



A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-0629  
Tel: 626 386 1100  
Fax: 626 386 1101  
1 800 566 LABS (1 800 566 5227)

## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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

DATE OF ISSUE  
Jun 16 2008  
MWH LABORATORIES

A handwritten signature in black ink, appearing to read "A. Eaton".

ADE Andy Eaton  
Project Manager



Report#: 240610  
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 31 page[s].



## 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)

June 17, 2008

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

Subject: Case Narrative report 240610

Enclosed is MWH Laboratories Report 240610

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on May 13, 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.

Note that ion chromatography tests with holding times greater than 72 hours do not have actual analysis times shown on the hardcopy. Instead they either have 00:00 or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton, PhD  
Project Manager



750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016  
(626) 366-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: 2

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE:  FROZEN  PARTIALLY FROZEN  THAWED

240610

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

KERRMCGEE-MP

Sampler Wendy Prescott

Susan Crowley

UIC permit - Water Supply Profile 1

Kerr-McGee Chemical LLC  
PO Box 55  
Henderson, NV 89009

(928) 861-2234

TIME DATE LOCATION IDENTIFIER, STATE ID# MATRIX \* GRAB COMP

10:00 5/12/2008 Stabilized Water RSW X

SEE BOTTLE ORDER

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

SAMPLER COMMENTS

\* MATRIX TYPES:

Reported by Volume:

CFW = Chloro(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

Wendy Prescott  
JOE SANCATOR

PRINT NAME

Wendy Prescott

COMPANY/TITLE

Veolia Water NA for Kerr-McGee Chemical LLC

MWH

TIME

5/12/2008 1200pm

RECEIVED BY:

RECEIVED BY:

SCANNED



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

**Bottle Order for Ironox LLC, Henderson Standing**

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

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

M Monthly  
Week 1

SO# 42069 12996 RS

**Sampler: Please Return this Paper with your samples**

0 Ship Sample Kits to  
Veolia Water-Tronox LLC  
Gate 1  
8000 West Lake Mead Drive  
Henderson, NV 89015

Billing Address  
Ironox LLC  
Attn: Accounts Payable  
P.O. BOX 268859  
Oklahoma City, OK 73126-8859

ATTN: Susan Crowley  
PHONE: 702-651-2234

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

Quote#

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

# of Samples Tests

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
1	@VOAPP	3 40ml amber glass vials + 4 drops HCL(36%)	UN 1789	Monthly standing order - sampleID= Stabilized Water
1	CLO4	1 125ml poly /no preservative		
1	WCN	1 250 ml poly + 1 ml NaOH (25%)	UN 1824	
1	GEN MIN. METALS, B	4: 2 500ml poly + 1 125ml poly no pres& 1 250ml acid rinsed+ 1ml HNO3	UN 2031	

**Login use profile - #KERRMO**

(profile consists of:

- voapp, pb-ms, mg, mn-ms,
- clo4, ni-ms, ph, k, se-ms,
- wcn, ag-ms, na, sc4, tl-ms
- alk ids, zn
- al-ms, sb-ms, ba-ms, be-ms
- B, cd-ms, ca, cl, cr-ms
- cu-ms, f, fe

Please sample the second FULL week of Each month (e.g. wk of 5/12) except in January 2003 (wk of 1/20)



Active Code Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

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: 143114

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 <b>Federal Express</b>		Date <b>05/12/08</b>	FROM NO. STATION: STATE <b>Henderson, NV 89015</b>
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization <b>S. CROWLEY</b>	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC	
N/AR		CUSTOMER PO OR REQ'N NO.	CODE NO. WCN IS <b>1321.10400</b> If 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.
SHIPPED FROM <b>Henderson, NV</b>	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. <b>TRONOX LLC</b>		
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	<b>Ice Chest with water samples Stabilized Water. One Ice chest @18 lbs Not Regulated</b>		<b>1 COOLER</b>
TRUCK SHIPMENTS		The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.	
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
	1	TOTAL GROSS WEIGHT 18	TOTAL TARE WEIGHT 0
			NET WEIGHT 18
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 <b>Lemma Hunde</b>	AGENT	PER

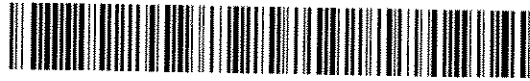
SCANNED

From: Origin ID: LASA (702)651-2220  
KERR-MCGEE CHEMICAL  
KERR-MCGEE CHEMICAL  
8000 LAKE MEAD DRIVE  
SHIPPING DEPARTMENT  
HENDERSON, NV 89015



Ship Date: 12MAY08  
ActWgt: 18 LB  
System#: 2274147/NET8010  
Account#: S \*\*\*\*\*

Delivery Address Bar Code



Ref # MSO #143114 - 18 LBS  
Invoice #  
PO #  
Dept #

SHIP TO: 626-568-6400

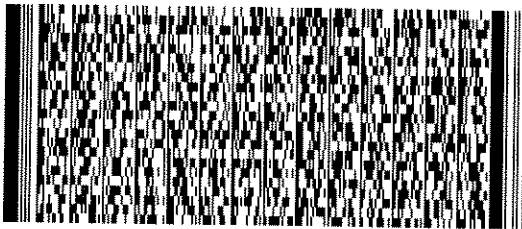
BILL SENDER

**ATTN: MONTGOMERY LABS RECEIVING**  
**MONTGOMERY WATSON LABS**  
**750 ROYAL OAKS AVENUE**  
**#100**  
**MONROVIA, CA 91016**

CLS1267672124

TRK# 7918 9967 1240  
0201

TUE - 13MAY A2  
PRIORITY OVERNIGHT

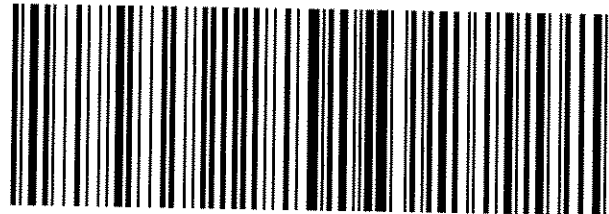


91016

CA-US

BUR

**QZ WHPA**



**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

SCANNED

**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#: 240610  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **05/13/08**. 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		
2805130463	STABILIZED WATER		Water	12-may-2008 10:00:00		
	@VOAPP	AG-MS	AL-MS	ALK	ANION1	AS-MS
	B	BA-MS	BALANCE	BE-MS	CA	CATION1
	CD-MS	CL	CLO4	CO3	CR-MS	CU-MS
	EC	F	FE	HCO3	HG	K
	MG	MN-MS	NA	NI-MS	NO3	OH
	PB-MS	PH	SB-MS	SE-MS	SO4	TDS
	TL-MS	WCN	ZN			

Test Acronym Description

Test Acronym	Description
@VOAPP	Volatile Organics HSL
AG-MS	Silver, Total, ICAP/MS
AL-MS	Aluminum, Total, ICAP/MS
ALK	Alkalinity in CaCO3 units
ANION1	Anion Sum - Calculated
AS-MS	Arsenic, Total, ICAP/MS
B	Boron, Total, ICAP
BA-MS	Barium, Total, ICAP/MS
BALANCE	Ionic Balance - Calculated
BE-MS	Beryllium, Total, ICAP/MS
CA	Calcium, Total, ICAP
CATION1	Cation Sum - Calculated
CD-MS	Cadmium, Total, ICAP/MS
CL	Chloride
CLO4	Perchlorate
CO3	Carbonate as CO3; Calculated
CR-MS	Chromium, Total, ICAP/MS
CU-MS	Copper, Total, ICAP/MS
EC	Specific Conductance
F	Fluoride
FE	Iron, Total, ICAP

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#: 240610  
Project#: CLO4  
Proj Mgr: Andrew Eaton  
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
HCO3	Bicarb. Alkalinity as HCO3, calc
HG	Mercury
K	Potassium, Total, ICAP
MG	Magnesium, Total, ICAP
MN-MS	Manganese, Total, ICAP/MS
NA	Sodium, Total, ICAP
NI-MS	Nickel, Total, ICAP/MS
NO3	Nitrate as Nitrogen by IC
OH	Hydroxide as OH, Calculated
PB-MS	Lead, Total, ICAP/MS
PH	PH (H3=past HT, not compliant)
SB-MS	Antimony, Total, ICAP/MS
SE-MS	Selenium, Total, ICAP/MS
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)
TL-MS	Thallium, Total, ICAP/MS
WCN	Weak Acid Dissociable Cyanide
ZN	Zinc, Total, ICAP





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Report  
Comments  
#240610

## 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: 



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 Monrovia, California 91016-3829  
 Tel: 626 386 1100  
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 1 800 566 LABS (1 800 566 5227)

