



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)

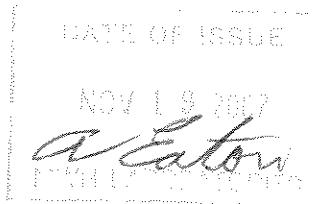
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager



Report#: 219615
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].



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November 19, 2007

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

Subject: Case Narrative report 219615

Enclosed is MWH Laboratories Report 219615

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on October 16, 2007 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.

For Weak Acid Dissociable Cyanide, the standard check was recovered above the internal limit. Per NELAC, ND data are acceptable under these conditions.

For alkalinity only one MS/MSD pair was associated with the analytical batch.

For volatile organics the surrogate 1,2-DCA-d4 was recovered at 122%, over the 120% limit. Results for the associated analytes were ND.

This sample was also logged for fluoride as a matrix spike/matrix spike duplicate to demonstrate acceptable recovery in a wastewater matrix. Recoveries were 110 and 100.5% respectively.

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



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

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: FC

SAMPLE TEMP, RECEIPT AT LAB: 6°C

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

KERR/MCGEE-MP

Sampler Wendy Prescott

Susan Crowley (709) 661-2234

PROJECT JOB # / P.O.#

VIC permit - Water Supply Profile 1

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

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

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

SEE BOTTLE ORDER

MATRIX -
GRAB
COMP

IDENTIFIER, STATE ID#

LOCATION

TIME

Stabilized Water

10:00 10/15/2007

RSW X

SAMPLER COMMENTS

1 of 8 10/15/07

* MATRIX TYPES:

Reported by Volume:

CFW = Chloraminated 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

PRINT NAME

Wendy Prescott

COMPANY/TITLE

Veolia Water NA for Kerr-McGee Chemical LLC

DATE

10/15/2007

TIME

1200pm

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:

Jay Fibre Channel

me h

10-16 1000



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

Bottle Order for Tronox, LLC - Henderson Standing

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

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

M Monthly
Period
Week 1

SO# 38672 12996 RS

Sampler: Please Return this Paper with your samples

0
Created by
Order Date 10/04/07
Date Samples to Arrive at MWL by Client
SHIP LOCATION

Ship Sample Kits to
Veolia Water-Tronox LLC
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
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

ATTN: Susan Crowley
PHONE: 702-551-2234

ATTN: Susan Crowley
PHONE: 702-551-2234
FAX: 702-551-2310

Quote#

of Samples Tests Bottles-Qty for each sample, type & preservative if any UN# Important Comments

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
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 125ml 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, so4, tt-ms
- alk tds, zn
- al-ms, sb-ms, ba-ms, be-ms
- B, cd-ms, ca, ci, 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)

SCANNED

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: 142807

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 10/15/07	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	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC	
N/A R		CUSTOMER PO OR REQ'N NO.	CODE NO. WCN IS 1321.10400 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.
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Stabilized Water. Not Regulated		1 COOLER
TRUCK SHIPMENTS			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
PLACARDS OFFERED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PLACARDS ACCEPTED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
1	8	0	8
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			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.
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 Olga Maestas	AGENT	PER

SCANNED

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



Ship Date: 15OCT07
ActWgt: 8 LB
System#: 2274147/INET7091
Account#: S *****

Delivery Address Bar Code



Ref # MSO #142807
Invoice #
PO #
Dept #

SHIP TO: (626)568-6400

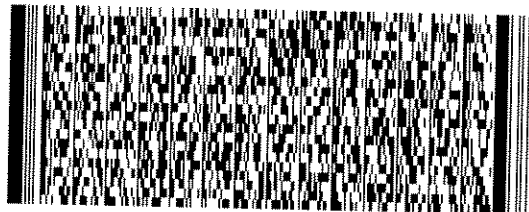
BILL SENDER

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

MONROVIA, CA 910163629

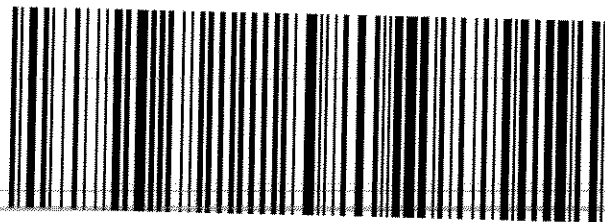
TRK# 7903 5999 2507
0201

TUE - 16OCT A2
PRIORITY OVERNIGHT



QZ-WHPA

BUR
CA-US
91016



Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page 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#: 219615
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on 10/16/07. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2710160582	STABILIZED WATER		Water	15-oct-2007 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		
2710160583	STABILIZED WATER MS		Water	15-oct-2007 10:00:00
		F		
2710160585	STABILIZED WATER MSD		Water	15-oct-2007 10:00:00
		F		

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

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 PO Box 55
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 PO#: Susan Crowley PO
 Group#: 219615
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
CU-MS	Copper, Total, ICAP/MS
EC	Specific Conductance
F	Fluoride
FE	Iron, Total, ICAP
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
#219615

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: 

Group Comments

(WCN) There is a high biased High STD Check, data acceptable based on ND sample results.

(ALK) 2nd MS/MSD is not available. Data is acceptable based on all other passing QC, per method.

(QC Ref#: 2710160582)

Test: Volatile Organics HSL (EPA 624)

1,2-Dichloroethane-d4(80-120) out of limit



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Laboratory
Hits Report
#219615

