



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
Sep 09 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 249949
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 15 page[s].



BUILDING A BETTER WORLD

September 10, 2008

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

Subject: Case Narrative report 249949

Enclosed is MWH Laboratories Report 249949

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 6, 2008 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:

Several samples for hexavalent chromium were received past the RCRA 24 hour holding time.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Several samples had TDS values that were not consistent with historical data or the conductivity. Those samples were rechecked to confirm original values.

Sincerely,

A handwritten signature in cursive script that reads "Andrew Eaton".

Andrew Eaton, PhD
Project Manager



CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES

2499149

MWLABS USE ONLY:

760 Royal Oaks Ave, Suite 100, Montrovia, CA 91016
(626) 386-1100 (800) 566-5227

LOG IN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS/SS

SAMPLE TEMP, RECEIPT AT LAB: 20

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#
Quarterly Groundwater Sampling
Schedule B

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES (check for yes)

KERRMCGEE-MP

Sampler Michele Brown

Michele Brown

Tronox LLC - Henderson Plant

PO Box 65

Henderson, NV 89009

Susan Crowley (702) 651-2234

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)							SAMPLER Comments	
							CR 6010	PH 9040	TDS	CLO4	CRM 7196	CLO3 9056	NO3 9056		See Bottle Order
4:33	8-5-08		I-AA	RGW	X		X	X	X	X					2 Bottles
4:49	8-5-08		M-131	RGW	X		X	X	X	X					2 Bottles
5:18	8-5-08		M-64	RGW	X		X	X	X	X					2 Bottles
5:37	8-5-08		M-65	RGW	X		X	X	X	X					2 Bottles
5:57	8-5-08		M-66	RGW	X		X	X	X	X					2 Bottles
6:13	8-5-08		M-79	RGW	X		X	X	X	X					2 Bottles
6:28	8-5-08		M-69	RGW	X		X	X	X	X					2 Bottles
6:39	8-5-08		M-135	RGW	X		X	X	X	X					2 Bottles
7:11	8-5-08		M-98	RGW	X		X	X	X	X					2 Bottles
7:51	8-5-08		M-99	RGW	X		X	X	X	X					2 Bottles
9:03	8-5-08		M-35	RGW	X		X	X	X	X					2 Bottles
8:45	8-5-08		M-57A	RGW	X		X	X	X	X					2 Bottles

* 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 Weight:
SO = Soil
SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY: Michele Brown
RECEIVED BY: [Signature]
RELINQUISHED BY: [Signature]
RECEIVED BY: [Signature]

Veolia Water NA for Tronox LLC - Henderson Plant
[Signature]

8-5-08 12:00PM
8/5/08 10:00



CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES

MW LABS USE ONLY:

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: SS/SS

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: PROJECT JOB # / P.O.#
 KERRIMCGEE-MP Quaternary Groundwater Sampling
 Schedule B

Sampler: Michele Brown
 Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
 PO Box 85
 Henderson, NV 89009

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)										SAMPLER Comments	
							CR 6010	PH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order				
	930 8508		M-34	RGW	X		X	X	X	X	X	X	X	X	X			Bottles
	935 8508		EB-1	RGW	X		X	X	X	X	X	X	X	X	X			Bottles
	8508		MD-5	RGW	X		X	X	X	X	X	X	X	X	X			Bottles
				RGW	X		X	X	X	X	X	X	X	X	X			Bottles
				RGW	X		X	X	X	X	X	X	X	X	X			Bottles
				RGW	X		X	X	X	X	X	X	X	X	X			Bottles
				RGW	X		X	X	X	X	X	X	X	X	X			Bottles
				RGW	X		X	X	X	X	X	X	X	X	X			Bottles
				RGW	X		X	X	X	X	X	X	X	X	X			Bottles
				RGW	X		X	X	X	X	X	X	X	X	X			Bottles
				RGW	X		X	X	X	X	X	X	X	X	X			Bottles