Laboratory  
 Hits Report  
 #240610

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

Samples Received  
 13-may-2008 17:00:12

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2805130463	STABILIZED WATER				
05/20/08		Carbon disulfide	0.6		ug/l	0.5
05/20/08		Chloroform (Trichloromethane)	1.3		ug/l	0.5
05/20/08		Dichlorobromomethane	1.2		ug/l	0.5
05/14/08		Alkalinity in CaCO3 units	101		mg/l	2.0
05/19/08		Anion Sum - Calculated	11.		meq/l	0.0010
05/21/08		Arsenic, Total, ICAP/MS	2.7	10	ug/l	1.0
05/21/08		Barium, Total, ICAP/MS	140	2000	ug/l	2.0
05/19/08		Bicarb.Alkalinity as HCO3,calc	122.		mg/l	2.0
05/15/08		Boron, Total, ICAP	0.15		mg/l	0.10
05/15/08		Calcium, Total, ICAP	81		mg/l	2.0
05/19/08		Carbonate as CO3, Calculated	2.0		mg/l	2.0
05/19/08		Cation Sum - Calculated	11.		meq/l	0.0010
05/13/08		Chloride	100	250	mg/l	5.0
05/21/08		Chromium, Total, ICAP/MS	2	100	ug/l	1.0
05/21/08		Copper, Total, ICAP/MS	120	1300	ug/l	2.0
05/19/08		Fluoride	0.31	4	mg/l	0.050
05/15/08		Magnesium, Total, ICAP	31		mg/l	0.20
05/13/08		Nitrate as Nitrogen by IC	0.86	10	mg/l	0.50
05/13/08		PH (H3=past HT, not compliant)	8.4	6.5-8.5	Units	0.010
05/15/08		Potassium, Total, ICAP	5.3		mg/l	2.0
05/15/08		Sodium, Total, ICAP	93		mg/l	2.0
05/14/08		Specific Conductance	1060		umho/cm	2.0
05/13/08		Sulfate	280	250	mg/l	2.5
05/18/08		Total Dissolved Solid (TDS)	696	500	mg/l	10
05/15/08		Zinc, Total, ICAP	0.11		mg/l	0.040

SUMMARY OF POSITIVE DATA ONLY.



# MWH Laboratories

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Laboratory  
Data Report  
#240610

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

Samples Received  
05/13/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>STABILIZED WATER (2805130463)</b>					<b>Sampled on 05/12/08 10:00</b>			
	05/21/08 08:13	427977	( ML/EPA 200.8 )	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	05/21/08 08:13	427879	( ML/EPA 200.8 )	Aluminum, Total, ICAP/MS	ND	ug/l	20	1
	05/14/08 00:00	426755	( SM 2320B )	Alkalinity in CaCO3 units	101	mg/l	2.0	1
	05/19/08 09:47		( ML/SM1030E )	Anion Sum - Calculated	11.	meq/l	0.0010	1
	05/21/08 08:13	427948	( ML/EPA 200.8 )	Arsenic, Total, ICAP/MS	2.7	ug/l	1.0	1
	05/15/08 02:19	426887	( ML/EPA 200.7 )	Boron, Total, ICAP	0.15	mg/l	0.10	2
	05/21/08 08:13	427829	( ML/EPA 200.8 )	Barium, Total, ICAP/MS	140	ug/l	2.0	1
	05/22/08 12:09	428239	( ML/EPA 200.8 )	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	05/15/08 02:19	426889	( ML/EPA 200.7 )	Calcium, Total, ICAP	81	mg/l	2.0	2
	05/19/08 09:41		( SM 1030E )	Cation Sum - Calculated	11.	meq/l	0.0010	1
	05/21/08 08:13	427991	( ML/EPA 200.8 )	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	05/13/08 19:23	426561	( ML/EPA 300.0 )	Chloride	100	mg/l	5.0	5
	06/01/08 04:25	429922	( EPA 314 )	Perchlorate	ND	ug/l	4.0	2
	05/19/08 08:55		( SM 2330B )	Carbonate as CO3, Calculated	2.0	mg/l	2.0	1
	05/21/08 08:13	427890	( ML/EPA 200.8 )	Chromium, Total, ICAP/MS	2	ug/l	1.0	1
	05/21/08 08:13	427923	( ML/EPA 200.8 )	Copper, Total, ICAP/MS	120	ug/l	2.0	1
	05/14/08 00:00	427036	( SM 2510E )	Specific Conductance	1060	umho/cm	2.0	1
	05/19/08 10:04	427734	( SM 4500F-C )	Fluoride	0.31	mg/l	0.050	1
	05/15/08 02:19	426893	( ML/EPA 200.7 )	Iron, Total, ICAP	ND	mg/l	0.040	2
	05/19/08 08:29		( SM 2330B )	Bicarb.Alkalinity as HCO3,calc	122.	mg/l	2.0	1
	05/17/08 10:37	427289	( EPA 245.1 )	Mercury	ND	ug/l	0.20	1
	05/15/08 02:19	426879	( ML/EPA 200.7 )	Potassium, Total, ICAP	5.3	mg/l	2.0	2
	05/15/08 02:19	426881	( ML/EPA 200.7 )	Magnesium, Total, ICAP	31	mg/l	0.20	2
	05/21/08 08:13	427895	( ML/EPA 200.8 )	Manganese, Total, ICAP/MS	ND	ug/l	2.0	1
	05/15/08 02:19	426885	( ML/EPA 200.7 )	Sodium, Total, ICAP	93	mg/l	2.0	2
	05/21/08 08:13	427906	( ML/EPA 200.8 )	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	05/13/08 19:23	426567	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	0.86	mg/l	0.50	5
	05/19/08 10:14		( SM 2330B )	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	05/21/08 08:13	428044	( ML/EPA 200.8 )	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	05/13/08 00:00	426703	( SM 4500-HB )	PH (H3=past HT, not compliant)	8.4	Units	0.010	1
	05/21/08 08:13	428003	( ML/EPA 200.8 )	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	05/21/08 08:13	427828	( ML/EPA 200.8 )	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1



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Laboratory  
Data Report  
#240610

Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	05/13/08 19:23	426557	( ML/EPA 300.0 )	Sulfate	280	mg/l	2.5	5
05/18/08	05/18/08 15:44	428899	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	696	mg/l	10	1
	05/21/08 08:13	427830	( ML/EPA 200.8 )	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
05/19/08	05/19/08 00:00	427550	( SM 4500CN-1 )	Weak Acid Dissociable Cyanide	ND	mg/l	0.0050	1
	05/15/08 00:00	426941	( EPA/ML 200.7 )	Zinc, Total, ICAP	0.11	mg/l	0.040	2
<b>Volatile Organics HSL</b>								
	05/20/08 19:10	427805	( EPA 624 )	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	1,1-Dichloroethane	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	1,2-Dichloroethane	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	1,2-Dichloropropane	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	2-Butanone (MEK)	ND	ug/l	10	1
	05/20/08 19:10	427805	( EPA 624 )	2-Hexanone	ND	ug/l	10	1
	05/20/08 19:10	427805	( EPA 624 )	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	05/20/08 19:10	427805	( EPA 624 )	Acetone	ND	ug/l	10	1
	05/20/08 19:10	427805	( EPA 624 )	Acrolein (Screen)	ND	ug/l	50	1
	05/20/08 19:10	427805	( EPA 624 )	Acrylonitrile (Screen)	ND	ug/l	50	1
	05/20/08 19:10	427805	( EPA 624 )	Benzene	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	cis-1,2-Dichloroethene	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Chlorobenzene	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	cis-1,3-Dichloropropene	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Bromoform	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Chloroform (Trichloromethane)	1.3	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Chloroethane	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Carbon disulfide	0.6	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Carbon Tetrachloride	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Dibromochloromethane	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Dichlorobromomethane	1.2	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Ethyl benzene	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Dichlorodifluoromethane	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Methyl Bromide	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624 )	Methyl Chloride	ND	ug/l	0.5	1



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Laboratory  
Data Report  
#240610

Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	05/20/08 19:10	427805	( EPA 624	) Methylene Chloride	ND	ug/l	3.0	1
	05/20/08 19:10	427805	( EPA 624	) m,p-Xylenes	ND	ug/l	1.0	1
	05/20/08 19:10	427805	( EPA 624	) o-Xylene	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) Tetrachloroethylene (PCE)	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) Styrene	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) trans-1,2-Dichloroethene	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) 1,1,1-Trichloroethane	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) Trichloroethylene (TCE)	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) Trichlorofluoromethane	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) trans-1,3-Dichloropropene	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) Tetrahydrofuran	ND	ug/l	10	1
	05/20/08 19:10	427805	( EPA 624	) Toluene	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) Vinyl Chloride (VC)	ND	ug/l	0.5	1
	05/20/08 19:10	427805	( EPA 624	) Vinyl Acetate	ND	ug/l	10	1
			( EPA 624	) 4-Bromofluorobenzene (70-130)	101	% Rec		
			( EPA 624	) 1,2-Dichloroethane-d4 (70-130)	102	% Rec		
			( EPA 624	) Toluene-d8 (70-130)	92	% Rec		



