



# 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)

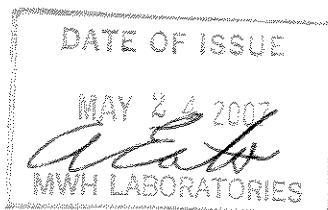
## Laboratory Report

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#: 203423  
Project: CL04  
PO#: SMC-06109901

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 15 page[s].



# MWH Laboratories

MONTGOMERY WATSON HARZA

750 Royal Oaks, Suite 100  
Monrovia, California 91016  
Phone: (626) 386-1100  
(800) 566-5227  
Fax: (626) 386-1101

# CHAIN OF CUSTODY RECORD

MWH LABS USE ONLY

203423

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY: JS

SAMPLES LOGGED IN BY: JS

SAMPLE TEMP WHEN REC'D AT LAB:

2°

(Compliance: 4 +/- 2°C)

SAMPLES REC'D DAY OF COLLECTION

(check for yes)

CONDITION OF BLUE ICE: FROZEN

PARTIALLY FROZEN

THAWED

TO BE COMPLETED BY SAMPLER

COMPANY, UTILITY OR PROJECT

TRONOX

SYSTEM #

COMPLIANCE SAMPLES

NON-COMPLIANCE SAMPLES

REGULATION INVOLVED:

(check for yes)

MWH LABS CLIENT CODE

KERMUGEE-NV

P.O # / JOB # / PROJECT

CLO4

Type of samples (circle one)

ROUTINE SPECIAL CONFIRMATION

(eg. SDWA, Phase V, NPDES, FDA, ...)

SAMPLER PRINTED NAME AND SIGNATURE:

ZOE DIERMIEZ *Zoe Diermierz*

TAT requested: rush by adv notice only

STD X 1 week 3 day 2 day 1 day

SEE ATTACHED BOTTLE ORDER FOR ANALYSES

LIST ANALYSES REQUIRED BELOW (enter number of bottles sent for each test for each sample)

CLO4

(check for yes) OR

TDS

SAMPLER COMMENTS

CLO4

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

\* MATRIX TYPES:

RSW = Raw Surface Water

RGW = Raw Ground Water

CFW = Chlor(am)inated Finished Water

FW = Other Finished Water

CWW = Chlorinated Waste Water

WW = Other Waste Water

BW = Bottled Water

SW = Storm Water

SO = Soil

SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY: *Zoe Diermierz*

RECEIVED BY: *Zoe Diermierz*

*Zoe Diermierz*

*Zoe Diermierz*

ZOE DIERMIEZ

ZOE DIERMIEZ

ENSR

MWH

5/2/07

5/3/07

16:35

10:00

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:



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

ANALYTICAL LAB:

MWS Laboratories  
750 Royal Oaks Dr. Suite 100  
Monrovia, Ca 91016

SITE Henderson DATE 5-2-07 PAGE 2 OF 2

CLIENT <u>Troxox</u>			ANALYTICAL METHODS										TURN-AROUND TIME				
LINE ITEM	SAMPLE NO.	DATE	TIME	8260B / 5035 Volatile Organics	8260B BTEX / MTBE / Oxygenates	8015 Diesel / Gasoline / Full Range	8081A Pesticides	CAM 17 Metals	CLO4	CR6010	TDS	CL039056	N039056	MATRIX TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	OBSERVATIONS/ COMMENTS
1.	HMW14	5-2-07	1345						XX		XX			WP	2		SHORT HOLD
2.	HMW15	5-2-07	1425						XX		XX			WP	2		TIME ON NITRATE SAMPLES
3.	HMW16	5-2-07	1450						XX		XX			WP	2		
4.	PC24	5-2-07	1515						XX		XX			WP	3		
5.	PC50	5-2-07	1535						XX		XX			WP	3		
6.	EB050207	5-2-07	1545						XX		XX			WP	25		
7.	PC21A	5-2-07	1610						XX		XX			WP	5		
8.																	
9.																	
10.																	