* MATRIX TYPES: Reported by Volume: **RGW** = Raw Ground Water
CFW = Chlor(amin)ated Finished Water
FW = Other Finished Water

Reported by Weight: **SO** = Soil
SL = Sludge
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

RELINQUISHED BY: Michele Brown SIGNATURE: [Signature] PRINT NAME: Michele Brown

RECEIVED BY: [Signature] COMPANY/TITLE: Veolia Water NA for Tronox LLC - Henderson Plant

RELINQUISHED BY: [Signature] DATE: 8-5-08 TIME: 12:00PM

RECEIVED BY: [Signature] DATE: 8-6-08 TIME: 10:00



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

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

Bottle Order for Tronox LLC - Henderson Standing

Client Code KERRMCGEE-MP
 Project Code CLO4
 PO# / Job#
 Blanket PO

Period
 Q Quarterly
 Week 1

SO# 43379 33899 RS 0 **Sampler: Please Return this Paper with your samples**

Created by MWH
 Order Date 06/23/05

Ship Sample Kits to
 Tronox LLC-Veolia Water
 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
 P.O. Box 3049
 Livonia, MI 48150

ATTN: Susan Crowley
 PHONE: 702-651-2234

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

Quote#
 MWH

SHIP LOCATION

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

UJN#

Important Comments

# of Samples	Tests	UJN#	Important Comments
101	CR6010	UN 2031	QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS
101	CLO4, TDS, PH9040		First, Third, and fourth quarters
15	CRV17196		NOTIFY LAB AS SOON AS CR-VI COMES IN. - 24HR HI
			TDS count increased to 101 effective 6/16/06.; deleted EC as of 7-14-06

Prepared By

Carrier Qty of Coolers Tracking Number

Date Shipped

ActiveCode Status

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143277

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC
 the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER Federal Express		Date 08/05/08	FROM NO. STATION: STATE Henderson, NV 89015	
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization S. CROWLEY		FULL NAME OF SHIPPER TRONOX LLC CODE NO. WCN IS 1321.10400
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		CUSTOMER PO OR REQ'N NO.		
N/AR		SHIPPED FROM Henderson, NV		f it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY	
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 35 Lbs One ice chest @ 24 Lbs One ice chest @ 52 Lbs One ice chest @ 58 Lbs Not Regulated		4 COOLERS	Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement: The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. TRONOX LLC
TRUCK SHIPMENTS PLACARDS OFFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PLACARDS ACCEPTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT 800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	
		0		
1	TOTAL GROSS WEIGHT 169	TOTAL TARE WEIGHT 0	169	"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per				
THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.				
TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859		PER Carron Williams	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015



CLS8539982124

Ship Date: 05AUG08
ActWgt: 52 LB
System#: 2274147/INET8061
Account#: S *****

Delivery Address Bar Code



Ref # MSO #143277
Invoice #
PO #
Dept #

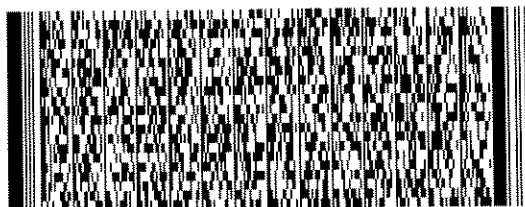
SHIP TO: 6265686400 **BILL SENDER**

**ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100**

MONROVIA, CA 910163629

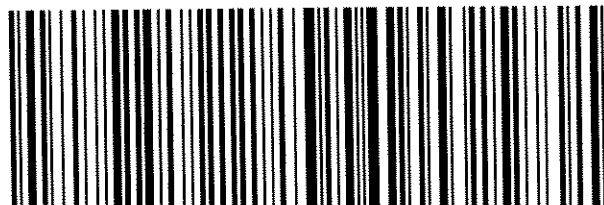
**WED - 06AUG A2
PRIORITY OVERNIGHT**

TRK# 7920 9257 4967
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.