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QC Summary  
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Tronox LLC - Henderson

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QC Ref #426557 - Sulfate		Analysis Date: 05/13/2008
2805130463	STABILIZED WATER	Analyzed by: lmr
QC Ref #426561 - Chloride		Analysis Date: 05/13/2008
2805130463	STABILIZED WATER	Analyzed by: lmr
QC Ref #426567 - Nitrate as Nitrogen by IC		Analysis Date: 05/13/2008
2805130463	STABILIZED WATER	Analyzed by: lmr
QC Ref #426703 - PH (H3=past HT, not compliant)		Analysis Date: 05/13/2008
2805130463	STABILIZED WATER	Analyzed by: nem
QC Ref #426755 - Alkalinity in CaCO3 units		Analysis Date: 05/14/2008
2805130463	STABILIZED WATER	Analyzed by: anh
QC Ref #426879 - Potassium, Total, ICAP		Analysis Date: 05/15/2008
2805130463	STABILIZED WATER	Analyzed by: csk
QC Ref #426881 - Magnesium, Total, ICAP		Analysis Date: 05/15/2008
2805130463	STABILIZED WATER	Analyzed by: csk
QC Ref #426885 - Sodium, Total, ICAP		Analysis Date: 05/15/2008
2805130463	STABILIZED WATER	Analyzed by: csk



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QC Ref #426887 - Boron, Total, ICAP	Analysis Date: 05/15/2008
2805130463 STABILIZED WATER	Analyzed by: csk
QC Ref #426889 - Calcium, Total, ICAP	Analysis Date: 05/15/2008
2805130463 STABILIZED WATER	Analyzed by: csk
QC Ref #426893 - Iron, Total, ICAP	Analysis Date: 05/15/2008
2805130463 STABILIZED WATER	Analyzed by: csk
QC Ref #426941 - Zinc, Total, ICAP	Analysis Date: 05/15/2008
2805130463 STABILIZED WATER	Analyzed by: csk
QC Ref #427036 - Specific Conductance	Analysis Date: 05/14/2008
2805130463 STABILIZED WATER	Analyzed by: nem
QC Ref #427289 - Mercury	Analysis Date: 05/17/2008
2805130463 STABILIZED WATER	Analyzed by: nina
QC Ref #427550 - Weak Acid Dissociable Cyanide	Analysis Date: 05/19/2008
2805130463 STABILIZED WATER	Analyzed by: lupe
QC Ref #427734 - Fluoride	Analysis Date: 05/19/2008
2805130463 STABILIZED WATER	Analyzed by: yvette



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Tronox LLC - Henderson  
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QC Ref #427805 - Volatile Organics HSL	Analysis Date: 05/20/2008
2805130463 STABILIZED WATER	Analyzed by: kcp
QC Ref #427828 - Selenium, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #427829 - Barium, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #427830 - Thallium, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #427879 - Aluminum, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #427890 - Chromium, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #427895 - Manganese, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #427906 - Nickel, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh





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Tronox LLC - Henderson  
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QC Ref #427923 - Copper, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #427948 - Arsenic, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #427977 - Silver, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #427991 - Cadmium, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #428003 - Antimony, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #428044 - Lead, Total, ICAP/MS	Analysis Date: 05/21/2008
2805130463 STABILIZED WATER	Analyzed by: dyh
QC Ref #428239 - Beryllium, Total, ICAP/MS	Analysis Date: 05/22/2008
2805130463 STABILIZED WATER	Analyzed by: nina
QC Ref #428899 - Total Dissolved Solid (TDS)	Analysis Date: 05/18/2008
2805130463 STABILIZED WATER	Analyzed by: axa



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Tronox LLC - Henderson  
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QC Ref #429922 - Perchlorate

Analysis Date: 06/01/2008

2805130463

STABILIZED WATER

Analyzed by: clv

## Tronox LLC - Henderson

**QC Ref #426557 Sulfate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05120226	MGL		( 0-0 )	
LCS1	Sulfate	50	54.2	MGL	108.4	( 90-110 )	
LCS2	Sulfate	50	54.1	MGL	108.2	( 90-110 )	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	0.25	0.269	MGL	107.6	( 50-150 )	
MS	Sulfate	25	29.0	MGL	<u>116.0</u>	( 83-115 )	
MSD	Sulfate	25	28.7	MGL	114.8	( 83-115 )	
RPD_LCS	Sulfate	108.400	108.200	MGL	0.2	( 0-20 )	
RPD_MS	Sulfate	116.000	114.800	MGL	1.0	( 0-20 )	

**QC Ref #426561 Chloride**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05120226	MGL		( 0-0 )	
LCS1	Chloride	25	26.9	MGL	107.6	( 90-110 )	
LCS2	Chloride	25	26.9	MGL	107.6	( 90-110 )	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.440	MGL	88.0	( 50-150 )	
MS	Chloride	12.5	14.3	MGL	114.4	( 74-126 )	
MSD	Chloride	12.5	14.1	MGL	112.8	( 74-126 )	
RPD_LCS	Chloride	107.600	107.600	MGL	0.0	( 0-20 )	
RPD_MS	Chloride	114.400	112.800	MGL	1.4	( 0-20 )	

**QC Ref #426567 Nitrate as Nitrogen by IC**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05120226	MGL		( 0-0 )	
LCS1	Nitrate as Nitrogen by IC	2.5	2.62	MGL	104.8	( 90-110 )	
LCS2	Nitrate as Nitrogen by IC	2.5	2.61	MGL	104.4	( 90-110 )	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0501	MGL	100.2	( 50-150 )	

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QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Nitrate as Nitrogen by IC	1.25	1.31	MGL	104.8	( 80-112 )	
MSD	Nitrate as Nitrogen by IC	1.25	1.31	MGL	104.8	( 80-112 )	
RPD_LCS	Nitrate as Nitrogen by IC	104.800	104.400	MGL	0.4	( 0-20 )	
RPD_MS	Nitrate as Nitrogen by IC	104.800	104.800	MGL	0.0	( 0-20 )	

QC Ref #426703 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05120360	UNIT		( 0-0 )	
DUP	PH (H3=past HT, not compliant)	8.34	8.36	UNIT		( 0-20 )	0.2

QC Ref #426755 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	05140010	MGL		( 0-0 )	
LCS1	Alkalinity in CaCO3 units	100	98	MGL	98.0	( 90-110 )	
LCS2	Alkalinity in CaCO3 units	100	95	MGL	95.0	( 90-110 )	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	1.15	MGL	57.5	( 50-150 )	
MS	Alkalinity in CaCO3 units	100	74	MGL	<u>74.0</u>	( 80-120 )	
MS2	Alkalinity in CaCO3 units	100	80	MGL	80.0	( 80-120 )	
MSD	Alkalinity in CaCO3 units	100	81	MGL	81.0	( 80-120 )	
MSD2	Alkalinity in CaCO3 units	100	90	MGL	90.0	( 80-120 )	
RPD_LCS	Alkalinity in CaCO3 units	98.000	95.000	MGL	3.1	( 0-10 )	
RPD_MS	Alkalinity in CaCO3 units	74.000	81.000	MGL	9.0	( 0-20 )	

QC Ref #426879 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	19.0	MGL	95.0	( 85-115 )	
LCS2	Potassium, Total, ICAP	20	18.7	MGL	93.5	( 85-115 )	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	0.969	MGL	96.9	( 50-150 )	

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## Tronox LLC - Henderson (continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Potassium, Total, ICAP	20	19.1	MGL	95.5	( 70-130 )	
MS2	Potassium, Total, ICAP	20	20.1	MGL	100.5	( 70-130 )	
MSD	Potassium, Total, ICAP	20	20.2	MGL	101.0	( 70-130 )	
MSD2	Potassium, Total, ICAP	20	19.3	MGL	96.5	( 70-130 )	
RPD_LCS	Potassium, Total, ICAP	95.000	93.500	MGL	1.6	( 0-20 )	
RPD_MS	Potassium, Total, ICAP	95.500	101.000	MGL	5.6	( 0-20 )	