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

Samples Received
16-oct-2007 18:01:21

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2710160582	STABILIZED WATER				
10/16/07		Chloroform (Trichloromethane)	2.4		ug/l	0.5
10/16/07		Dibromochloromethane	1.7		ug/l	0.5
10/16/07		Dichlorobromomethane	2.3		ug/l	0.5
10/20/07		Alkalinity in CaCO3 units	126		mg/l	2.0
11/04/07		Anion Sum - Calculated	11		meq/l	0.0050
11/09/07		Arsenic, Total, ICAP/MS	2.9	10	ug/l	1.0
11/09/07		Barium, Total, ICAP/MS	130	2000	ug/l	2.0
10/23/07		Bicarb. Alkalinity as HCO3, calc	150		mg/l	2.0
10/19/07		Boron, Total, ICAP	0.142		mg/l	0.050
10/30/07		Calcium, Total, ICAP	77		mg/l	1.0
10/19/07		Cation Sum - Calculated	11		meq/l	0.0010
10/24/07		Chloride	99	250	mg/l	5.0
10/23/07		Fluoride	0.32	4	mg/l	0.050
10/30/07		Iron, Total, ICAP	0.029	0.3	mg/l	0.020
10/30/07		Magnesium, Total, ICAP	32		mg/l	0.10
10/16/07		Nitrate as Nitrogen by IC	0.70	10	mg/l	0.20
10/18/07		PH (H3=past HT, not compliant)	8.0	6.5-8.5	Units	0.010
10/18/07		Perchlorate	6.3		ug/l	4.0
10/30/07		Potassium, Total, ICAP	5.9		mg/l	1.0
10/18/07		Sodium, Total, ICAP	110		mg/l	1.0
10/17/07		Specific Conductance	1070		umho/cm	2.0
10/24/07		Sulfate	270	250	mg/l	2.5
10/19/07		Total Dissolved Solid (TDS)	706	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Data Report
#219615

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

Samples Received
10/16/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
STABILIZED WATER (2710160582)					Sampled on 10/15/07 10:00			
	11/09/07 01:34	396714	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	11/09/07 01:34	396712	(ML/EPA 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	20	1
	10/20/07 00:00	394969	(SM 2320B/310.1)	Alkalinity in CaCO3 units	126	mg/l	2.0	1
	11/04/07 10:53	394978	(ML/SM1030E)	Anion Sum - Calculated	11	meq/l	0.0050	5
	11/09/07 01:34	396694	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	2.9	ug/l	1.0	1
	10/19/07 00:00	393062	(ML/EPA 200.7)	Boron, Total, ICAP	0.142	mg/l	0.050	1
	11/09/07 01:34	396928	(ML/EPA 200.8)	Barium, Total, ICAP/MS	130	ug/l	2.0	1
	11/09/07 01:34	396630	(ML/EPA 200.8)	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	10/30/07 01:53	393705	(ML/EPA 200.7)	Calcium, Total, ICAP	77	mg/l	1.0	1
	10/19/07 12:41	391601	(SM 1030E)	Cation Sum - Calculated	11	meq/l	0.0010	1
	11/09/07 01:34	396917	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	10/24/07 03:49	392529	(ML/EPA 300.0)	Chloride	99	mg/l	5.0	5
	10/18/07 00:15	391392	(EPA 314)	Perchlorate	6.3	ug/l	4.0	1
	10/23/07 12:06	392226	(SM 2330B)	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	11/09/07 01:34	396653	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	1.0	1
	11/09/07 01:34	396680	(ML/EPA 200.8)	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	10/17/07 15:21	391231	(SM 2510B)	Specific Conductance	1070	umho/cm	2.0	1
	10/23/07 00:00	392596	(SM 4500P-C)	Fluoride	0.32	mg/l	0.050	1
	10/30/07 01:53	393673	(ML/EPA 200.7)	Iron, Total, ICAP	0.029	mg/l	0.020	1
	10/23/07 12:06	392226	(SM 2330B)	Bicarb.Alkalinity as HCO3,calc	150	mg/l	2.0	1
	10/23/07 09:45	392414	(EPA 245.1)	Mercury	ND	ug/l	0.20	1
	10/30/07 01:53	393679	(ML/EPA 200.7)	Potassium, Total, ICAP	5.9	mg/l	1.0	1
	10/30/07 01:53	393684	(ML/EPA 200.7)	Magnesium, Total, ICAP	32	mg/l	0.10	1
	11/09/07 01:34	396658	(ML/EPA 200.8)	Manganese, Total, ICAP/MS	ND	ug/l	2.0	1
	10/18/07 02:08	391476	(ML/EPA 200.7)	Sodium, Total, ICAP	110	mg/l	1.0	1
	11/09/07 01:34	396672	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	10/16/07 21:27	391270	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	0.70	mg/l	0.20	2
	10/19/07 12:41	391601	(SM 2330B)	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	11/09/07 01:34	396633	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	10/18/07 00:00	391411	(SM 4500-HB)	PH (H3=past HT, not compliant)	8.0	Units	0.010	1
	11/09/07 01:34	396922	(ML/EPA 200.8)	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	11/09/07 01:34	396700	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1



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Laboratory
 Data Report
 #219615

Tronox LLC - Henderson
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	10/24/07 03:49	392524	(ML/EPA 300.0)	Sulfate	270	mg/l	2.5	5
10/19/07	10/19/07 16:30	393622	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	706	mg/l	10	1
	11/09/07 01:34	396935	(ML/EPA 200.8)	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
10/20/07	10/22/07 00:00	392124	(SM 4500CN-I)	Weak Acid Dissociable Cyanide	ND	mg/l	0.0050	1
	10/30/07 01:53	393700	(EPA/ML 200.7)	Zinc, Total, ICAP	ND	mg/l	0.020	1
Volatile Organics HSL								
	10/16/07 18:06	391278	(EPA 624)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	1,1-Dichloroethane	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	1,2-Dichloroethane	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	1,2-Dichloropropane	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	2-Butanone (MEK)	ND	ug/l	10	1
	10/16/07 18:06	391278	(EPA 624)	2-Hexanone	ND	ug/l	10	1
	10/16/07 18:06	391278	(EPA 624)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	10/16/07 18:06	391278	(EPA 624)	Acetone	ND	ug/l	10	1
	10/16/07 18:06	391278	(EPA 624)	Acrolein (Screen)	ND	ug/l	50	1
	10/16/07 18:06	391278	(EPA 624)	Acrylonitrile (Screen)	ND	ug/l	50	1
	10/16/07 18:06	391278	(EPA 624)	Benzene	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	cis-1,2-Dichloroethene	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Chlorobenzene	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	cis-1,3-Dichloropropene	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Bromoform	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Chloroform (Trichloromethane)	2.4	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Chloroethane	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Carbon disulfide	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Carbon Tetrachloride	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Dibromochloromethane	1.7	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Dichlorobromomethane	2.3	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Ethyl benzene	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Methyl Bromide	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624)	Methyl Chloride	ND	ug/l	0.5	1