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 DIERMITE SIGNATURE [Signature] DATE 5/2/07 TIME 1035

RECEIVED BY: ZOE SANCHEZ SIGNATURE [Signature] DATE 5/2/07 TIME 1035

RELINQUISHED BY: SIGNATURE DATE TIME

RECEIVED BY: SIGNATURE DATE TIME

TOTAL NUMBER OF CONTAINERS: 22

METHOD OF SHIPMENT: Fed Ex

SPECIAL SHIPMENT/HANDLING/STORAGE REQUIREMENTS:

SCANNED



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**  
PO# / Job# ..... SC-1

BO# 40260

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

Created by AND

Ship Sample Kits to  
**Trinox LLC - attn Brian Ho**  
**8000 West Lake Mead Drive**  
**Henderson, NV 89015**

Send Report to

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

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

Billing Address

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

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

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

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

UN DOT #

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

# of Samples Tests

87	CLO4	1	125ml poly /no preservative
53	CR6010	1	125ml poly acid rinsed + 1ml HNO3 (18%)
87	TDS	1	250 ml poly/ no preservative
18	CLO39056	1	60ml poly+0.60 mL 5% EDA sol'n
18	NO39056	1	125ml poly/ no preservative <b>SHORT HOLDING TIME!!!!</b>

SHIPPING - SEND in 3  
ICE CHESTS -  
**NO BLUE ICE.**  
Please be sure coolers  
have Brian Ho's name  
on them.

ENSR - please be sure  
COC identifies these to be  
on the KerrMcGee-NV  
account

53 bottles for total  
chromium;  
87 bottles for perchlorate  
& TDS; and  
18 bottles for chlorate &  
nitrate.

SCANNED

Prepared By

# of Coolers

Tracking #

Via

Date Shipped

Code Status

8607 8345 4576

0200

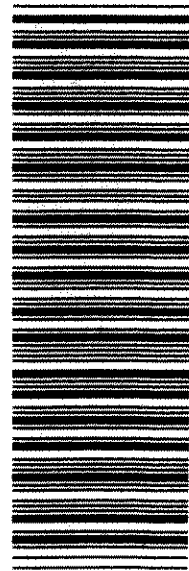
Form ID No.

FedEx Retrieval Copy

1 **From**  
 Date 02-07  
 Sender's FedEx Account Number 0930-0050-1  
 Send Name S. Crowley/B. Ho (702-651-2234)  
Tronox/ENSR  
8000 West Lake Mead Parkway  
Henderson, NV 89015  
(Internal Reference #04020-023-401)  
 Addr. com  
 City \_\_\_\_\_

2 **Your Internal Billing Reference**  
 3 **To**  
 Recil Name Receiving (626-386-1100)  
MWH Laboratories, Inc.  
750 Royal Oaks, Suite 100  
Monrovia, CA 91016  
 Com \_\_\_\_\_  
 Recil Addr \_\_\_\_\_  
 We ca \_\_\_\_\_  
 Addr \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

To request a package or new or a pre-paid FedEx location, print FedEx address: 1019



**4a Express Package Service**

1  **FedEx Priority Overnight** 5  **FedEx Standard Overnight** 6  **FedEx First Overnight**  
 Next business morning. \* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.  
 Next business afternoon. \* Saturday Delivery NOT available.  
 Earliest next business morning delivery to select locations. \* Saturday Delivery NOT available.

3  **FedEx 2Day** 20  **FedEx Express Saver**  
 Second business day. \* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.  
 Third business day. \* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One pound rate.

**4b Express Freight Service**

7  **FedEx 1Day Freight\*** 8  **FedEx 2Day Freight**  
 Next business day. \*\* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

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

unless SATURDAY Delivery is selected.

**5 Packaging**

2  **FedEx Envelope\*** 3  **FedEx Box** 4  **FedEx Tube** 1  **Other**  
 Includes FedEx Small Pak, FedEx Large Pak, and FedEx Shurty Pak.

**6 Special Handling**

1  **SATURDAY Delivery** 31  **HOLD Saturday at FedEx Location**  
 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.

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

**Does this shipment contain dangerous goods?**

No 4  Yes  Dry Ice  
 One box must be checked. As per attached Shipper's Declaration, not required. Dry Ice, 9, UN 1845 x kg

**7 Payment Bill to:**

1  **Sender** 2  **Recipient** 3  **Third Party** 4  **Credit Card** 5  **Cash/Check**  
 Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No.

Total Packages 1 Total Weight to  
 Total Charges 520  
 Credit Card Auth.

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

8 **NEW Residential Delivery Signature Options** If you require a signature, check Direct or Indirect.  
 10  **No Signature Required** 34  **Indirect Signature**  
 Anyone at recipient's address may sign for delivery. If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. Fee applies.  
 Direct Signature: Anyone at recipient's address may sign for delivery. Fee applies.