### QC Ref #426881 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	19.7	MGL	98.5	( 85-115 )	
LCS2	Magnesium, Total, ICAP	20	19.3	MGL	96.5	( 85-115 )	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.102	MGL	102.0	( 50-150 )	
MS	Magnesium, Total, ICAP	20	19.9	MGL	99.5	( 70-130 )	
MS2	Magnesium, Total, ICAP	20	21.0	MGL	105.0	( 70-130 )	
MSD	Magnesium, Total, ICAP	20	20.9	MGL	104.5	( 70-130 )	
MSD2	Magnesium, Total, ICAP	20	19.9	MGL	99.5	( 70-130 )	
RPD_LCS	Magnesium, Total, ICAP	98.500	96.500	MGL	2.1	( 0-20 )	
RPD_MS	Magnesium, Total, ICAP	99.500	104.500	MGL	4.9	( 0-20 )	

### QC Ref #426885 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	46.4	MGL	92.8	( 85-115 )	
LCS2	Sodium, Total, ICAP	50	45.7	MGL	91.4	( 85-115 )	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	0.912	MGL	91.2	( 50-150 )	
MS	Sodium, Total, ICAP	50	44.5	MGL	89.0	( 70-130 )	
MS2	Sodium, Total, ICAP	50	46.7	MGL	93.4	( 70-130 )	
MSD	Sodium, Total, ICAP	50	48.2	MGL	96.4	( 70-130 )	
MSD2	Sodium, Total, ICAP	50	43.3	MGL	86.6	( 70-130 )	
RPD_LCS	Sodium, Total, ICAP	92.800	91.400	MGL	1.5	( 0-20 )	
RPD_MS	Sodium, Total, ICAP	89.000	96.400	MGL	8.0	( 0-20 )	

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Tronox LLC - Henderson  
 (continued)

## QC Ref #426887

## Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.464	MGL	92.8	( 85-115 )	
LCS2	Boron, Total, ICAP	0.5	0.463	MGL	92.6	( 85-115 )	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.0564	MGL	112.8	( 50-150 )	
MS	Boron, Total, ICAP	0.5	0.451	MGL	90.2	( 70-130 )	
MS2	Boron, Total, ICAP	0.5	0.464	MGL	92.8	( 70-130 )	
MSD	Boron, Total, ICAP	0.5	0.463	MGL	92.6	( 70-130 )	
MSD2	Boron, Total, ICAP	0.5	0.460	MGL	92.0	( 70-130 )	
RPD_LCS	Boron, Total, ICAP	92.800	92.600	MGL	0.2	( 0-20 )	
RPD_MS	Boron, Total, ICAP	90.200	92.600	MGL	2.6	( 0-20 )	

## QC Ref #426889

## Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	48.8	MGL	97.6	( 85-115 )	
LCS2	Calcium, Total, ICAP	50	47.2	MGL	94.4	( 85-115 )	
MBLK	Calcium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Calcium, Total, ICAP	1.000	0.992	MGL	99.2	( 50-150 )	
MS	Calcium, Total, ICAP	50	48.6	MGL	97.2	( 70-130 )	
MS2	Calcium, Total, ICAP	50	51.5	MGL	103.0	( 70-130 )	
MSD	Calcium, Total, ICAP	50	51.7	MGL	103.4	( 70-130 )	
MSD2	Calcium, Total, ICAP	50	47.9	MGL	95.8	( 70-130 )	
RPD_LCS	Calcium, Total, ICAP	97.600	94.400	MGL	3.3	( 0-20 )	
RPD_MS	Calcium, Total, ICAP	97.200	103.400	MGL	6.2	( 0-20 )	

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Tronox LLC - Henderson  
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QC Ref #426893 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	5.05	MGL	101.0	( 85-115 )	
LCS2	Iron, Total, ICAP	5.0	4.93	MGL	98.6	( 85-115 )	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0207	MGL	103.5	( 50-150 )	
MS	Iron, Total, ICAP	5.0	4.84	MGL	96.8	( 70-130 )	
MS2	Iron, Total, ICAP	5.0	5.11	MGL	102.2	( 70-130 )	
MSD	Iron, Total, ICAP	5.0	5.00	MGL	100.0	( 70-130 )	
MSD2	Iron, Total, ICAP	5.0	5.03	MGL	100.6	( 70-130 )	
RPD_LCS	Iron, Total, ICAP	101.000	98.600	MGL	2.4	( 0-20 )	
RPD_MS	Iron, Total, ICAP	96.800	100.000	MGL	3.3	( 0-20 )	

QC Ref #426941 Zinc, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130539	MGL		( 0-0 )	
LCS1	Zinc, Total, ICAP	1.00	0.982	MGL	98.2	( 85-115 )	
LCS2	Zinc, Total, ICAP	1.00	0.975	MGL	97.5	( 85-115 )	
MBLK	Zinc, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Zinc, Total, ICAP	0.020	0.0206	MGL	103.0	( 50-150 )	
MS	Zinc, Total, ICAP	1.00	0.989	MGL	98.9	( 70-130 )	
MSD	Zinc, Total, ICAP	1.00	1.02	MGL	102.0	( 70-130 )	

QC Ref #427036 Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	656	653	UMHO		( 0-20 )	0.5
DUP2	Specific Conductance	1064	1068	UMHO		( 0-20 )	0.4
LCS1	Specific Conductance	1000	989	UMHO	98.9	( 90-110 )	
LCS2	Specific Conductance	1000	996	UMHO	99.6	( 90-110 )	

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Tronox LLC - Henderson  
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MBLK	Specific Conductance	ND	<2.0	UMHO			
MRL_CHK	Specific Conductance	2.00	2.13	UMHO	106.5	( 50-150 )	

**QC Ref #427289 Mercury**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	05130367	UGL		( 0-0 )	
LCS1	Mercury	1.50	1.50	UGL	100.0	( 85-115 )	
LCS2	Mercury	1.50	1.53	UGL	102.0	( 85-115 )	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.188	UGL	94.0	( 50-150 )	
MS	Mercury	1.50	1.62	UGL	108.0	( 70-130 )	
MSD	Mercury	1.50	1.62	UGL	108.0	( 70-130 )	
RPD_LCS	Mercury	100.000	102.000	UGL	2.0	( 0-20 )	
RPD_MS	Mercury	108.000	108.000	UGL	0.0	( 0-20 )	

**QC Ref #427550 Weak Acid Dissociable Cyanide**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05150458	MGL		( 0-0 )	
LCS1	Weak Acid Dissociable Cyanide	0.1	0.099	MGL	99.0	( 90-110 )	
LCS2	Weak Acid Dissociable Cyanide	0.1	0.100	MGL	100.0	( 90-110 )	
MBLK	Weak Acid Dissociable Cyanide	ND	<0.0050	MGL			
MS	Weak Acid Dissociable Cyanide	0.1	0.100	MGL	100.0	( 85-115 )	
MSD	Weak Acid Dissociable Cyanide	0.1	0.102	MGL	102.0	( 85-115 )	

**QC Ref #427734 Fluoride**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	05130621	MGL		( 0-0 )	
CCC3	Fluoride	10.0	10.2	MGL	102.0	( 81-116 )	
CCCH	Fluoride	10.0	10.1	MGL	101.0	( 81-116 )	
CCCL	Fluoride	0.5	0.509	MGL	101.8	( 81-116 )	

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Tronox LLC - Henderson  
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QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
CCCM	Fluoride	0.5	0.505	MGL	101.0	( 81-116 )	
CCCS	Fluoride	0.05	0.050	MGL	100.0	( 50-150 )	
LCS1	Fluoride	1.00	0.989	MGL	98.9	( 81-116 )	
LCS2	Fluoride	1.00	0.989	MGL	98.9	( 81-116 )	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.050	MGL	100.0	( 50-150 )	
MS	Fluoride	1.00	0.993	MGL	99.3	( 73-124 )	
MS2	Fluoride	1.00	0.958	MGL	95.8	( 73-124 )	
MSD	Fluoride	1.00	1.00	MGL	100.0	( 73-124 )	
MSD2	Fluoride	1.00	0.944	MGL	94.4	( 73-124 )	
RPD_LCS	Fluoride	98.900	98.900	MGL	0.0	( 0-20 )	
RPD_MS	Fluoride	99.300	100.000	MGL	0.7	( 0-20 )	