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Laboratory
Data Report
#219615

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	10/16/07 18:06	391278	(EPA 624	) Methylene Chloride	ND	ug/l	3.0	1
	10/16/07 18:06	391278	(EPA 624	) m,p-Xylenes	ND	ug/l	1.0	1
	10/16/07 18:06	391278	(EPA 624	) o-Xylene	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) Tetrachloroethylene (PCE)	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) Styrene	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) trans-1,2-Dichloroethene	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) 1,1,1-Trichloroethane	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) Trichloroethylene (TCE)	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) Trichlorofluoromethane	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) trans-1,3-Dichloropropene	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) Tetrahydrofuran	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) Toluene	ND	ug/l	10	1
	10/16/07 18:06	391278	(EPA 624	) Vinyl Chloride (VC)	ND	ug/l	0.5	1
	10/16/07 18:06	391278	(EPA 624	) Vinyl Acetate	ND	ug/l	0.5	1
			(EPA 624	) 4-Bromofluorobenzene (86-115)	103	% Rec	10	1
			(EPA 624	) 1,2-Dichloroethane-d4 (80-120)	122	% Rec		
			(EPA 624	) Toluene-d8 (88-110)	98	% Rec		

STABILIZED WATER MS (2710160583)

Sampled on 10/15/07 10:00

10/23/07 00:00	392596	(SM 4500F-C) Fluoride	100.0	% Rec	0.050	1
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STABILIZED WATER MSD (2710160585)

Sampled on 10/15/07 10:00

10/23/07 00:00	392596	(SM 4500F-C) Fluoride	100.5	% Rec	0.050	1
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QC Summary
#219615

Tronox LLC - Henderson

QC Ref #391231 - Specific Conductance	Analysis Date: 10/17/2007
2710160582 STABILIZED WATER	Analyzed by: sar
QC Ref #391270 - Nitrate as Nitrogen by IC	Analysis Date: 10/16/2007
2710160582 STABILIZED WATER	Analyzed by: tlh
QC Ref #391278 - Volatile Organics HSL	Analysis Date: 10/16/2007
2710160582 STABILIZED WATER	Analyzed by: kcp
QC Ref #391392 - Perchlorate	Analysis Date: 10/18/2007
2710160582 STABILIZED WATER	Analyzed by: clv
QC Ref #391411 - PH (H3=past HT, not compliant)	Analysis Date: 10/18/2007
2710160582 STABILIZED WATER	Analyzed by: maria
QC Ref #391476 - Sodium, Total, ICAP	Analysis Date: 10/18/2007
2710160582 STABILIZED WATER	Analyzed by: ste
QC Ref #391601 - Cation Sum - Calculated	Analysis Date: 10/19/2007
2710160582 STABILIZED WATER	Analyzed by: dwr
2710160582 STABILIZED WATER	Analyzed by: dwr
QC Ref #392124 - Weak Acid Dissociable Cyanide	Analysis Date: 10/22/2007
2710160582 STABILIZED WATER	Analyzed by: lupe



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 QC Summary
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Tronox LLC - Henderson
 (continued)

QC Ref #392226 - Bicarb. Alkalinity as HCO₃, calc Analysis Date: 10/23/2007

2710160582	STABILIZED WATER	Analyzed by: dwr
2710160582	STABILIZED WATER	Analyzed by: dwr

QC Ref #392414 - Mercury Analysis Date: 10/23/2007

2710160582	STABILIZED WATER	Analyzed by: nina
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QC Ref #392524 - Sulfate Analysis Date: 10/24/2007

2710160582	STABILIZED WATER	Analyzed by: jkz
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QC Ref #392529 - Chloride Analysis Date: 10/24/2007

2710160582	STABILIZED WATER	Analyzed by: jkz
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QC Ref #392596 - Fluoride Analysis Date: 10/23/2007

2710160582	STABILIZED WATER	Analyzed by: faj
2710160583	STABILIZED WATER MS	Analyzed by: faj
2710160585	STABILIZED WATER MSD	Analyzed by: faj

QC Ref #393062 - Boron, Total, ICAP Analysis Date: 10/19/2007

2710160582	STABILIZED WATER	Analyzed by: ste
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QC Ref #393622 - Total Dissolved Solid (TDS) Analysis Date: 10/19/2007

2710160582	STABILIZED WATER	Analyzed by: yvette
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QC Summary
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Tronox LLC - Henderson
(continued)

QC Ref #393673 - Iron, Total, ICAP		Analysis Date: 10/30/2007
2710160582	STABILIZED WATER	Analyzed by: ste
QC Ref #393679 - Potassium, Total, ICAP		Analysis Date: 10/30/2007
2710160582	STABILIZED WATER	Analyzed by: ste
QC Ref #393684 - Magnesium, Total, ICAP		Analysis Date: 10/30/2007
2710160582	STABILIZED WATER	Analyzed by: ste
QC Ref #393700 - Zinc, Total, ICAP		Analysis Date: 10/30/2007
2710160582	STABILIZED WATER	Analyzed by: ste
QC Ref #393705 - Calcium, Total, ICAP		Analysis Date: 10/30/2007
2710160582	STABILIZED WATER	Analyzed by: ste
QC Ref #394969 - Alkalinity in CaCO3 units		Analysis Date: 10/20/2007
2710160582	STABILIZED WATER	Analyzed by: anh
QC Ref #394978 - Anion Sum - Calculated		Analysis Date: 11/04/2007
2710160582	STABILIZED WATER	Analyzed by: dwr
2710160582	STABILIZED WATER	Analyzed by: dwr
QC Ref #396630 - Beryllium, Total, ICAP/MS		Analysis Date: 11/09/2007
2710160582	STABILIZED WATER	Analyzed by: dyh



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QC Summary
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Tronox LLC - Henderson
(continued)