520

SCANNED

**FedEx**® US Airbill  
Express

FedEx Tracking Number

8607 8345 4596

0200

Recipient's Copy +

From   
Date 5-2-03

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

Nat Tronox/ENSR

Con 8000 West Lake Mead Parkway

Add Henderson, NV 89015

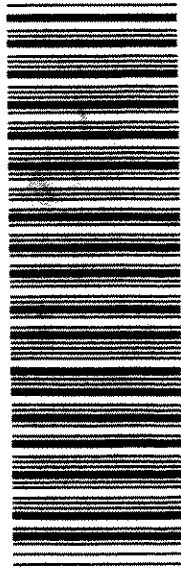
(Internal Reference #04020-023-401)

City \_\_\_\_\_ Room \_\_\_\_\_

**2 Your Internal Billing Reference:**

**3 To**  
Recipient Name Receiving (626-386-1100)  
Company MWH Laboratories, Inc.  
Recipient Address 750 Royal Oaks, Suite 100  
We cannot Monrovia, CA 91016

Address \_\_\_\_\_  
To request a package use this as a shipping label, necessary printing \_\_\_\_\_  
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 Standard Overnight**  
 Next business afternoon. Saturday Delivery NOT available.  
 **FedEx Express Saver**  
 Third business day. Saturday Delivery NOT available.  
 \* To meet locations.

**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.  
 **FedEx 3Day Freight**  
 Third business day. \*\* Saturday Delivery NOT available.  
 \* Call for Confirmation. \*\* To meet locations.

**5 Packaging**  
 **FedEx Envelope\***  
 **FedEx Pak\***  
 Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.  
 **FedEx Box**  
 **Other Tube**  
 \* Degraded value limit \$500.

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

**7 Payment Bill to:**  
 **Sender**  
 Acct. No. in Section 1 will be billed.  
 **Recipient**  
 **Third Party**  
 **Credit Card**  
 **Cash/Check**  
 Obtain Recip. Acct. No. \_\_\_\_\_  
 Enter FedEx Acct. No. or Credit Card No. below.

**8 NEW Residential Delivery Signature Options**  
 **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.

**Does this shipment contain dangerous goods?**  
 **No**  
 **Yes**  
 As per attached Shipper's Declaration not required.  
 **Dry Ice**  
 Dry Ice, 9, UN1845  
 **Cargo Aircraft Only**  
 Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

**Total Packages** 1  
**Total Weight** 1.00  
**Total Declared Value** \$ 600.00  
**Total Charges** \$ 6.99  
**Credit Card Auth.**

\* 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.

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#: SMC-06109901  
 Group#: 203423  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **05/03/07**. 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
2705030203	M34	CLO4 CR6010	Water	02-may-2007 07:30:00
			P T	TDS
2705030204	M35	CLO4 CR6010	Water	02-may-2007 07:45:00
			P T	TDS
2705030205	PC64	CLO4 CR6010	Water	02-may-2007 09:45:00
			P T	TDS
2705030206	PC31	CLO4 CR6010	Water	02-may-2007 10:00:00
			P T	TDS
2705030207	PC31D	CLO4 CR6010	Water	02-may-2007 00:00:00
			P T	TDS
2705030208	PC28	CLO4 CR6010	Water	02-may-2007 10:25:00
			P T	TDS
2705030209	PC112	CLO4 TDS	Water	02-may-2007 11:15:00
2705030210	PC110	CLO4 TDS	Water	02-may-2007 11:30:00
2705030211	PC104	CLO4 CR6010	Water	02-may-2007 13:05:00
			P T	TDS
2705030213	HMW13	CLO4 TDS	Water	02-may-2007 13:25:00
2705030214	HMW14	CLO4 TDS	Water	02-may-2007 13:45:00
2705030215	HMW15	CLO4 TDS	Water	02-may-2007 14:25:00
2705030216	HMW16	CLO4 TDS	Water	02-may-2007 14:50:00
2705030217	PC24	CLO4 CR6010	Water	02-may-2007 15:15:00
			P T	TDS
2705030218	PC50	CLO4 CR6010	Water	02-may-2007 15:35:00
			P T	TDS
2705030219	EB050207	CLO39056 CLO4 CR6010	Water	02-may-2007 15:45:00
		TDS		

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

Customer Code: KERRMCGEE-NV  
PO#: SMC-06109901  
Group#: 203423  
Project#: CLO4  
Proj Mgr: Andrew Eaton  
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2705030220	PC21A	CLO39056 CLO4 CR6010 NO39056 P T TDS	Water	02-may-2007 16:10:00

Test Acronym Description

Test Acronym	Description
CLO39056	Chlorate by IC
CLO4	Perchlorate
CR6010	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.