QC Ref #427805

## Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,2-Trichloroethane (1,1,2-T	20	20.3	UGL	101.5	( 82-117 )	
LCS2	1,1,2-Trichloroethane (1,1,2-T	20	19.0	UGL	95.0	( 82-117 )	
MBLK	1,1,2-Trichloroethane (1,1,2-T	ND	<0.5	UGL			
MS	1,1,2-Trichloroethane (1,1,2-T	10	9.72	UGL	97.2	( 82-130 )	
RPD_LCS	1,1,2-Trichloroethane (1,1,2-T	101.500	95.000	UGL	6.6	( 0-20 )	
LCS1	1,1-Dichloroethylene (1,1DCE)	20	19.4	UGL	97.0	( 81-129 )	
LCS2	1,1-Dichloroethylene (1,1DCE)	20	18.4	UGL	92.0	( 81-129 )	
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	UGL			
MS	1,1-Dichloroethylene (1,1DCE)	10	10.4	UGL	104.0	( 82-140 )	
RPD_LCS	1,1-Dichloroethylene (1,1DCE)	97.000	92.000	UGL	5.3	( 0-20 )	
LCS1	1,1-Dichloroethane	20	19.3	UGL	96.5	( 85-120 )	
LCS2	1,1-Dichloroethane	20	17.9	UGL	89.5	( 85-120 )	
MBLK	1,1-Dichloroethane	ND	<0.5	UGL			
MS	1,1-Dichloroethane	10	9.92	UGL	99.2	( 84-133 )	
RPD_LCS	1,1-Dichloroethane	96.500	89.500	UGL	7.5	( 0-20 )	
LCS1	o-Dichlorobenzene (1,2-DCB)	20	20.6	UGL	103.0	( 88-118 )	
LCS2	o-Dichlorobenzene (1,2-DCB)	20	20.6	UGL	103.0	( 88-118 )	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL			
MS	o-Dichlorobenzene (1,2-DCB)	10	10.9	UGL	109.0	( 85-119 )	

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Tronox LLC - Henderson  
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RPD_LCS	o-Dichlorobenzene (1,2-DCB)	103.000	103.000	UGL	0.0	( 0-20 )
LCS1	1,2-Dichloroethane	20	19.6	UGL	98.0	( 86-123 )
LCS2	1,2-Dichloroethane	20	18.5	UGL	92.5	( 86-123 )
MBLK	1,2-Dichloroethane	ND	<0.5	UGL		
MS	1,2-Dichloroethane	10	9.93	UGL	99.3	( 81-133 )
RPD_LCS	1,2-Dichloroethane	98.000	92.500	UGL	5.8	( 0-20 )
LCS1	1,2-Dichloropropane	20	19.7	UGL	98.5	( 84-112 )
LCS2	1,2-Dichloropropane	20	18.4	UGL	92.0	( 84-112 )
MBLK	1,2-Dichloropropane	ND	<0.5	UGL		
MS	1,2-Dichloropropane	10	10.2	UGL	102.0	( 83-123 )
RPD_LCS	1,2-Dichloropropane	98.500	92.000	UGL	6.8	( 0-20 )
LCS1	m-Dichlorobenzene (1,3-DCB)	20	20.8	UGL	104.0	( 81-139 )
LCS2	m-Dichlorobenzene (1,3-DCB)	20	19.5	UGL	97.5	( 81-139 )
MBLK	m-Dichlorobenzene (1,3-DCB)	ND	<0.5	UGL		
MS	m-Dichlorobenzene (1,3-DCB)	10	10.4	UGL	104.0	( 82-136 )
RPD_LCS	m-Dichlorobenzene (1,3-DCB)	104.000	97.500	UGL	6.5	( 0-20 )
LCS1	p-Dichlorobenzene (1,4-DCB)	20	20.9	UGL	104.5	( 83-140 )
LCS2	p-Dichlorobenzene (1,4-DCB)	20	19.6	UGL	98.0	( 83-140 )
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10	10.2	UGL	102.0	( 80-135 )
RPD_LCS	p-Dichlorobenzene (1,4-DCB)	104.500	98.000	UGL	6.4	( 0-20 )
LCS1	2-Butanone (MEK)	200	193	UGL	96.5	( 71-120 )
LCS2	2-Butanone (MEK)	200	188	UGL	94.0	( 71-120 )
MBLK	2-Butanone (MEK)	ND	<10	UGL		
MS	2-Butanone (MEK)	100	90.8	UGL	90.8	( 53-126 )
RPD_LCS	2-Butanone (MEK)	96.500	94.000	UGL	2.6	( 0-20 )
LCS1	2-Hexanone	200	214	UGL	107.0	( 75-115 )
LCS2	2-Hexanone	200	205	UGL	102.5	( 75-115 )
MBLK	2-Hexanone	ND	<10	UGL		
MS	2-Hexanone	100	104	UGL	104.0	( 58-139 )
RPD_LCS	2-Hexanone	107.000	102.500	UGL	4.3	( 0-20 )
LCS1	4-Methyl-2-Pentanone (MIBK)	200	216	UGL	108.0	( 76-118 )
LCS2	4-Methyl-2-Pentanone (MIBK)	200	209	UGL	104.5	( 76-118 )
MBLK	4-Methyl-2-Pentanone (MIBK)	ND	<10	UGL		
MS	4-Methyl-2-Pentanone (MIBK)	100	107	UGL	107.0	( 64-142 )
RPD_LCS	4-Methyl-2-Pentanone (MIBK)	108.000	104.500	UGL	3.3	( 0-20 )

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Tronox LLC - Henderson  
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MS	Spiked sample	Lab #	28	05120102	NONE		
LCS1	Acetone	200	164	UGL	82.0	( 0-0 )	
LCS2	Acetone	200	157	UGL	78.5	( 61-125 )	
MBLK	Acetone	ND	<10	UGL		( 61-125 )	
MS	Acetone	100	62.8	UGL	62.8	( 17-132 )	
RPD_LCS	Acetone	82.000	78.500	UGL	4.4	( 0-20 )	
LCS1	Benzene	20	20.0	UGL	100.0	( 89-119 )	
LCS2	Benzene	20	18.8	UGL	94.0	( 89-119 )	
MBLK	Benzene	ND	<0.5	UGL			
MS	Benzene	10	10.4	UGL	104.0	( 85-131 )	
RPD_LCS	Benzene	100.000	94.000	UGL	6.2	( 0-20 )	
LCS1	cis-1,2-Dichloroethene	20	19.2	UGL	96.0	( 85-117 )	
LCS2	cis-1,2-Dichloroethene	20	17.4	UGL	87.0	( 85-117 )	
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL			
MS	cis-1,2-Dichloroethene	10	10.4	UGL	104.0	( 85-132 )	
RPD_LCS	cis-1,2-Dichloroethene	96.000	87.000	UGL	9.8	( 0-20 )	
LCS1	Chlorobenzene	20	20.9	UGL	104.5	( 88-118 )	
LCS2	Chlorobenzene	20	19.7	UGL	98.5	( 88-118 )	
MBLK	Chlorobenzene	ND	<0.5	UGL			
MS	Chlorobenzene	10	10.2	UGL	102.0	( 87-126 )	
RPD_LCS	Chlorobenzene	104.500	98.500	UGL	5.9	( 0-20 )	
LCS1	cis-1,3-Dichloropropene	20	21.5	UGL	107.5	( 75-109 )	
LCS2	cis-1,3-Dichloropropene	20	20.3	UGL	101.5	( 75-109 )	
MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL			
MS	cis-1,3-Dichloropropene	10	9.24	UGL	92.4	( 90-133 )	
RPD_LCS	cis-1,3-Dichloropropene	107.500	101.500	UGL	5.7	( 0-20 )	
LCS1	Bromoform	20	21.7	UGL	108.5	( 75-129 )	
LCS2	Bromoform	20	21.2	UGL	106.0	( 75-129 )	
MBLK	Bromoform	ND	<0.5	UGL			
MS	Bromoform	10	9.15	UGL	91.5	( 68-131 )	
RPD_LCS	Bromoform	108.500	106.000	UGL	2.3	( 0-20 )	
LCS1	Chloroform (Trichloromethane)	20	19.2	UGL	96.0	( 85-121 )	
LCS2	Chloroform (Trichloromethane)	20	17.6	UGL	88.0	( 85-121 )	
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL			
MS	Chloroform (Trichloromethane)	10	9.82	UGL	98.2	( 81-140 )	
RPD_LCS	Chloroform (Trichloromethane)	96.000	88.000	UGL	8.7	( 0-20 )	

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## Tronox LLC - Henderson (continued)