QC Ref #396633 - Lead, Total, ICAP/MS	Analysis Date: 11/09/2007
2710160582 STABILIZED WATER	Analyzed by: dyh
QC Ref #396653 - Chromium, Total, ICAP/MS	Analysis Date: 11/09/2007
2710160582 STABILIZED WATER	Analyzed by: dyh
QC Ref #396658 - Manganese, Total, ICAP/MS	Analysis Date: 11/09/2007
2710160582 STABILIZED WATER	Analyzed by: dyh
QC Ref #396672 - Nickel, Total, ICAP/MS	Analysis Date: 11/09/2007
2710160582 STABILIZED WATER	Analyzed by: dyh
QC Ref #396680 - Copper, Total, ICAP/MS	Analysis Date: 11/09/2007
2710160582 STABILIZED WATER	Analyzed by: dyh
QC Ref #396694 - Arsenic, Total, ICAP/MS	Analysis Date: 11/09/2007
2710160582 STABILIZED WATER	Analyzed by: dyh
QC Ref #396700 - Selenium, Total, ICAP/MS	Analysis Date: 11/09/2007
2710160582 STABILIZED WATER	Analyzed by: dyh
QC Ref #396712 - Aluminum, Total, ICAP/MS	Analysis Date: 11/09/2007
2710160582 STABILIZED WATER	Analyzed by: dyh



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QC Summary
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Tronox LLC - Henderson
(continued)

QC Ref #396714 - Silver, Total, ICAP/MS 2710160582	STABILIZED WATER	Analysis Date: 11/09/2007 Analyzed by: dyh
QC Ref #396917 - Cadmium, Total, ICAP/MS 2710160582	STABILIZED WATER	Analysis Date: 11/09/2007 Analyzed by: dyh
QC Ref #396922 - Antimony, Total, ICAP/MS 2710160582	STABILIZED WATER	Analysis Date: 11/09/2007 Analyzed by: dyh
QC Ref #396928 - Barium, Total, ICAP/MS 2710160582	STABILIZED WATER	Analysis Date: 11/09/2007 Analyzed by: dyh
QC Ref #396935 - Thallium, Total, ICAP/MS 2710160582	STABILIZED WATER	Analysis Date: 11/09/2007 Analyzed by: dyh

Tronox LLC - Henderson

QC Ref #391231 Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	432	437	UMHO		(0-20)	1.2
DUP2	Specific Conductance	471	462	UMHO		(0-20)	1.9
LCS1	Specific Conductance	1000	988	UMHO	98.8	(90-110)	
LCS2	Specific Conductance	1000	970	UMHO	97.0	(90-110)	
MBLK	Specific Conductance	ND	<2.0	UMHO			
MRL_CHK	Specific Conductance	2.00	1.74	UMHO	87.0	(50-150)	

QC Ref #391270 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10150410	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.49	MGL	99.6	(90-110)	
LCS2	Nitrate as Nitrogen by IC	2.5	2.42	MGL	96.8	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0469	MGL	93.8	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.22	MGL	97.6	(80-112)	
MSD	Nitrate as Nitrogen by IC	1.25	1.26	MGL	100.8	(80-112)	
RPD_LCS	Nitrate as Nitrogen by IC	99.600	96.800	MGL	2.9	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	97.600	100.800	MGL	3.2	(0-20)	

QC Ref #391278 Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,2-Trichloroethane (1,1,2-T	5.0	4.90	UGL	98.0	(82-117)	
LCS2	1,1,2-Trichloroethane (1,1,2-T	5.0	4.61	UGL	92.2	(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	10.3	UGL	103.0	(82-130)	
RPD_LCS	1,1,2-Trichloroethane (1,1,2-T	98.000	92.200	UGL	6.1	(0-20)	
LCS1	1,1-Dichloroethylene (1,1DCE)	5.0	4.96	UGL	99.2	(81-129)	
LCS2	1,1-Dichloroethylene (1,1DCE)	5.0	4.72	UGL	94.4	(81-129)	
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	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
are advisory only, unless otherwise specified in the method.

Tronox LLC - Henderson
 (continued)

MS	1,1-Dichloroethylene (1,1DCE)	10	10.6	UGL	106.0	(82-140)
RPD_LCS	1,1-Dichloroethylene (1,1DCE)	99.200	94.400	UGL	5.0	(0-20)
LCS1	1,1-Dichloroethane	5.0	4.94	UGL	98.8	(85-120)
LCS2	1,1-Dichloroethane	5.0	4.53	UGL	90.6	(85-120)
MBLK	1,1-Dichloroethane	ND	<0.5	UGL		
MS	1,1-Dichloroethane	10	10.1	UGL	101.0	(84-133)
RPD_LCS	1,1-Dichloroethane	98.800	90.600	UGL	8.7	(0-20)
LCS1	o-Dichlorobenzene (1,2-DCB)	5.0	4.42	UGL	88.4	(88-118)
LCS2	o-Dichlorobenzene (1,2-DCB)	5.0	4.61	UGL	92.2	(88-118)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL		
MS	o-Dichlorobenzene (1,2-DCB)	10	9.75	UGL	97.5	(85-119)
RPD_LCS	o-Dichlorobenzene (1,2-DCB)	88.400	92.200	UGL	4.2	(0-20)
LCS1	1,2-Dichloroethane	5.0	5.62	UGL	112.4	(86-123)
LCS2	1,2-Dichloroethane	5.0	5.11	UGL	102.2	(86-123)
MBLK	1,2-Dichloroethane	ND	<0.5	UGL		
MS	1,2-Dichloroethane	10	11.0	UGL	110.0	(81-133)
RPD_LCS	1,2-Dichloroethane	112.400	102.200	UGL	9.5	(0-20)
LCS1	1,2-Dichloropropane	5.0	4.47	UGL	89.4	(84-112)
LCS2	1,2-Dichloropropane	5.0	4.45	UGL	89.0	(84-112)
MBLK	1,2-Dichloropropane	ND	<0.5	UGL		
MS	1,2-Dichloropropane	10	9.61	UGL	96.1	(83-123)
RPD_LCS	1,2-Dichloropropane	89.400	89.000	UGL	0.4	(0-20)
LCS1	m-Dichlorobenzene (1,3-DCB)	5.0	4.87	UGL	97.4	(81-139)
LCS2	m-Dichlorobenzene (1,3-DCB)	5.0	4.78	UGL	95.6	(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)	97.400	95.600	UGL	1.9	(0-20)
LCS1	p-Dichlorobenzene (1,4-DCB)	5.0	5.03	UGL	100.6	(83-140)
LCS2	p-Dichlorobenzene (1,4-DCB)	5.0	4.92	UGL	98.4	(83-140)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10	10.8	UGL	108.0	(80-135)
RPD_LCS	p-Dichlorobenzene (1,4-DCB)	100.600	98.400	UGL	2.2	(0-20)
LCS1	2-Butanone (MEK)	50	38.6	UGL	77.2	(71-120)
LCS2	2-Butanone (MEK)	50	38.6	UGL	77.2	(71-120)
MBLK	2-Butanone (MEK)	ND	<10	UGL		
MS	2-Butanone (MEK)	100	82.7	UGL	82.7	(53-126)