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)

---

Report  
Comments  
#203423

**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: \_\_\_\_\_



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Laboratory  
Hits Report  
#203423

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

Samples Received  
03-may-2007 14:15:45

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2705030203</b>	<b>M34</b>				
05/09/07		Chromium, Total, ICAP	17		mg/l	0.050
05/08/07		Metals digestion performed.	Y		Yes/No	
05/09/07		Perchlorate	1670000		ug/l	200000
05/08/07		Total Dissolved Solid (TDS)	9850	500	mg/l	10
	<b>2705030204</b>	<b>M35</b>				
05/09/07		Chromium, Total, ICAP	6.2		mg/l	0.020
05/08/07		Metals digestion performed.	Y		Yes/No	
05/09/07		Perchlorate	408000		ug/l	200000
05/08/07		Total Dissolved Solid (TDS)	6090	500	mg/l	10
	<b>2705030205</b>	<b>PC64</b>				
05/09/07		Chromium, Total, ICAP	2.9		mg/l	0.020
05/08/07		Metals digestion performed.	Y		Yes/No	
05/09/07		Perchlorate	760000		ug/l	200000
05/08/07		Total Dissolved Solid (TDS)	8200	500	mg/l	10
	<b>2705030206</b>	<b>PC31</b>				
05/08/07		Metals digestion performed.	Y		Yes/No	
05/11/07		Perchlorate	3920		ug/l	200
05/08/07		Total Dissolved Solid (TDS)	5050	500	mg/l	10
	<b>2705030207</b>	<b>PC31D</b>				
05/08/07		Metals digestion performed.	Y		Yes/No	
05/11/07		Perchlorate	3710		ug/l	200
05/08/07		Total Dissolved Solid (TDS)	4100	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3629  
Tel: 626 386 1100  
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1 800 566 LABS (1 800 566 5227)

Laboratory  
Hits Report  
#203423

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

Samples Received  
03-may-2007 14:15:45

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705030207	PC31D				
	2705030208	PC28				
05/09/07	Chromium, Total, ICAP		0.87		mg/l	0.020
05/08/07	Metals digestion performed.		Y		Yes/No	
05/09/07	Perchlorate		489000		ug/l	40000
05/08/07	Total Dissolved Solid (TDS)		5720	500	mg/l	10
	2705030209	PC112				
05/08/07	Total Dissolved Solid (TDS)		2170	500	mg/l	10
	2705030210	PC110				
05/11/07	Perchlorate		7080		ug/l	400
05/08/07	Total Dissolved Solid (TDS)		4660	500	mg/l	10
	2705030211	PC104				
05/08/07	Metals digestion performed.		Y		Yes/No	
05/11/07	Perchlorate		3820		ug/l	200
05/08/07	Total Dissolved Solid (TDS)		3310	500	mg/l	10
	2705030213	HMW13				
05/08/07	Total Dissolved Solid (TDS)		2140	500	mg/l	10
	2705030214	HMW14				
05/08/07	Total Dissolved Solid (TDS)		1500	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



# MWH Laboratories

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750 Royal Oaks Drive, Suite 100  
Menlo Park, California 94025-5099  
Tel: 626 386 1100  
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1 800 566 LABS (1 800 566 5227)

Laboratory  
Hits Report  
#203423

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

Samples Received  
03-may-2007 14:15:45

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705030214	HMW14				
	2705030215	HMW15				
05/11/07	Perchlorate		28		ug/l	4.0
05/08/07	Total Dissolved Solid (TDS)		3850	500	mg/l	10
	2705030216	HMW16				
05/11/07	Perchlorate		4150		ug/l	200
05/08/07	Total Dissolved Solid (TDS)		4600	500	mg/l	10
	2705030217	PC24				
05/09/07	Chromium, Total, ICAP		0.11		mg/l	0.020
05/08/07	Metals digestion performed.		Y		Yes/No	
05/11/07	Perchlorate		12900		ug/l	2000
05/08/07	Total Dissolved Solid (TDS)		10100	500	mg/l	10
	2705030218	PC50				
05/09/07	Chromium, Total, ICAP		0.13		mg/l	0.020
05/08/07	Metals digestion performed.		Y		Yes/No	
05/09/07	Perchlorate		324000		ug/l	40000
05/08/07	Total Dissolved Solid (TDS)		8550	500	mg/l	10
	2705030219	EB050207				
05/08/07	Metals digestion performed.		Y		Yes/No	
05/08/07	Total Dissolved Solid (TDS)		51	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Hits Report  
#203423