LCS1	Chloroethane	20	19.9	UGL	99.5	( 76-127 )
LCS2	Chloroethane	20	20.5	UGL	102.5	( 76-127 )
MBLK	Chloroethane	ND	<0.5	UGL		
MS	Chloroethane	10	10.7	UGL	107.0	( 58-159 )
RPD_LCS	Chloroethane	99.500	102.500	UGL	3.0	( 0-20 )
LCS1	Carbon disulfide	20	19.4	UGL	97.0	( 73-129 )
LCS2	Carbon disulfide	20	17.9	UGL	89.5	( 73-129 )
MBLK	Carbon disulfide	ND	<0.5	UGL		
MS	Carbon disulfide	10	10.1	UGL	101.0	( 80-138 )
RPD_LCS	Carbon disulfide	97.000	89.500	UGL	8.0	( 0-20 )
LCS1	Carbon Tetrachloride	20	21.3	UGL	106.5	( 79-124 )
LCS2	Carbon Tetrachloride	20	19.5	UGL	97.5	( 79-124 )
MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10	10.7	UGL	107.0	( 77-145 )
RPD_LCS	Carbon Tetrachloride	106.500	97.500	UGL	8.8	( 0-20 )
LCS1	Dibromochloromethane	20	20.4	UGL	102.0	( 79-118 )
LCS2	Dibromochloromethane	20	19.5	UGL	97.5	( 79-118 )
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10	9.76	UGL	97.6	( 78-133 )
RPD_LCS	Dibromochloromethane	102.000	97.500	UGL	4.5	( 0-20 )
LCS1	Dichlorobromomethane	20	19.8	UGL	99.0	( 80-115 )
LCS2	Dichlorobromomethane	20	18.6	UGL	93.0	( 80-115 )
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10	9.78	UGL	97.8	( 81-132 )
RPD_LCS	Dichlorobromomethane	99.000	93.000	UGL	6.2	( 0-20 )
LCS1	Ethyl benzene	20	22.3	UGL	111.5	( 83-115 )
LCS2	Ethyl benzene	20	20.8	UGL	104.0	( 83-115 )
MBLK	Ethyl benzene	ND	<0.5	UGL		
MS	Ethyl benzene	10	11.1	UGL	111.0	( 85-128 )
RPD_LCS	Ethyl benzene	111.500	104.000	UGL	7.0	( 0-20 )
LCS1	Dichlorodifluoromethane	20	23.4	UGL	117.0	( 63-131 )
LCS2	Dichlorodifluoromethane	20	21.5	UGL	107.5	( 63-131 )
MBLK	Dichlorodifluoromethane	ND	<0.5	UGL		
MS	Dichlorodifluoromethane	10	9.45	UGL	94.5	( 74-151 )
RPD_LCS	Dichlorodifluoromethane	117.000	107.500	UGL	8.5	( 0-20 )
LCS1	Methyl Bromide	20	20.0	UGL	100.0	( 58-145 )

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## Tronox LLC - Henderson (continued)

LCS2	Methyl Bromide	20	18.6	UGL	93.0	( 58-145 )
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10	8.24	UGL	82.4	( 48-158 )
RPD_LCS	Methyl Bromide	100.000	93.000	UGL	7.3	( 0-20 )
LCS1	Methyl Chloride	20	20.1	UGL	100.5	( 76-126 )
LCS2	Methyl Chloride	20	19.2	UGL	96.0	( 76-126 )
MBLK	Methyl Chloride	ND	<0.5	UGL		
MS	Methyl Chloride	10	10.1	UGL	101.0	( 68-141 )
RPD_LCS	Methyl Chloride	100.500	96.000	UGL	4.6	( 0-20 )
LCS1	Methylene Chloride	20	18.0	UGL	90.0	( 83-123 )
LCS2	Methylene Chloride	20	16.9	UGL	84.5	( 83-123 )
MBLK	Methylene Chloride	ND	<3.0	UGL		
MS	Methylene Chloride	10	9.43	UGL	94.3	( 83-134 )
RPD_LCS	Methylene Chloride	90.000	84.500	UGL	6.3	( 0-20 )
LCS1	m,p-Xylenes	40	43.6	UGL	109.0	( 89-120 )
LCS2	m,p-Xylenes	40	40.7	UGL	101.8	( 89-120 )
MBLK	m,p-Xylenes	ND	<1.0	UGL		
MS	m,p-Xylenes	20	22.1	UGL	110.5	( 85-139 )
RPD_LCS	m,p-Xylenes	109.000	101.750	UGL	6.9	( 0-20 )
LCS1	o-Xylene	20	22.2	UGL	111.0	( 84-111 )
LCS2	o-Xylene	20	20.9	UGL	104.5	( 84-111 )
MBLK	o-Xylene	ND	<0.5	UGL		
MS	o-Xylene	10	11.2	UGL	112.0	( 50-150 )
RPD_LCS	o-Xylene	111.000	104.500	UGL	6.0	( 0-20 )
LCS1	1,1,2,2-Tetrachloroethane	20	21.2	UGL	106.0	( 83-131 )
LCS2	1,1,2,2-Tetrachloroethane	20	20.3	UGL	101.5	( 83-131 )
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10	9.91	UGL	99.1	( 83-127 )
RPD_LCS	1,1,2,2-Tetrachloroethane	106.000	101.500	UGL	4.3	( 0-20 )
LCS1	Tetrachloroethylene (PCE)	20	20.8	UGL	104.0	( 81-132 )
LCS2	Tetrachloroethylene (PCE)	20	19.9	UGL	99.5	( 81-132 )
MBLK	Tetrachloroethylene (PCE)	ND	<0.5	UGL		
MS	Tetrachloroethylene (PCE)	10	10.6	UGL	106.0	( 83-143 )
RPD_LCS	Tetrachloroethylene (PCE)	104.000	99.500	UGL	4.4	( 0-20 )
LCS1	Styrene	20	21.8	UGL	109.0	( 83-115 )
LCS2	Styrene	20	20.5	UGL	102.5	( 83-115 )

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## Tronox LLC - Henderson (continued)

MBLK	Styrene	ND	<0.5	UGL		
MS	Styrene	10	9.95	UGL	99.5	( 56-140 )
RPD_LCS	Styrene	109.000	102.500	UGL	6.1	( 0-20 )
LCS1	1,2-dichloroethane-d4	100	94	%R	94.0	( 70-130 )
LCS2	1,2-dichloroethane-d4	100	94	%R	94.0	( 70-130 )
MBLK	1,2-dichloroethane-d4	100	108	%R	108.0	
MS	1,2-dichloroethane-d4	100	92	%R	92.0	( 70-130 )
RPD_LCS	1,2-dichloroethane-d4	94.000	94.000	%R	0.0	( 0-20 )
LCS1	Toluene-d8	100	101	%R	101.0	( 70-130 )
LCS2	Toluene-d8	100	100	%R	100.0	( 70-130 )
MBLK	Toluene-d8	100	91	%R	91.0	
MS	Toluene-d8	100	100	%R	100.0	( 70-130 )
RPD_LCS	Toluene-d8	101.000	100.000	%R	1.0	( 0-20 )
LCS1	4-Bromofluorobenzene	100	105	%R	105.0	( 70-130 )
LCS2	4-Bromofluorobenzene	100	99	%R	99.0	( 70-130 )
MBLK	4-Bromofluorobenzene	100	99	%R	99.0	
MS	4-Bromofluorobenzene	100	100	%R	100.0	( 70-130 )
RPD_LCS	4-Bromofluorobenzene	105.000	99.000	%R	5.9	( 0-20 )
LCS1	trans-1,2-Dichloroethene	20	21.0	UGL	105.0	( 84-126 )
LCS2	trans-1,2-Dichloroethene	20	19.2	UGL	96.0	( 84-126 )
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		
MS	trans-1,2-Dichloroethene	10	11.0	UGL	110.0	( 82-136 )
RPD_LCS	trans-1,2-Dichloroethene	105.000	96.000	UGL	9.0	( 0-20 )
LCS1	1,1,1-Trichloroethane	20	19.3	UGL	96.5	( 82-121 )
LCS2	1,1,1-Trichloroethane	20	18.6	UGL	93.0	( 82-121 )
MBLK	1,1,1-Trichloroethane	ND	<0.5	UGL		
MS	1,1,1-Trichloroethane	10	10.1	UGL	101.0	( 84-137 )
RPD_LCS	1,1,1-Trichloroethane	96.500	93.000	UGL	3.7	( 0-20 )
LCS1	Trichloroethylene (TCE)	20	20.1	UGL	100.5	( 86-120 )
LCS2	Trichloroethylene (TCE)	20	19.1	UGL	95.5	( 86-120 )
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10	10.6	UGL	106.0	( 86-130 )
RPD_LCS	Trichloroethylene (TCE)	100.500	95.500	UGL	5.1	( 0-20 )
LCS1	Trichlorofluoromethane	20	21.8	UGL	109.0	( 76-133 )
LCS2	Trichlorofluoromethane	20	20.4	UGL	102.0	( 76-133 )
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		

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**Tronox LLC - Henderson  
 (continued)**