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)**

RPD_LCS	2-Butanone (MEK)	77.200	77.200	UGL	0.0	(0-20)
LCS1	2-Hexanone	50	43.0	UGL	86.0	(75-115)
LCS2	2-Hexanone	50	42.8	UGL	85.6	(75-115)
MBLK	2-Hexanone	ND	<10	UGL		
MS	2-Hexanone	100	90.5	UGL	90.5	(58-139)
RPD_LCS	2-Hexanone	86.000	85.600	UGL	0.5	(0-20)
LCS1	4-Methyl-2-Pentanone (MIBK)	50	45.2	UGL	90.4	(76-118)
LCS2	4-Methyl-2-Pentanone (MIBK)	50	44.6	UGL	89.2	(76-118)
MBLK	4-Methyl-2-Pentanone (MIBK)	ND	<10	UGL		
MS	4-Methyl-2-Pentanone (MIBK)	100	91.3	UGL	91.3	(64-142)
RPD_LCS	4-Methyl-2-Pentanone (MIBK)	90.400	89.200	UGL	1.3	(0-20)
MS	Spiked sample	Lab # 27	10110110	NONE		(0-0)
LCS1	Acetone	50	34.4	UGL	68.8	(61-125)
LCS2	Acetone	50	36.2	UGL	72.4	(61-125)
MBLK	Acetone	ND	<10	UGL		
MS	Acetone	100	94.1	UGL	94.1	(17-132)
RPD_LCS	Acetone	68.800	72.400	UGL	5.1	(0-20)
LCS1	Benzene	5.0	4.83	UGL	96.6	(89-119)
LCS2	Benzene	5.0	4.63	UGL	92.6	(89-119)
MBLK	Benzene	ND	<0.5	UGL		
MS	Benzene	10	10.2	UGL	102.0	(85-131)
RPD_LCS	Benzene	96.600	92.600	UGL	4.2	(0-20)
LCS1	cis-1,2-Dichloroethene	5.0	4.97	UGL	99.4	(85-117)
LCS2	cis-1,2-Dichloroethene	5.0	4.74	UGL	94.8	(85-117)
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL		
MS	cis-1,2-Dichloroethene	10	10.8	UGL	108.0	(85-132)
RPD_LCS	cis-1,2-Dichloroethene	99.400	94.800	UGL	4.7	(0-20)
LCS1	Chlorobenzene	5.0	4.86	UGL	97.2	(88-118)
LCS2	Chlorobenzene	5.0	4.64	UGL	92.8	(88-118)
MBLK	Chlorobenzene	ND	<0.5	UGL		
MS	Chlorobenzene	10	10.6	UGL	106.0	(87-126)
RPD_LCS	Chlorobenzene	97.200	92.800	UGL	4.6	(0-20)
LCS1	cis-1,3-Dichloropropene	5.0	5.00	UGL	100.0	(75-109)
LCS2	cis-1,3-Dichloropropene	5.0	4.74	UGL	94.8	(75-109)
MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL		
MS	cis-1,3-Dichloropropene	10	10.4	UGL	104.0	(50-133)

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**Tronox LLC - Henderson
 (continued)**

RPD_LCS	cis-1,3-Dichloropropene	100.000	94.800	UGL	5.3	(0-20)
LCS1	Bromoform	5.0	5.39	UGL	107.8	(75-129)
LCS2	Bromoform	5.0	5.41	UGL	108.2	(75-129)
MBLK	Bromoform	ND	<0.5	UGL		
MS	Bromoform	10	10.7	UGL	107.0	(68-131)
RPD_LCS	Bromoform	107.800	108.200	UGL	0.4	(0-20)
LCS1	Chloroform (Trichloromethane)	5.0	5.18	UGL	103.6	(85-121)
LCS2	Chloroform (Trichloromethane)	5.0	4.75	UGL	95.0	(85-121)
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL		
MS	Chloroform (Trichloromethane)	10	10.6	UGL	106.0	(81-140)
RPD_LCS	Chloroform (Trichloromethane)	103.600	95.000	UGL	8.7	(0-20)
LCS1	Chloroethane	5.0	5.05	UGL	101.0	(76-127)
LCS2	Chloroethane	5.0	5.00	UGL	100.0	(76-127)
MBLK	Chloroethane	ND	<0.5	UGL		
MS	Chloroethane	10	11.0	UGL	110.0	(58-159)
RPD_LCS	Chloroethane	101.000	100.000	UGL	1.0	(0-20)
LCS1	Carbon disulfide	5.0	4.15	UGL	83.0	(73-129)
LCS2	Carbon disulfide	5.0	3.97	UGL	79.4	(73-129)
MBLK	Carbon disulfide	ND	<0.5	UGL		
MS	Carbon disulfide	10	9.63	UGL	96.3	(80-138)
RPD_LCS	Carbon disulfide	83.000	79.400	UGL	4.4	(0-20)
LCS1	Carbon Tetrachloride	5.0	5.59	UGL	111.8	(79-124)
LCS2	Carbon Tetrachloride	5.0	5.15	UGL	103.0	(79-124)
MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10	12.6	UGL	126.0	(77-145)
RPD_LCS	Carbon Tetrachloride	111.800	103.000	UGL	8.2	(0-20)
LCS1	Dibromochloromethane	5.0	5.31	UGL	106.2	(79-118)
LCS2	Dibromochloromethane	5.0	5.09	UGL	101.8	(79-118)
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10	11.0	UGL	110.0	(78-133)
RPD_LCS	Dibromochloromethane	106.200	101.800	UGL	4.2	(0-20)
LCS1	Dichlorobromomethane	5.0	5.26	UGL	105.2	(80-115)
LCS2	Dichlorobromomethane	5.0	4.92	UGL	98.4	(80-115)
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10	11.2	UGL	112.0	(81-132)
RPD_LCS	Dichlorobromomethane	105.200	98.400	UGL	6.7	(0-20)