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

Samples Received  
03-may-2007 14:15:45

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705030220	PC21A				
	2705030220	PC21A				
05/07/07	Chlorate by IC		1080000		ug/l	100000
05/09/07	Chromium, Total, ICAP		0.30		mg/l	0.020
05/08/07	Metals digestion performed.		Y		Yes/No	
05/03/07	Nitrate as Nitrogen by IC		42.9		mg/l	5.0
05/11/07	Perchlorate		4350		ug/l	400
05/08/07	Total Dissolved Solid (TDS)		13150	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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 Tel: 626 386 1100  
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Laboratory  
 Data Report  
 #203423

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

Samples Received  
 05/03/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M34 (2705030203)</b>		<b>Sampled on 05/02/07 07:30</b>						
	05/09/07 00:04	365911	( EPA 314 )	Perchlorate	1670000	ug/l	200000	50000
	05/09/07 00:00	365633	( ML/EPA 6010B )	Chromium, Total, ICAP	17	mg/l	0.050	5
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
05/08/07	05/08/07 17:45	366172	( SM 2540C )	Total Dissolved Solid (TDS)	9850	mg/l	10	1
<b>M35 (2705030204)</b>		<b>Sampled on 05/02/07 07:45</b>						
	05/09/07 00:04	365911	( EPA 314 )	Perchlorate	408000	ug/l	200000	50000
	05/09/07 00:00	365633	( ML/EPA 6010B )	Chromium, Total, ICAP	6.2	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
05/08/07	05/08/07 17:45	366172	( SM 2540C )	Total Dissolved Solid (TDS)	6090	mg/l	10	1
<b>PC64 (2705030205)</b>		<b>Sampled on 05/02/07 09:45</b>						
	05/09/07 00:04	365911	( EPA 314 )	Perchlorate	760000	ug/l	200000	50000
	05/09/07 00:00	365633	( ML/EPA 6010B )	Chromium, Total, ICAP	2.9	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
05/08/07	05/08/07 17:45	366172	( SM 2540C )	Total Dissolved Solid (TDS)	8200	mg/l	10	1
<b>PC31 (2705030206)</b>		<b>Sampled on 05/02/07 10:00</b>						
	05/11/07 00:00	366327	( EPA 314 )	Perchlorate	3920	ug/l	200	50
	05/09/07 00:00	365633	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
05/08/07	05/08/07 17:45	366172	( SM 2540C )	Total Dissolved Solid (TDS)	5050	mg/l	10	1
<b>PC31D (2705030207)</b>		<b>Sampled on 05/02/07 00:00</b>						
	05/11/07 00:00	366327	( EPA 314 )	Perchlorate	3710	ug/l	200	50
	05/09/07 00:00	365633	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
05/08/07	05/08/07 17:45	366172	( SM 2540C )	Total Dissolved Solid (TDS)	4100	mg/l	10	1