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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#: 249949
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **08/06/08**. 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
2808070384	I-AA	CLO4 CR6010	Water	05-aug-2008 04:33:00
2808070394	M-131	CLO4 CR6010	Water	05-aug-2008 04:49:00
2808070395	M-64	CLO4 CR6010	Water	05-aug-2008 05:18:00
2808070396	M-65	CLO4 CR6010	Water	05-aug-2008 05:37:00
2808070397	M-66	CLO4 CR6010	Water	05-aug-2008 05:57:00
2808070399	M-79	CLO4 CR6010	Water	05-aug-2008 06:13:00
2808070400	M-69	CLO4 CR6010	Water	05-aug-2008 06:28:00
2808070401	M-135	CLO4 CR6010	Water	05-aug-2008 06:39:00
2808070402	M-99	CLO4 CR6010	Water	05-aug-2008 06:51:00
2808070403	M-25	CLO4 CR6010	Water	05-aug-2008 09:03:00
2808070404	M-57A	CLO4 CR6010	Water	05-aug-2008 08:45:00
2808070410	M-37	CLO4 CR6010	Water	05-aug-2008 09:30:00
		TDS		
2808070418	EB-1	CLO4 CR6010	Water	05-aug-2008 09:35:00
		TDS	CRVI7196 P	PH9040 T
2808070427	MD-5	CLO4 CR6010	Water	05-aug-2008 00:00:00
			P	PH9040 T

Test Acronym Description

Test Acronym	Description
--------------	-------------

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#: 249949
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)



MWH Laboratories


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1 800 566 LABS (1 800 566 5227)

Report
Comments
#249949

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

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Laboratory
Hits Report
#249949

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

Samples Received
06-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070384	I-AA				
08/17/08		Chromium, Total, ICAP	0.070		mg/l	0.010
08/15/08		Metals digestion performed.	Y		Yes/No	
08/07/08		PH (H3=past HT, not compliant)	7.8		Units	0.0010
08/16/08		Perchlorate	129000		ug/l	8000
08/12/08		Total Dissolved Solid (TDS)	3340	500	mg/l	10
	2808070394	M-131				
08/17/08		Chromium, Total, ICAP	0.093		mg/l	0.020
08/15/08		Metals digestion performed.	Y		Yes/No	
08/07/08		PH (H3=past HT, not compliant)	7.8		Units	0.0010
08/16/08		Perchlorate	70200		ug/l	4000
08/12/08		Total Dissolved Solid (TDS)	2940	500	mg/l	10
	2808070395	M-64				
08/17/08		Chromium, Total, ICAP	8.3		mg/l	0.050
08/15/08		Metals digestion performed.	Y		Yes/No	
08/07/08		PH (H3=past HT, not compliant)	7.7		Units	0.0010
08/16/08		Perchlorate	605000		ug/l	40000
08/12/08		Total Dissolved Solid (TDS)	7570	500	mg/l	10
	2808070396	M-65				
08/17/08		Chromium, Total, ICAP	35		mg/l	0.10
08/15/08		Metals digestion performed.	Y		Yes/No	
08/07/08		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/16/08		Perchlorate	1410000		ug/l	80000
08/12/08		Total Dissolved Solid (TDS)	17500	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



750 Royal Oaks Drive, Suite 100
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 1 800 566 LABS (1 800 566 5227)

Laboratory
 Hits Report
 #249949

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

Samples Received
 06-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070397	M-66				
	2808070397	M-66				
08/17/08	Chromium, Total, ICAP		35		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/16/08	Perchlorate		1740000		ug/l	80000
08/12/08	Total Dissolved Solid (TDS)		10100	500	mg/l	10
	2808070399	M-79				
08/17/08	Chromium, Total, ICAP		0.096		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
08/31/08	Perchlorate		15100		ug/l	800
08/12/08	Total Dissolved Solid (TDS)		4270	500	mg/l	10
	2808070400	M-69				
08/17/08	Chromium, Total, ICAP		0.120		mg/l	0.010
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/20/08	Perchlorate		740000		ug/l	40000
08/12/08	Total Dissolved Solid (TDS)		4920	500	mg/l	10
	2808070401	M-135				
08/17/08	Chromium, Total, ICAP		0.088		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#249949