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Tronox LLC - Henderson
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LCS1	Ethyl benzene	5.0	4.98	UGL	99.6	(83-115)
LCS2	Ethyl benzene	5.0	4.74	UGL	94.8	(83-115)
MBLK	Ethyl benzene	ND	<0.5	UGL		
MS	Ethyl benzene	10	11.0	UGL	110.0	(85-128)
RPD_LCS	Ethyl benzene	99.600	94.800	UGL	4.9	(0-20)
LCS1	Dichlorodifluoromethane	5.0	3.88	UGL	77.6	(63-131)
LCS2	Dichlorodifluoromethane	5.0	3.58	UGL	71.6	(63-131)
MBLK	Dichlorodifluoromethane	ND	<0.5	UGL		
MS	Dichlorodifluoromethane	10	11.3	UGL	113.0	(74-151)
RPD_LCS	Dichlorodifluoromethane	77.600	71.600	UGL	8.0	(0-20)
LCS1	Methyl Bromide	5.0	4.88	UGL	97.6	(58-145)
LCS2	Methyl Bromide	5.0	4.92	UGL	98.4	(58-145)
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10	10.4	UGL	104.0	(48-158)
RPD_LCS	Methyl Bromide	97.600	98.400	UGL	0.8	(0-20)
LCS1	Methyl Chloride	5.0	4.51	UGL	90.2	(76-126)
LCS2	Methyl Chloride	5.0	4.33	UGL	86.6	(76-126)
MBLK	Methyl Chloride	ND	<0.5	UGL		
MS	Methyl Chloride	10	9.50	UGL	95.0	(68-141)
RPD_LCS	Methyl Chloride	90.200	86.600	UGL	4.1	(0-20)
LCS1	Methylene Chloride	5.0	4.74	UGL	94.8	(83-123)
LCS2	Methylene Chloride	5.0	4.57	UGL	91.4	(83-123)
MBLK	Methylene Chloride	ND	<3.0	UGL		
MS	Methylene Chloride	10	10.5	UGL	105.0	(83-134)
RPD_LCS	Methylene Chloride	94.800	91.400	UGL	3.7	(0-20)
LCS1	m,p-Xylenes	10	10.3	UGL	103.0	(89-120)
LCS2	m,p-Xylenes	10	9.84	UGL	98.4	(89-120)
MBLK	m,p-Xylenes	ND	<1.0	UGL		
MS	m,p-Xylenes	20	22.4	UGL	112.0	(85-139)
RPD_LCS	m,p-Xylenes	103.000	98.400	UGL	4.6	(0-20)
LCS1	o-Xylene	5.0	4.95	UGL	99.0	(84-111)
LCS2	o-Xylene	5.0	4.70	UGL	94.0	(84-111)
MBLK	o-Xylene	ND	<0.5	UGL		
MS	o-Xylene	10	10.5	UGL	105.0	(83-132)
RPD_LCS	o-Xylene	99.000	94.000	UGL	5.2	(0-20)
LCS1	1,1,2,2-Tetrachloroethane	5.0	4.86	UGL	97.2	(83-131)

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Tronox LLC - Henderson (continued)

LCS2	1,1,2,2-Tetrachloroethane	5.0	4.75	UGL	95.0	(83-131)
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10	9.32	UGL	93.2	(83-127)
RPD_LCS	1,1,2,2-Tetrachloroethane	97.200	95.000	UGL	2.3	(0-20)
LCS1	Tetrachloroethylene (PCE)	5.0	4.84	UGL	96.8	(81-132)
LCS2	Tetrachloroethylene (PCE)	5.0	4.77	UGL	95.4	(81-132)
MBLK	Tetrachloroethylene (PCE)	ND	<0.5	UGL		
MS	Tetrachloroethylene (PCE)	10	10.8	UGL	108.0	(83-143)
RPD_LCS	Tetrachloroethylene (PCE)	96.800	95.400	UGL	1.5	(0-20)
LCS1	Styrene	5.0	4.85	UGL	97.0	(83-115)
LCS2	Styrene	5.0	4.74	UGL	94.8	(83-115)
MBLK	Styrene	ND	<0.5	UGL		
MS	Styrene	10	11.0	UGL	110.0	(56-140)
RPD_LCS	Styrene	97.000	94.800	UGL	2.3	(0-20)
LCS1	1,2-dichloroethane-d4	100	114	%R	114.0	(70-130)
LCS2	1,2-dichloroethane-d4	100	112	%R	112.0	(70-130)
MBLK	1,2-dichloroethane-d4	100	121	%R	121.0	
MS	1,2-dichloroethane-d4	100	117	%R	117.0	(70-130)
RPD_LCS	1,2-dichloroethane-d4	114.000	112.000	%R	1.8	(0-20)
LCS1	Toluene-d8	100	103	%R	103.0	(70-130)
LCS2	Toluene-d8	100	103	%R	103.0	(70-130)
MBLK	Toluene-d8	100	102	%R	102.0	
MS	Toluene-d8	100	104	%R	104.0	(70-130)
RPD_LCS	Toluene-d8	103.000	103.000	%R	0.0	(0-20)
LCS1	4-Bromofluorobenzene	100	105	%R	105.0	(70-130)
LCS2	4-Bromofluorobenzene	100	104	%R	104.0	(70-130)
MBLK	4-Bromofluorobenzene	100	103	%R	103.0	
MS	4-Bromofluorobenzene	100	108	%R	108.0	(70-130)
RPD_LCS	4-Bromofluorobenzene	105.000	104.000	%R	1.0	(0-20)
LCS1	trans-1,2-Dichloroethene	5.0	5.03	UGL	100.6	(84-126)
LCS2	trans-1,2-Dichloroethene	5.0	4.75	UGL	95.0	(84-126)
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		
MS	trans-1,2-Dichloroethene	10	10.5	UGL	105.0	(82-136)
RPD_LCS	trans-1,2-Dichloroethene	100.600	95.000	UGL	5.7	(0-20)
LCS1	1,1,1-Trichloroethane	5.0	5.63	UGL	112.6	(82-121)
LCS2	1,1,1-Trichloroethane	5.0	5.24	UGL	104.8	(82-121)