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## Tronox LLC Henderson Plant (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC28 (2705030208)</b>				<b>Sampled on 05/02/07 10:25</b>				
	05/09/07 00:04	365911	( EPA 314 )	Perchlorate	489000	ug/l	40000	10000
	05/09/07 00:00	365633	( ML/EPA 6010B )	Chromium, Total, ICAP	0.87	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
05/08/07	05/08/07 17:45	366172	( SM 2540C )	Total Dissolved Solid (TDS)	5720	mg/l	10	1
<b>PC112 (2705030209)</b>				<b>Sampled on 05/02/07 11:15</b>				
	05/09/07 00:02	365907	( EPA 314 )	Perchlorate	ND	ug/l	4.0	2
05/08/07	05/08/07 17:46	366176	( SM 2540C )	Total Dissolved Solid (TDS)	2170	mg/l	10	1
<b>PC110 (2705030210)</b>				<b>Sampled on 05/02/07 11:30</b>				
	05/11/07 00:00	366327	( EPA 314 )	Perchlorate	7080	ug/l	400	100
05/08/07	05/08/07 17:46	366176	( SM 2540C )	Total Dissolved Solid (TDS)	4660	mg/l	10	1
<b>PC104 (2705030211)</b>				<b>Sampled on 05/02/07 13:05</b>				
	05/11/07 00:00	366327	( EPA 314 )	Perchlorate	3820	ug/l	200	50
	05/09/07 00:00	365633	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
05/08/07	05/08/07 17:46	366176	( SM 2540C )	Total Dissolved Solid (TDS)	3310	mg/l	10	1
<b>HMW13 (2705030213)</b>				<b>Sampled on 05/02/07 13:25</b>				
	05/11/07 00:01	366328	( EPA 314 )	Perchlorate	ND	ug/l	4.0	2
05/08/07	05/08/07 17:46	366176	( SM 2540C )	Total Dissolved Solid (TDS)	2140	mg/l	10	1
<b>HMW14 (2705030214)</b>				<b>Sampled on 05/02/07 13:45</b>				
	05/12/07 00:00	366329	( EPA 314 )	Perchlorate	ND	ug/l	10	5
05/08/07	05/08/07 17:46	366176	( SM 2540C )	Total Dissolved Solid (TDS)	1500	mg/l	10	1
<b>HMW15 (2705030215)</b>				<b>Sampled on 05/02/07 14:25</b>				
	05/11/07 00:01	366328	( EPA 314 )	Perchlorate	28	ug/l	4.0	2
05/08/07	05/08/07 17:46	366176	( SM 2540C )	Total Dissolved Solid (TDS)	3850	mg/l	10	1



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## Tronox LLC Henderson Plant (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>HMW16 (2705030216)      Sampled on 05/02/07 14:50</b>								
	05/11/07 00:00	366327	( EPA 314	) Perchlorate	4150	ug/l	200	50
05/08/07	05/08/07 17:46	366176	( SM 2540C	) Total Dissolved Solid (TDS)	4600	mg/l	10	1
<b>PC24 (2705030217)      Sampled on 05/02/07 15:15</b>								
	05/11/07 00:00	366327	( EPA 314	) Perchlorate	12900	ug/l	2000	500
	05/09/07 00:00	365633	( ML/EPA 6010B	) Chromium, Total, ICAP	0.11	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep	) Metals digestion performed.	Y	Yes/No	0	1
05/08/07	05/08/07 17:46	366176	( SM 2540C	) Total Dissolved Solid (TDS)	10100	mg/l	10	1
<b>PC50 (2705030218)      Sampled on 05/02/07 15:35</b>								
	05/09/07 00:04	365911	( EPA 314	) Perchlorate	324000	ug/l	40000	10000
	05/09/07 00:00	365633	( ML/EPA 6010B	) Chromium, Total, ICAP	0.13	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep	) Metals digestion performed.	Y	Yes/No	0	1
05/08/07	05/08/07 17:46	366176	( SM 2540C	) Total Dissolved Solid (TDS)	8550	mg/l	10	1
<b>EB050207 (2705030219)      Sampled on 05/02/07 15:45</b>								
	05/07/07 00:00	365697	( ML/EPA 9056	) Chlorate by IC	ND	ug/l	10	1
	05/11/07 00:01	366328	( EPA 314	) Perchlorate	ND	ug/l	4.0	1
	05/09/07 00:00	365633	( ML/EPA 6010B	) Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep	) Metals digestion performed.	Y	Yes/No	0	1
	05/03/07 14:16	366020	( ML/EPA 9056	) Nitrate as Nitrogen by IC	ND	mg/l	0.050	1
05/08/07	05/08/07 17:46	366176	( SM 2540C	) Total Dissolved Solid (TDS)	51	mg/l	10	1
<b>PC21A (2705030220)      Sampled on 05/02/07 16:10</b>								
	05/07/07 00:00	365697	( ML/EPA 9056	) Chlorate by IC	1080000	ug/l	100000	10000
	05/11/07 00:00	366327	( EPA 314	) Perchlorate	4350	ug/l	400	100
	05/09/07 00:00	365633	( ML/EPA 6010B	) Chromium, Total, ICAP	0.30	mg/l	0.020	2
	05/08/07 17:07		( EPA 200 Prep	) Metals digestion performed.	Y	Yes/No	0	1
	05/03/07 13:08	366020	( ML/EPA 9056	) Nitrate as Nitrogen by IC	42.9	mg/l	5.0	50
05/08/07	05/08/07 17:46	366176	( SM 2540C	) Total Dissolved Solid (TDS)	13150	mg/l	10	1





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QC Summary  
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Tronox LLC Henderson Plant