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

Samples Received
06-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070401	M-135				
08/16/08	Perchlorate		46700		ug/l	2000
08/12/08	Total Dissolved Solid (TDS)		3380	500	mg/l	10
	2808070402	M-99				
08/17/08	Chromium, Total, ICAP		0.32		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/16/08	Perchlorate		251000		ug/l	20000
08/12/08	Total Dissolved Solid (TDS)		4210	500	mg/l	10
	2808070403	M-25				
08/17/08	Chromium, Total, ICAP		13		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/16/08	Perchlorate		452000		ug/l	20000
08/12/08	Total Dissolved Solid (TDS)		9300	500	mg/l	10
	2808070404	M-57A				
08/17/08	Chromium, Total, ICAP		0.077		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/16/08	Perchlorate		26100		ug/l	2000
08/12/08	Total Dissolved Solid (TDS)		3090	500	mg/l	10
	2808070410	M-37				
08/17/08	Chromium, Total, ICAP		0.031		mg/l	0.020

SUMMARY OF POSITIVE DATA ONLY.



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A Division of MWH Americas, Inc.

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Fax: 626 386 1101
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Laboratory
Hits Report
#249949

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

Samples Received
06-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070410	M-37				
08/06/08		Hexavalent chromium (Cr VI)	0.033		mg/l	0.0050
08/15/08		Metals digestion performed.	Y		Yes/No	
08/07/08		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/16/08		Perchlorate	2100000		ug/l	200000
08/12/08		Total Dissolved Solid (TDS)	6070	500	mg/l	10
	2808070418	EB-1				
08/15/08		Metals digestion performed.	Y		Yes/No	
08/07/08		PH (H3=past HT, not compliant)	6.2		Units	0.0010
08/16/08		Perchlorate	255		ug/l	20
08/12/08		Total Dissolved Solid (TDS)	18	500	mg/l	10
	2808070427	MD-5				
08/17/08		Chromium, Total, ICAP	35		mg/l	0.10
08/15/08		Metals digestion performed.	Y		Yes/No	
08/07/08		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/20/08		Perchlorate	1400000		ug/l	80000
08/12/08		Total Dissolved Solid (TDS)	18300	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Data Report
#249949

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

Samples Received
08/06/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-AA (2808070384)				Sampled on 08/05/08 04:33				
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	129000	ug/l	8000	2000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.070	mg/l	0.010	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3340	mg/l	10	1
M-131 (2808070394)				Sampled on 08/05/08 04:49				
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	70200	ug/l	4000	1000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.093	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2940	mg/l	10	1
M-64 (2808070395)				Sampled on 08/05/08 05:18				
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	605000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	8.3	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7570	mg/l	10	1
M-65 (2808070396)				Sampled on 08/05/08 05:37				
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	1410000	ug/l	80000	20000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	35	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	17500	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-66 (2808070397)			Sampled on 08/05/08 05:57					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	1740000	ug/l	80000	20000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	35	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10100	mg/l	10	1
M-79 (2808070399)			Sampled on 08/05/08 06:13					
	08/31/08 18:26	448584	(EPA 314)	Perchlorate	15100	ug/l	800	200
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.096	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4270	mg/l	10	1
M-69 (2808070400)			Sampled on 08/05/08 06:28					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	740000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.120	mg/l	0.010	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4920	mg/l	10	1
M-135 (2808070401)			Sampled on 08/05/08 06:39					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	46700	ug/l	2000	500
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.088	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3380	mg/l	10	1
M-99 (2808070402)			Sampled on 08/05/08 06:51					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	251000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.32	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4210	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-25 (2808070403)			Sampled on 08/05/08 09:03					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	452000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9300	mg/l	10	1
M-57A (2808070404)			Sampled on 08/05/08 08:45					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	26100	ug/l	2000	500
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.077	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3090	mg/l	10	1
M-37 (2808070410)			Sampled on 08/05/08 09:30					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	2100000	ug/l	200000	50000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.031	mg/l	0.020	2
	08/06/08 17:21	442724	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.033	mg/l	0.0050	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6070	mg/l	10	1
EB-1 (2808070418)			Sampled on 08/05/08 09:35					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	255	ug/l	20	5
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/06/08 17:21	442724	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.0050	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.2	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MD-5 (2808070427)				Sampled on 08/05/08 00:00				
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	1400000	ug/l	80000	20000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	35	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18300	mg/l	10	1