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Tronox LLC - Henderson
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MBLK	1,1,1-Trichloroethane	ND	<0.5	UGL		
MS	1,1,1-Trichloroethane	10	12.2	UGL	122.0	(84-137)
RPD_LCS	1,1,1-Trichloroethane	112.600	104.800	UGL	7.2	(0-20)
LCS1	Trichloroethylene (TCE)	5.0	4.87	UGL	97.4	(86-120)
LCS2	Trichloroethylene (TCE)	5.0	4.63	UGL	92.6	(86-120)
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10	10.4	UGL	104.0	(86-130)
RPD_LCS	Trichloroethylene (TCE)	97.400	92.600	UGL	5.1	(0-20)
LCS1	Trichlorofluoromethane	5.0	5.62	UGL	112.4	(76-133)
LCS2	Trichlorofluoromethane	5.0	5.46	UGL	109.2	(76-133)
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		
MS	Trichlorofluoromethane	10	12.1	UGL	121.0	(75-153)
RPD_LCS	Trichlorofluoromethane	112.400	109.200	UGL	2.9	(0-20)
<u>LCS1</u>	<u>trans-1,3-Dichloropropene</u>	<u>5.0</u>	<u>5.00</u>	<u>UGL</u>	<u>100.0</u>	<u>(71-114)</u>
LCS2	trans-1,3-Dichloropropene	5.0	4.84	UGL	96.8	(71-114)
MBLK	trans-1,3-Dichloropropene	ND	<0.5	UGL		
MS	trans-1,3-Dichloropropene	10	10.5	UGL	105.0	(45-141)
RPD_LCS	trans-1,3-Dichloropropene	100.000	96.800	UGL	3.3	(0-20)
LCS1	Tetrahydrofuran	50	43.9	UGL	87.8	(79-121)
LCS2	Tetrahydrofuran	50	45.0	UGL	90.0	(79-121)
MBLK	Tetrahydrofuran	ND	<10	UGL		
MS	Tetrahydrofuran	100	94.0	UGL	94.0	(66-134)
RPD_LCS	Tetrahydrofuran	87.800	90.000	UGL	2.5	(0-20)
LCS1	Toluene	5.0	4.73	UGL	94.6	(88-118)
LCS2	Toluene	5.0	4.55	UGL	91.0	(88-118)
MBLK	Toluene	ND	<0.5	UGL		
MS	Toluene	10	10.5	UGL	105.0	(87-128)
RPD_LCS	Toluene	94.600	91.000	UGL	3.9	(0-20)
LCS1	Vinyl Chloride (VC)	5.0	4.53	UGL	90.6	(72-125)
LCS2	Vinyl Chloride (VC)	5.0	4.21	UGL	84.2	(72-125)
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL		
MS	Vinyl Chloride (VC)	10	10.3	UGL	103.0	(79-137)
RPD_LCS	Vinyl Chloride (VC)	90.600	84.200	UGL	7.3	(0-20)
LCS1	Vinyl Acetate	25	26.0	UGL	104.0	(61-125)
LCS2	Vinyl Acetate	25	25.0	UGL	100.0	(61-125)
MBLK	Vinyl Acetate	ND	<10	UGL		

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Tronox LLC - Henderson
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MS	Vinyl Acetate	50	51.0	UGL	102.0	(40-142)
RPD_LCS	Vinyl Acetate	104.000	100.000	UGL	3.9	(0-20)

QC Ref #391392 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.2	UGL	104.8	(85-115)	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS3	Perchlorate	4	3.84	UGL	96.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	28.7	UGL	114.8	(80-120)	
MSD	Perchlorate	25.0	28.6	UGL	114.4	(80-120)	
RPD_LCS	Perchlorate	104.800	105.600	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	114.800	114.400	UGL	1.0	(0-15)	

QC Ref #391411 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160558	UNIT		(0-0)	
DUP	PH (H3=past HT, not compliant)	7.4	7.3	UNIT		(0-20)	1.4

QC Ref #391476 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	52.3	MGL	104.6	(85-115)	
LCS2	Sodium, Total, ICAP	50	51.4	MGL	102.8	(85-115)	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	0.962	MGL	96.2	(50-150)	
MS	Sodium, Total, ICAP	50	45.3	MGL	90.6	(70-130)	
MS2	Sodium, Total, ICAP	50	50.6	MGL	101.2	(70-130)	
MSD	Sodium, Total, ICAP	50	44.6	MGL	89.2	(70-130)	
MSD2	Sodium, Total, ICAP	50	50.2	MGL	100.4	(70-130)	

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RPD_LCS	Sodium, Total, ICAP	104.600	102.800	MGL	1.7	(0-20)
RPD_MS	Sodium, Total, ICAP	90.600	89.200	MGL	1.6	(0-20)

QC Ref #392124 Weak Acid Dissociable Cyanide

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	MGL		(0-0)	
LCS1	Weak Acid Dissociable Cyanide	0.1	0.103	MGL	103.0	(90-110)	
LCS2	Weak Acid Dissociable Cyanide	0.1	0.103	MGL	103.0	(90-110)	
MBLK	Weak Acid Dissociable Cyanide	ND	<0.0050	MGL			
MS	Weak Acid Dissociable Cyanide	0.1	0.114	MGL	114.0	(85-115)	
MSD	Weak Acid Dissociable Cyanide	0.1	0.115	MGL	115.0	(85-115)	