QC Ref #365633 - Chromium, Total, ICAP

Analysis Date: 05/09/2007

2705030203	M34	Analyzed by: wbh
2705030204	M35	Analyzed by: wbh
2705030205	PC64	Analyzed by: wbh
2705030206	PC31	Analyzed by: wbh
2705030207	PC31D	Analyzed by: wbh
2705030208	PC28	Analyzed by: wbh
2705030211	PC104	Analyzed by: wbh
2705030217	PC24	Analyzed by: wbh
2705030218	PC50	Analyzed by: wbh
2705030219	EB050207	Analyzed by: wbh
2705030220	PC21A	Analyzed by: wbh

QC Ref #365697 - Chlorate by IC

Analysis Date: 05/07/2007

2705030219	EB050207	Analyzed by: raja
2705030220	PC21A	Analyzed by: raja

QC Ref #365907 - Perchlorate

Analysis Date: 05/09/2007

2705030209	PC112	Analyzed by: raja
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QC Ref #365911 - Perchlorate

Analysis Date: 05/09/2007

2705030203	M34	Analyzed by: raja
2705030204	M35	Analyzed by: raja
2705030205	PC64	Analyzed by: raja
2705030208	PC28	Analyzed by: raja
2705030218	PC50	Analyzed by: raja

QC Ref #366020 - Nitrate as Nitrogen by IC

Analysis Date: 05/03/2007

2705030219	EB050207	Analyzed by: jkz
2705030220	PC21A	Analyzed by: jkz



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Tronox LLC Henderson Plant  
(continued)

QC Ref #366172 - Total Dissolved Solid (TDS) Analysis Date: 05/08/2007

2705030203	M34	Analyzed by: maria
2705030204	M35	Analyzed by: maria
2705030205	PC64	Analyzed by: maria
2705030206	PC31	Analyzed by: maria
2705030207	PC31D	Analyzed by: maria
2705030208	PC28	Analyzed by: maria

QC Ref #366176 - Total Dissolved Solid (TDS) Analysis Date: 05/08/2007

2705030209	PC112	Analyzed by: maria
2705030210	PC110	Analyzed by: maria
2705030211	PC104	Analyzed by: maria
2705030213	HMW13	Analyzed by: maria
2705030214	HMW14	Analyzed by: maria
2705030215	HMW15	Analyzed by: maria
2705030216	HMW16	Analyzed by: maria
2705030217	PC24	Analyzed by: maria
2705030218	PC50	Analyzed by: maria
2705030219	EB050207	Analyzed by: maria
2705030220	PC21A	Analyzed by: maria

QC Ref #366327 - Perchlorate Analysis Date: 05/11/2007

2705030206	PC31	Analyzed by: raja
2705030207	PC31D	Analyzed by: raja
2705030210	PC110	Analyzed by: raja
2705030211	PC104	Analyzed by: raja
2705030216	HMW16	Analyzed by: raja
2705030217	PC24	Analyzed by: raja
2705030220	PC21A	Analyzed by: raja

QC Ref #366328 - Perchlorate Analysis Date: 05/11/2007

2705030213	HMW13	Analyzed by: raja
2705030215	HMW15	Analyzed by: raja
2705030219	EB050207	Analyzed by: raja



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QC Summary  
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Tronox LLC Henderson Plant  
(continued)

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QC Ref #366329 - Perchlorate

Analysis Date: 05/12/2007

2705030214

HMW14

Analyzed by: raja



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## Tronox LLC Henderson Plant

### QC Ref #365633 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05030184	MGL		( 0-0 )	
LCS1	Chromium, Total, ICAP	1.00	0.993	MGL	99.3	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.946	MGL	94.6	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0098	MGL	98.0	( 50-150 )	
MS	Chromium, Total, ICAP	1.00	0.954	MGL	95.4	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	0.976	MGL	97.6	( 70-130 )	

### QC Ref #365697 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05010813	UGL		( 0-0 )	
LCS1	Chlorate by IC	200	201	UGL	100.5	( 90-110 )	
LCS2	Chlorate by IC	200	203	UGL	101.5	( 90-110 )	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.0	12.1	UGL	121.0	( 50-150 )	
MS	Chlorate by IC	100	96.3	UGL	96.3	( 75-125 )	
MSD	Chlorate by IC	100	92.8	UGL	92.8	( 75-125 )	
RPD_LCS	Chlorate by IC	100.500	101.500	UGL	1.0	( 0-20 )	
RPD_MS	Chlorate by IC	96.300	92.800	UGL	3.7	( 0-20 )	