MS	Trichlorofluoromethane	10	10.3	UGL	103.0	( 75-153 )
RPD_LCS	Trichlorofluoromethane	109.000	102.000	UGL	6.6	( 0-20 )
LCS1	trans-1,3-Dichloropropene	20	20.7	UGL	103.5	( 71-114 )
LCS2	trans-1,3-Dichloropropene	20	19.7	UGL	98.5	( 71-114 )
MBLK	trans-1,3-Dichloropropene	ND	<0.5	UGL		
MS	trans-1,3-Dichloropropene	10	8.93	UGL	89.3	( 45-141 )
RPD_LCS	trans-1,3-Dichloropropene	103.500	98.500	UGL	5.0	( 0-20 )
LCS1	Tetrahydrofuran	200	209	UGL	104.5	( 79-121 )
LCS2	Tetrahydrofuran	200	204	UGL	102.0	( 79-121 )
MBLK	Tetrahydrofuran	ND	<10	UGL		
MS	Tetrahydrofuran	100	99.2	UGL	99.2	( 66-134 )
RPD_LCS	Tetrahydrofuran	104.500	102.000	UGL	2.4	( 0-20 )
LCS1	Toluene	20	20.8	UGL	104.0	( 88-118 )
LCS2	Toluene	20	19.6	UGL	98.0	( 88-118 )
MBLK	Toluene	ND	<0.5	UGL		
MS	Toluene	10	10.5	UGL	105.0	( 87-128 )
RPD_LCS	Toluene	104.000	98.000	UGL	5.9	( 0-20 )
LCS1	Vinyl Chloride (VC)	20	20.6	UGL	103.0	( 72-125 )
LCS2	Vinyl Chloride (VC)	20	19.7	UGL	98.5	( 72-125 )
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL		
MS	Vinyl Chloride (VC)	10	10.4	UGL	104.0	( 79-137 )
RPD_LCS	Vinyl Chloride (VC)	103.000	98.500	UGL	4.5	( 0-20 )
LCS1	Vinyl Acetate	100	100	UGL	100.0	( 61-125 )
LCS2	Vinyl Acetate	100	96.4	UGL	96.4	( 61-125 )
MBLK	Vinyl Acetate	ND	<10	UGL		
MS	Vinyl Acetate	50	50.4	UGL	100.8	( 40-142 )
RPD_LCS	Vinyl Acetate	100.000	96.400	UGL	3.7	( 0-20 )

**QC Ref #427828**
**Selenium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL	0.0	( 0-0 )	
LCS1	Selenium, Total, ICAP/MS	20	18.9	UGL	94.5	( 85-115 )	
LCS2	Selenium, Total, ICAP/MS	20	20.1	UGL	100.5	( 85-115 )	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			

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## Tronox LLC - Henderson (continued)

MRL_CHK	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Selenium, Total, ICAP/MS	5.000	5.25	UGL	105.0	( 50-150 )	
MS2	Selenium, Total, ICAP/MS	20	24.8	UGL	124.0	( 70-130 )	
MSD	Selenium, Total, ICAP/MS	20	23.2	UGL	116.0	( 70-130 )	
MSD2	Selenium, Total, ICAP/MS	20	24.3	UGL	121.5	( 70-130 )	
RPD_LCS	Selenium, Total, ICAP/MS	20	22.5	UGL	112.5	( 70-130 )	
RPD_MS	Selenium, Total, ICAP/MS	94.500	100.500	UGL	6.2	( 0-20 )	
		124.000	121.500	UGL	2.0	( 0-20 )	

### QC Ref #427829 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL	0.0	( 0-0 )	
LCS1	Barium, Total, ICAP/MS	100	93.9	UGL	93.9	( 85-115 )	
LCS2	Barium, Total, ICAP/MS	100	95.9	UGL	95.9	( 85-115 )	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	1.90	UGL	95.0	( 50-150 )	
MS	Barium, Total, ICAP/MS	100	99.0	UGL	99.0	( 70-130 )	
MS2	Barium, Total, ICAP/MS	100	90.2	UGL	90.2	( 70-130 )	
MSD	Barium, Total, ICAP/MS	100	101	UGL	101.0	( 70-130 )	
MSD2	Barium, Total, ICAP/MS	100	91.0	UGL	91.0	( 70-130 )	
RPD_LCS	Barium, Total, ICAP/MS	93.900	95.900	UGL	2.1	( 0-20 )	
RPD_MS	Barium, Total, ICAP/MS	99.000	101.000	UGL	2.0	( 0-20 )	

### QC Ref #427830 Thallium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL	0.0	( 0-0 )	
LCS1	Thallium, Total, ICAP/MS	20.0	19.9	UGL	99.5	( 85-115 )	
LCS2	Thallium, Total, ICAP/MS	20.0	20.2	UGL	101.0	( 85-115 )	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	0.977	UGL	97.7	( 50-150 )	
MS	Thallium, Total, ICAP/MS	20.0	20.1	UGL	100.5	( 70-130 )	
MS2	Thallium, Total, ICAP/MS	20.0	19.2	UGL	96.0	( 70-130 )	
MSD	Thallium, Total, ICAP/MS	20.0	20.5	UGL	102.5	( 70-130 )	

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QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MSD2	Thallium, Total, ICAP/MS	20.0	19.4	UGL	97.0	( 70-130 )	
RPD_LCS	Thallium, Total, ICAP/MS	99.500	101.000	UGL	1.5	( 0-20 )	
RPD_MS	Thallium, Total, ICAP/MS	100.500	102.500	UGL	2.0	( 0-20 )	

QC Ref #427879 Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130463	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL		( 0-0 )	
LCS1	Aluminum, Total, ICAP/MS	200	196	UGL	98.0	( 85-115 )	
LCS2	Aluminum, Total, ICAP/MS	200	203	UGL	101.5	( 85-115 )	
MBLK	Aluminum, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Aluminum, Total, ICAP/MS	25.000	19.9	UGL	79.6	( 50-150 )	
MS	Aluminum, Total, ICAP/MS	200	203	UGL	101.5	( 70-130 )	
MS2	Aluminum, Total, ICAP/MS	200	201	UGL	100.5	( 70-130 )	
MSD	Aluminum, Total, ICAP/MS	200	198	UGL	99.0	( 70-130 )	
MSD2	Aluminum, Total, ICAP/MS	200	204	UGL	102.0	( 70-130 )	
RPD_LCS	Aluminum, Total, ICAP/MS	98.000	101.500	UGL	3.5	( 0-20 )	
RPD_MS	Aluminum, Total, ICAP/MS	101.500	99.000	UGL	2.5	( 0-20 )	

QC Ref #427890 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130463	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL		( 0-0 )	
LCS1	Chromium, Total, ICAP/MS	100	98.5	UGL	98.5	( 85-115 )	
LCS2	Chromium, Total, ICAP/MS	100	102	UGL	102.0	( 85-115 )	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	1.01	UGL	101.0	( 50-150 )	
MS	Chromium, Total, ICAP/MS	100	102	UGL	102.0	( 70-130 )	
MS2	Chromium, Total, ICAP/MS	100	98.6	UGL	98.6	( 70-130 )	
MSD	Chromium, Total, ICAP/MS	100	101	UGL	101.0	( 70-130 )	
MSD2	Chromium, Total, ICAP/MS	100	99.7	UGL	99.7	( 70-130 )	
RPD_LCS	Chromium, Total, ICAP/MS	98.500	102.000	UGL	3.5	( 0-20 )	

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RPD\_MS Chromium, Total, ICAP/MS 102.000 101.000 UGL 1.0 ( 0-20 )

QC Ref #427895 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130463	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL		( 0-0 )	
LCS1	Manganese, Total, ICAP/MS	50	49.3	UGL	98.6	( 85-115 )	
LCS2	Manganese, Total, ICAP/MS	50	51.0	UGL	102.0	( 85-115 )	
MBLK	Manganese, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Manganese, Total, ICAP/MS	2.000	1.97	UGL	98.5	( 50-150 )	
MS	Manganese, Total, ICAP/MS	50	50.2	UGL	100.4	( 70-130 )	
MS2	Manganese, Total, ICAP/MS	50	49.1	UGL	98.2	( 70-130 )	
MSD	Manganese, Total, ICAP/MS	50	49.3	UGL	98.6	( 70-130 )	
MSD2	Manganese, Total, ICAP/MS	50	49.8	UGL	99.6	( 70-130 )	
RPD_LCS	Manganese, Total, ICAP/MS	98.600	102.000	UGL	3.4	( 0-20 )	
RPD_MS	Manganese, Total, ICAP/MS	100.400	98.600	UGL	1.8	( 0-20 )	