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 QC Summary
 #249949

Tronox LLC - Henderson

QC Ref #0 - Metals Turbidity Analysis Date: 08/08/2008

2808070384	I-AA	Analyzed by: jrf
2808070384	I-AA	Analyzed by: jrf
2808070394	M-131	Analyzed by: jrf
2808070394	M-131	Analyzed by: jrf
2808070395	M-64	Analyzed by: jrf
2808070395	M-64	Analyzed by: jrf
2808070396	M-65	Analyzed by: jrf
2808070396	M-65	Analyzed by: jrf
2808070397	M-66	Analyzed by: jrf
2808070397	M-66	Analyzed by: jrf
2808070399	M-79	Analyzed by: jrf
2808070399	M-79	Analyzed by: jrf
2808070400	M-69	Analyzed by: jrf
2808070400	M-69	Analyzed by: jrf
2808070401	M-135	Analyzed by: jrf
2808070401	M-135	Analyzed by: jrf
2808070402	M-99	Analyzed by: jrf
2808070402	M-99	Analyzed by: jrf
2808070403	M-25	Analyzed by: jrf
2808070403	M-25	Analyzed by: jrf
2808070404	M-57A	Analyzed by: jrf
2808070404	M-57A	Analyzed by: jrf
2808070410	M-37	Analyzed by: jrf
2808070410	M-37	Analyzed by: jrf
2808070418	EB-1	Analyzed by: jrf
2808070418	EB-1	Analyzed by: jrf
2808070427	MD-5	Analyzed by: jrf
2808070427	MD-5	Analyzed by: jrf

QC Ref #442724 - Hexavalent chromium (Cr VI) Analysis Date: 08/06/2008

2808070410	M-37	Analyzed by: azs
2808070418	EB-1	Analyzed by: azs

QC Ref #443193 - PH (H3=past HT, not compliant) Analysis Date: 08/07/2008

2808070384	I-AA	Analyzed by: yvette
2808070394	M-131	Analyzed by: yvette
2808070395	M-64	Analyzed by: yvette
2808070396	M-65	Analyzed by: yvette
2808070397	M-66	Analyzed by: yvette



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Tronox LLC - Henderson
(continued)

2808070399	M-79	Analyzed by: yvette
2808070400	M-69	Analyzed by: yvette
2808070401	M-135	Analyzed by: yvette
2808070402	M-99	Analyzed by: yvette
2808070403	M-25	Analyzed by: yvette
2808070404	M-57A	Analyzed by: yvette
2808070410	M-37	Analyzed by: yvette
2808070418	EB-1	Analyzed by: yvette
2808070427	MD-5	Analyzed by: yvette

QC Ref #445531 - Chromium, Total, ICAP

Analysis Date: 08/17/2008

2808070384	I-AA	Analyzed by: csk
2808070394	M-131	Analyzed by: csk
2808070395	M-64	Analyzed by: csk
2808070396	M-65	Analyzed by: csk
2808070397	M-66	Analyzed by: csk
2808070399	M-79	Analyzed by: csk
2808070400	M-69	Analyzed by: csk
2808070401	M-135	Analyzed by: csk
2808070402	M-99	Analyzed by: csk
2808070403	M-25	Analyzed by: csk
2808070404	M-57A	Analyzed by: csk
2808070410	M-37	Analyzed by: csk
2808070418	EB-1	Analyzed by: csk
2808070427	MD-5	Analyzed by: csk

