366699	( SM 2540C )	Total Dissolved Solid (TDS)	1960	mg/l	10	1



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Laboratory  
 Data Report  
 #203614

## Tronox LLC Henderson Plant (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M121 (2705070039)</b>				<b>Sampled on 05/04/07 10:40</b>				
	05/16/07 00:00	367124	( EPA 314 )	Perchlorate	1100	ug/l	200	50
	05/14/07 00:00	366593	( ML/EPA 6010B )	Chromium, Total, ICAP	0.10	mg/l	0.020	2
05/11/07	05/11/07 23:00	366699	( SM 2540C )	Total Dissolved Solid (TDS)	2810	mg/l	10	1
<b>M118 (2705070040)</b>				<b>Sampled on 05/04/07 11:25</b>				
	05/17/07 00:00	367124	( EPA 314 )	Perchlorate	ND	ug/l	10	5
	05/14/07 00:00	366593	( ML/EPA 6010B )	Chromium, Total, ICAP	0.041	mg/l	0.020	2
05/11/07	05/11/07 23:00	366699	( SM 2540C )	Total Dissolved Solid (TDS)	802	mg/l	10	1
<b>M117 (2705070041)</b>				<b>Sampled on 05/04/07 12:35</b>				
	05/17/07 00:00	367124	( EPA 314 )	Perchlorate	ND	ug/l	10	5
	05/14/07 00:00	366593	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
05/11/07	05/11/07 23:00	366699	( SM 2540C )	Total Dissolved Solid (TDS)	716	mg/l	10	1
<b>M120 (2705070042)</b>				<b>Sampled on 05/04/07 13:30</b>				
	05/14/07 00:01	366635	( EPA 314 )	Perchlorate	477	ug/l	80	20
	05/14/07 00:00	366593	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
05/11/07	05/11/07 23:00	366699	( SM 2540C )	Total Dissolved Solid (TDS)	2090	mg/l	10	1



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Laboratory  
QC Summary  
#203614

Tronox LLC Henderson Plant

**QC Ref #366330 - Perchlorate**

**Analysis Date: 05/12/2007**

2705070033 M67  
2705070034 M67D

Analyzed by: raja  
Analyzed by: raja

**QC Ref #366592 - Chromium, Total, ICAP**

**Analysis Date: 05/14/2007**

2705070033 M67

Analyzed by: wbh

**QC Ref #366593 - Chromium, Total, ICAP**

**Analysis Date: 05/14/2007**

2705070034 M67D  
2705070035 M64  
2705070036 M65  
2705070037 M66  
2705070038 M103  
2705070039 M121  
2705070040 M118  
2705070041 M117  
2705070042 M120

Analyzed by: wbh  
Analyzed by: wbh  
Analyzed by: wbh  
Analyzed by: wbh  
Analyzed by: wbh  
Analyzed by: wbh  
Analyzed by: wbh  
Analyzed by: wbh  
Analyzed by: wbh

**QC Ref #366635 - Perchlorate**

**Analysis Date: 05/14/2007**

2705070035 M64  
2705070036 M65  
2705070037 M66  
2705070042 M120

Analyzed by: raja  
Analyzed by: raja  
Analyzed by: raja  
Analyzed by: raja

**QC Ref #366699 - Total Dissolved Solid (TDS)**

**Analysis Date: 05/11/2007**

2705070033 M67  
2705070035 M64  
2705070036 M65  
2705070037 M66  
2705070038 M103  
2705070039 M121  
2705070040 M118  
2705070041 M117  
2705070042 M120

Analyzed by: maria  
Analyzed by: maria  
Analyzed by: maria  
Analyzed by: maria  
Analyzed by: maria  
Analyzed by: maria  
Analyzed by: maria  
Analyzed by: maria  
Analyzed by: maria



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Laboratory  
QC Summary  
#203614

Tronox LLC Henderson Plant  
(continued)

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QC Ref #367124 - Perchlorate

Analysis Date: 05/16/2007

2705070038 M103  
2705070039 M121  
2705070040 M118  
2705070041 M117

Analyzed by: raja  
Analyzed by: raja  
Analyzed by: raja  
Analyzed by: raja

QC Ref #367448 - Total Dissolved Solid (TDS)

Analysis Date: 05/14/2007

2705070034 M67D

Analyzed by: maria

Tronox LLC Henderson Plant

QC Ref #366330      Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05040340	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.3	UGL	93.2	( 85-115 )	
LCS2	Perchlorate	25.0	23.4	UGL	93.6	( 85-115 )	
LCS3	Perchlorate	4	3.35	UGL	83.8	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.6	UGL	94.4	( 80-120 )	
RPD_LCS	Perchlorate	93.200	93.600	UGL	0.4	( 0-15 )	

QC Ref #366592      Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05040344	MGL		( 0-0 )	
LCS1	Chromium, Total, ICAP	1.00	0.929	MGL	92.9	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.955	MGL	95.5	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0100	MGL	100.0	( 50-150 )	
MS	Chromium, Total, ICAP	0.50	0.493	MGL	98.6	( 70-130 )	
MSD	Chromium, Total, ICAP	0.50	0.482	MGL	96.4	( 70-130 )	

QC Ref #366593      Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05070049	MGL		( 0-0 )	
LCS1	Chromium, Total, ICAP	1.00	0.957	MGL	95.7	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.957	MGL	95.7	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0100	MGL	100.0	( 50-150 )	

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  
#203614

## Tronox LLC Henderson Plant (continued)

### QC Ref #366635 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05070043	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.3	UGL	93.2	( 85-115 )	
LCS2	Perchlorate	25.0	23.3	UGL	93.2	( 85-115 )	
LCS3	Perchlorate	4	3.42	UGL	85.5	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.2	UGL	92.8	( 80-120 )	
MSD	Perchlorate	25.0	23.5	UGL	94.0	( 80-120 )	
RPD_LCS	Perchlorate	93.200	93.200	UGL	0.0	( 0-15 )	
RPD_MS	Perchlorate	92.800	94.000	UGL	1.0	( 0-15 )	

### QC Ref #366699 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05070033	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	8140	8150	MGL		( 0-10 )	0.1
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	648	MGL	92.6	( 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)	89.143	92.571	MGL	3.8	( 0-20 )	

### QC Ref #367124 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05100379	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	24.5	UGL	98.0	( 85-115 )	
LCS2	Perchlorate	25.0	24.2	UGL	96.8	( 85-115 )	
LCS3	Perchlorate	4	3.92	UGL	98.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			

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QC Report  
#203614

Tronox LLC Henderson Plant  
(continued)

MS	Perchlorate	25.0	24.0	UGL	96.0	( 80-120 )
MSD	Perchlorate	25.0	23.6	UGL	94.4	( 80-120 )
RPD_LCS	Perchlorate	98.000	96.800	UGL	1.2	( 0-15 )
RPD_MS	Perchlorate	96.000	94.400	UGL	1.0	( 0-15 )

QC Ref #367448

Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05100633	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	536	552	MGL		( 0-10 )	2.9
LCS1	Total Dissolved Solid (TDS)	175	154	MGL	88.0	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	646	MGL	92.3	( 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)	88.000	92.286	MGL	4.8	( 0-20 )	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
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