### QC Ref #365907 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05020855	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	26.0	UGL	104.0	( 85-115 )	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	( 85-115 )	
LCS3	Perchlorate	4	3.76	UGL	94.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.7	UGL	94.8	( 80-120 )	
MSD	Perchlorate	25.0	23.8	UGL	95.2	( 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  
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## Tronox LLC Henderson Plant (continued)

RPD_LCS	Perchlorate	104.000	103.200	UGL	0.8	( 0-15 )
RPD_MS	Perchlorate	94.800	95.200	UGL	1.0	( 0-15 )

### QC Ref #365911 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05020848	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	24.0	UGL	96.0	( 85-115 )	
LCS2	Perchlorate	25.0	24.5	UGL	98.0	( 85-115 )	
LCS3	Perchlorate	4	3.68	UGL	92.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.5	UGL	94.0	( 80-120 )	
MSD	Perchlorate	25.0	23.2	UGL	92.8	( 80-120 )	
RPD_LCS	Perchlorate	96.000	98.000	UGL	2.1	( 0-15 )	
RPD_MS	Perchlorate	94.000	92.800	UGL	1.0	( 0-15 )	

### QC Ref #366020 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05020113	MGL		( 0-0 )	
LCS1	Nitrate as Nitrogen by IC	2.5	2.51	MGL	100.4	( 90-110 )	
LCS2	Nitrate as Nitrogen by IC	2.5	2.40	MGL	96.0	( 90-110 )	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.050	MGL	100.0	( 50-150 )	
MS	Nitrate as Nitrogen by IC	1.25	1.18	MGL	94.4	( 80-112 )	
MSD	Nitrate as Nitrogen by IC	1.25	1.18	MGL	94.4	( 80-112 )	
RPD_LCS	Nitrate as Nitrogen by IC	100.400	96.000	MGL	4.5	( 0-20 )	
RPD_MS	Nitrate as Nitrogen by IC	94.400	94.400	MGL	0.0	( 0-20 )	

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Tronox LLC Henderson Plant  
(continued)

QC Ref #366172                      Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05030127	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	9250	9950	MGL		( 0-10 )	7.3
LCS1	Total Dissolved Solid (TDS)	175	174	MGL	99.4	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	652	MGL	93.1	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	7	MGL	70.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	99.429	93.143	MGL	6.5	( 0-20 )	

QC Ref. #366176                      Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05030209	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	2170	2110	MGL		( 0-10 )	2.8
LCS1	Total Dissolved Solid (TDS)	175	174	MGL	99.4	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	638	MGL	91.1	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	99.429	91.143	MGL	8.7	( 0-20 )	

QC Ref #366327                      Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05030206	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.7	UGL	94.8	( 85-115 )	
LCS2	Perchlorate	25.0	24.1	UGL	96.4	( 85-115 )	
LCS3	Perchlorate	4	3.67	UGL	91.8	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.3	UGL	85.2	( 80-120 )	
MSD	Perchlorate	25.0	21.3	UGL	85.2	( 80-120 )	

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## Tronox LLC Henderson Plant (continued)

RPD_LCS	Perchlorate	94.800	96.400	UGL	1.7	( 0-15 )
RPD_MS	Perchlorate	85.200	85.200	UGL	1.0	( 0-15 )

### QC Ref #366328 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05090908	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.8	UGL	103.2	( 85-115 )	
LCS2	Perchlorate	25.0	26.6	UGL	106.4	( 85-115 )	
LCS3	Perchlorate	4	4.55	UGL	113.8	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.9	UGL	95.6	( 80-120 )	
MSD	Perchlorate	25.0	22.6	UGL	90.4	( 80-120 )	
RPD_LCS	Perchlorate	103.200	106.400	UGL	3.1	( 0-15 )	
RPD_MS	Perchlorate	95.600	90.400	UGL	0.9	( 0-15 )	

### QC Ref #366329 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05090805	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	24.3	UGL	97.2	( 85-115 )	
LCS2	Perchlorate	25.0	24.0	UGL	96.0	( 85-115 )	
LCS3	Perchlorate	4	4.03	UGL	100.8	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.1	UGL	92.4	( 80-120 )	
MSD	Perchlorate	25.0	24.0	UGL	96.0	( 80-120 )	
RPD_LCS	Perchlorate	97.200	96.000	UGL	1.2	( 0-15 )	
RPD_MS	Perchlorate	92.400	96.000	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.