QC Ref #445648 - Perchlorate

Analysis Date: 08/16/2008

2808070384	I-AA	Analyzed by: ser
2808070394	M-131	Analyzed by: ser
2808070395	M-64	Analyzed by: ser
2808070396	M-65	Analyzed by: ser
2808070397	M-66	Analyzed by: ser
2808070401	M-135	Analyzed by: ser
2808070402	M-99	Analyzed by: ser
2808070403	M-25	Analyzed by: ser
2808070404	M-57A	Analyzed by: ser
2808070410	M-37	Analyzed by: ser
2808070418	EB-1	Analyzed by: ser



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QC Summary
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Tronox LLC - Henderson
(continued)

QC Ref #445710 - Total Dissolved Solid (TDS) Analysis Date: 08/12/2008

2808070384	I-AA	Analyzed by: axa
2808070394	M-131	Analyzed by: axa
2808070395	M-64	Analyzed by: axa
2808070396	M-65	Analyzed by: axa
2808070397	M-66	Analyzed by: axa
2808070399	M-79	Analyzed by: axa
2808070400	M-69	Analyzed by: axa
2808070401	M-135	Analyzed by: axa
2808070402	M-99	Analyzed by: axa
2808070403	M-25	Analyzed by: axa
2808070404	M-57A	Analyzed by: axa
2808070410	M-37	Analyzed by: axa
2808070418	EB-1	Analyzed by: axa
2808070427	MD-5	Analyzed by: axa

QC Ref #446058 - Perchlorate Analysis Date: 08/20/2008

2808070400	M-69	Analyzed by: ser
2808070427	MD-5	Analyzed by: ser

QC Ref #448584 - Perchlorate Analysis Date: 08/31/2008

2808070399	M-79	Analyzed by: ser
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QC Report
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Tronox LLC - Henderson

QC Ref #442724 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08070222	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.056	MGL	112.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.057	MGL	114.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.051	MGL	102.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.054	MGL	108.0	(70-130)	

QC Ref #443193 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.78	7.78	UNIT		(0-20)	0.0

QC Ref #445531 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08070384	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(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	0.0112	MGL	112.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.995	MGL	99.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.009	MGL	100.9	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.980	MGL	98.0	(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.

Tronox LLC - Henderson
 (continued)

QC Ref #445648 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08070418	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.8	UGL	103.2	(85-115)	
LCS2	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS3	Perchlorate	4	4.20	UGL	105.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.1	UGL	92.4	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	103.200	104.000	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	92.400	99.600	UGL	1.1	(0-15)	

QC Ref #445710 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08070352	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	492	484	MGL		(0-10)	1.6
LCS1	Total Dissolved Solid (TDS)	175	160	MGL	91.4	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	650	MGL	92.9	(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)	91.429	92.857	MGL	1.5	(0-20)	

QC Ref #446058 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080266	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.1	UGL	104.4	(85-115)	
LCS2	Perchlorate	25.0	27.1	UGL	108.4	(85-115)	
LCS3	Perchlorate	4	4.42	UGL	110.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

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
(continued)

MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)
MSD	Perchlorate	25.0	26.5	UGL	106.0	(80-120)
RPD_LCS	Perchlorate	104.400	108.400	UGL	3.8	(0-15)
RPD_MS	Perchlorate	100.800	106.000	UGL	1.1	(0-15)

QC Ref #448584

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08200475	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.5	UGL	102.0	(85-115)	
LCS2	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS3	Perchlorate	4	4.13	UGL	103.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.1	UGL	96.4	(80-120)	
MSD	Perchlorate	25.0	23.8	UGL	95.2	(80-120)	
RPD_LCS	Perchlorate	102.000	100.000	UGL	2.0	(0-15)	
RPD_MS	Perchlorate	96.400	95.200	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.