QC Ref #427906 Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130463	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL		( 0-0 )	
LCS1	Nickel, Total, ICAP/MS	50	49.5	UGL	99.0	( 85-115 )	
LCS2	Nickel, Total, ICAP/MS	50	50.8	UGL	101.6	( 85-115 )	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	4.53	UGL	90.6	( 50-150 )	
MS	Nickel, Total, ICAP/MS	50	47.6	UGL	95.2	( 70-130 )	
MS2	Nickel, Total, ICAP/MS	50	48.4	UGL	96.8	( 70-130 )	
MSD	Nickel, Total, ICAP/MS	50	47.4	UGL	94.8	( 70-130 )	
MSD2	Nickel, Total, ICAP/MS	50	49.0	UGL	98.0	( 70-130 )	
RPD_LCS	Nickel, Total, ICAP/MS	99.000	101.600	UGL	2.6	( 0-20 )	
RPD_MS	Nickel, Total, ICAP/MS	95.200	94.800	UGL	0.4	( 0-20 )	

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Tronox LLC - Henderson  
 (continued)

## QC Ref #427923

## Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130463	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL		( 0-0 )	
LCS1	Copper, Total, ICAP/MS	100	99.8	UGL	99.8	( 85-115 )	
LCS2	Copper, Total, ICAP/MS	100	103	UGL	103.0	( 85-115 )	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	2.03	UGL	101.5	( 50-150 )	
MS	Copper, Total, ICAP/MS	100	97.1	UGL	97.1	( 70-130 )	
MS2	Copper, Total, ICAP/MS	100	99.2	UGL	99.2	( 70-130 )	
MSD	Copper, Total, ICAP/MS	100	94.8	UGL	94.8	( 70-130 )	
MSD2	Copper, Total, ICAP/MS	100	100	UGL	100.0	( 70-130 )	
RPD_LCS	Copper, Total, ICAP/MS	99.800	103.000	UGL	3.2	( 0-20 )	
RPD_MS	Copper, Total, ICAP/MS	97.100	94.800	UGL	2.4	( 0-20 )	

## QC Ref #427948

## Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130463	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL		( 0-0 )	
LCS1	Arsenic, Total, ICAP/MS	20	19.5	UGL	97.5	( 85-115 )	
LCS2	Arsenic, Total, ICAP/MS	20	20.1	UGL	100.5	( 85-115 )	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	1.02	UGL	102.0	( 50-150 )	
MS	Arsenic, Total, ICAP/MS	20	22.4	UGL	112.0	( 70-130 )	
MS2	Arsenic, Total, ICAP/MS	20	21.3	UGL	106.5	( 70-130 )	
MSD	Arsenic, Total, ICAP/MS	20	22.3	UGL	111.5	( 70-130 )	
MSD2	Arsenic, Total, ICAP/MS	20	21.7	UGL	108.5	( 70-130 )	
RPD_LCS	Arsenic, Total, ICAP/MS	97.500	100.500	UGL	3.0	( 0-20 )	
RPD_MS	Arsenic, Total, ICAP/MS	112.000	111.500	UGL	0.4	( 0-20 )	

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## QC Ref #427977

## Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130463	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL		( 0-0 )	
LCS1	Silver, Total, ICAP/MS	50	50.6	UGL	101.2	( 85-115 )	
LCS2	Silver, Total, ICAP/MS	50	51.8	UGL	103.6	( 85-115 )	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.622	UGL	124.4	( 50-150 )	
MS	Silver, Total, ICAP/MS	50	41.8	UGL	83.6	( 70-130 )	
MS2	Silver, Total, ICAP/MS	50	48.7	UGL	97.4	( 70-130 )	
MSD	Silver, Total, ICAP/MS	50	41.8	UGL	83.6	( 70-130 )	
MSD2	Silver, Total, ICAP/MS	50	50.0	UGL	100.0	( 70-130 )	
RPD_LCS	Silver, Total, ICAP/MS	101.200	103.600	UGL	2.3	( 0-20 )	
RPD_MS	Silver, Total, ICAP/MS	83.600	83.600	UGL	0.0	( 0-20 )	

## QC Ref #427991

## Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130463	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL		( 0-0 )	
LCS1	Cadmium, Total, ICAP/MS	20	19.3	UGL	96.5	( 85-115 )	
LCS2	Cadmium, Total, ICAP/MS	20	19.7	UGL	98.5	( 85-115 )	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.470	UGL	94.0	( 50-150 )	
MS	Cadmium, Total, ICAP/MS	20	18.5	UGL	92.5	( 70-130 )	
MS2	Cadmium, Total, ICAP/MS	20	20.4	UGL	102.0	( 70-130 )	
MSD	Cadmium, Total, ICAP/MS	20	18.3	UGL	91.5	( 70-130 )	
MSD2	Cadmium, Total, ICAP/MS	20	21.0	UGL	105.0	( 70-130 )	
RPD_LCS	Cadmium, Total, ICAP/MS	96.500	98.500	UGL	2.1	( 0-20 )	
RPD_MS	Cadmium, Total, ICAP/MS	92.500	91.500	UGL	1.1	( 0-20 )	

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(continued)

QC Ref #428003

Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130463	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL		( 0-0 )	
LCS1	Antimony, Total, ICAP/MS	50	47.4	UGL	94.8	( 85-115 )	
LCS2	Antimony, Total, ICAP/MS	50	48.8	UGL	97.6	( 85-115 )	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.25	UGL	125.0	( 50-150 )	
MS	Antimony, Total, ICAP/MS	50	46.0	UGL	92.0	( 70-130 )	
MS2	Antimony, Total, ICAP/MS	50	48.4	UGL	96.8	( 70-130 )	
MSD	Antimony, Total, ICAP/MS	50	46.9	UGL	93.8	( 70-130 )	
MSD2	Antimony, Total, ICAP/MS	50	50.3	UGL	100.6	( 70-130 )	
RPD_LCS	Antimony, Total, ICAP/MS	94.800	97.600	UGL	2.9	( 0-20 )	
RPD_MS	Antimony, Total, ICAP/MS	92.000	93.800	UGL	1.9	( 0-20 )	

QC Ref #428044

Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130463	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05150731	UGL		( 0-0 )	
LCS1	Lead, Total, ICAP/MS	20	19.9	UGL	99.5	( 85-115 )	
LCS2	Lead, Total, ICAP/MS	20	20.2	UGL	101.0	( 85-115 )	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.473	UGL	94.6	( 50-150 )	
MS	Lead, Total, ICAP/MS	20	18.9	UGL	94.5	( 70-130 )	
MS2	Lead, Total, ICAP/MS	20	19.9	UGL	99.5	( 70-130 )	
MSD	Lead, Total, ICAP/MS	20	19.1	UGL	95.5	( 70-130 )	
MSD2	Lead, Total, ICAP/MS	20	20.2	UGL	101.0	( 70-130 )	
RPD_LCS	Lead, Total, ICAP/MS	99.500	101.000	UGL	1.5	( 0-20 )	
RPD_MS	Lead, Total, ICAP/MS	94.500	95.500	UGL	1.1	( 0-20 )	

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 #428239

Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130539	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	05140898	UGL		( 0-0 )	
LCS1	Beryllium, Total, ICAP/MS	5.00	5.07	UGL	101.4	( 85-115 )	
LCS2	Beryllium, Total, ICAP/MS	5.00	5.25	UGL	105.0	( 85-115 )	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	1.03	UGL	103.0	( 50-150 )	
MS	Beryllium, Total, ICAP/MS	5.00	5.07	UGL	101.4	( 70-130 )	
MS2	Beryllium, Total, ICAP/MS	5.00	5.14	UGL	102.8	( 70-130 )	
MSD	Beryllium, Total, ICAP/MS	5.00	5.12	UGL	102.4	( 70-130 )	
MSD2	Beryllium, Total, ICAP/MS	5.00	5.23	UGL	104.6	( 70-130 )	
RPD_LCS	Beryllium, Total, ICAP/MS	101.400	105.000	UGL	3.5	( 0-20 )	
RPD_MS	Beryllium, Total, ICAP/MS	101.400	102.400	UGL	1.0	( 0-20 )	

QC Ref #428899

Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	05130427	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	3964	3968	MGL		( 0-10 )	0.1
LCS1	Total Dissolved Solid (TDS)	175	152	MGL	86.9	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	670	MGL	95.7	( 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)	86.857	95.714	MGL	9.7	( 0-20 )	

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 #429922

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	05130597	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.9	UGL	95.6	( 85-115 )	
LCS2	Perchlorate	25.0	22.8	UGL	91.2	( 85-115 )	
LCS3	Perchlorate	4	3.88	UGL	97.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.4	UGL	93.6	( 80-120 )	
MSD	Perchlorate	25.0	23.4	UGL	93.6	( 80-120 )	
RPD_LCS	Perchlorate	95.600	91.200	UGL	4.7	( 0-15 )	
RPD_MS	Perchlorate	93.600	93.600	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.