QC Ref #392414 Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	10150205	UGL		(0-0)	
LCS1	Mercury	1.50	1.46	UGL	97.3	(85-115)	
LCS2	Mercury	1.50	1.44	UGL	96.0	(85-115)	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.192	UGL	96.0	(50-150)	
MS	Mercury	1.50	1.49	UGL	99.3	(70-130)	
MSD	Mercury	1.50	1.50	UGL	100.0	(70-130)	
RPD_LCS	Mercury	97.333	96.000	UGL	1.4	(0-20)	
RPD_MS	Mercury	99.333	100.000	UGL	0.7	(0-20)	

QC Ref #392524 Sulfate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10230283	MGL		(0-0)	
LCS1	Sulfate	50	50.6	MGL	101.2	(90-110)	
LCS2	Sulfate	50	49.8	MGL	99.6	(90-110)	
MBLK	Sulfate	ND	<0.50	MGL			

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MRL_CHK	Sulfate	1.00	0.878	MGL	87.8	(50-150)
MS	Sulfate	25	25.1	MGL	100.4	(83-115)
MSD	Sulfate	25	24.9	MGL	99.6	(83-115)
RPD_LCS	Sulfate	101.200	99.600	MGL	1.6	(0-20)
RPD_MS	Sulfate	100.400	99.600	MGL	0.8	(0-20)

QC Ref #392529 Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10230283	MGL		(0-0)	
LCS1	Chloride	25	25.4	MGL	101.6	(90-110)	
LCS2	Chloride	25	25.0	MGL	100.0	(90-110)	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.395	MGL	79.0	(50-150)	
MS	Chloride	12.5	12.8	MGL	102.4	(74-126)	
MSD	Chloride	12.5	12.7	MGL	101.6	(74-126)	
RPD_LCS	Chloride	101.600	100.000	MGL	1.6	(0-20)	
RPD_MS	Chloride	102.400	101.600	MGL	0.8	(0-20)	

QC Ref #392596 Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	10160582	MGL		(0-0)	
CCC3	Fluoride	10.0	9.23	MGL	92.3	(81-116)	
CCCH	Fluoride	10.0	9.65	MGL	96.5	(81-116)	
CCCL	Fluoride	0.5	0.455	MGL	91.0	(81-116)	
CCCM	Fluoride	0.5	0.471	MGL	94.2	(81-116)	
CCCS	Fluoride	0.05	0.039	MGL	78.0	(50-150)	
LCS1	Fluoride	1.00	0.971	MGL	97.1	(81-116)	
LCS2	Fluoride	1.00	0.980	MGL	98.0	(81-116)	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.038	MGL	76.0	(50-150)	
MS	Fluoride	1.00	1.00	MGL	100.0	(73-124)	
MS2	Fluoride	1.00	0.985	MGL	98.5	(73-124)	

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Tronox LLC - Henderson
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MSD	Fluoride	1.00	1.01	MGL	101.0	(73-124)
MSD2	Fluoride	1.00	1.00	MGL	100.0	(73-124)
RPD_LCS	Fluoride	97.100	98.000	MGL	0.9	(0-20)
RPD_MS	Fluoride	100.000	101.000	MGL	1.0	(0-20)

QC Ref #393062 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10190337	MGL	0.0	(0-0)	
LCS1	Boron, Total, ICAP	0.5	0.450	MGL	90.0	(85-115)	
LCS2	Boron, Total, ICAP	0.5	0.464	MGL	92.8	(85-115)	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
<u>MRL_CHK</u>	<u>Boron, Total, ICAP</u>	<u>0.050</u>	<u>0.0314</u>	<u>MGL</u>	<u>62.8</u>	<u>(50-150)</u>	
MS	Boron, Total, ICAP	0.5	0.507	MGL	101.4	(70-130)	
MSD	Boron, Total, ICAP	0.5	0.499	MGL	99.8	(70-130)	
MSD2	Boron, Total, ICAP	0.5	0.438	MGL	87.6	(70-130)	
RPD_LCS	Boron, Total, ICAP	90.000	92.800	MGL	3.1	(0-20)	
RPD_MS	Boron, Total, ICAP	101.400	99.800	MGL	1.6	(0-20)	

QC Ref #393622 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10170551	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	790	782	MGL		(0-10)	1.0
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	704	MGL	100.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	5	MGL	50.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	100.571	100.571	MGL	0.0	(0-20)	

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Laboratory
 QC Report
 #219615

Tronox LLC - Henderson
 (continued)

QC Ref #393673 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	5.07	MGL	101.4	(85-115)	
LCS2	Iron, Total, ICAP	5.0	5.08	MGL	101.6	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0189	MGL	94.5	(50-150)	
MS	Iron, Total, ICAP	5.0	5.08	MGL	101.6	(70-130)	
MS2	Iron, Total, ICAP	5.0	5.11	MGL	102.2	(70-130)	
MSD	Iron, Total, ICAP	5.0	5.04	MGL	100.8	(70-130)	
MSD2	Iron, Total, ICAP	5.0	5.11	MGL	102.2	(70-130)	
<u>RPD_LCS</u>	<u>Iron, Total, ICAP</u>	<u>101.400</u>	<u>101.600</u>	<u>MGL</u>	<u>0.2</u>	<u>(0-20)</u>	
RPD_MS	Iron, Total, ICAP	101.600	100.800	MGL	0.8	(0-20)	

QC Ref #393679 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	20.5	MGL	102.5	(85-115)	
LCS2	Potassium, Total, ICAP	20	20.7	MGL	103.5	(85-115)	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	0.805	MGL	80.5	(50-150)	
MS	Potassium, Total, ICAP	20	20.6	MGL	103.0	(70-130)	
MS2	Potassium, Total, ICAP	20	21.6	MGL	108.0	(70-130)	
MSD	Potassium, Total, ICAP	20	20.8	MGL	104.0	(70-130)	
MSD2	Potassium, Total, ICAP	20	21.6	MGL	108.0	(70-130)	
RPD_LCS	Potassium, Total, ICAP	102.500	103.500	MGL	1.0	(0-20)	
RPD_MS	Potassium, Total, ICAP	103.000	104.000	MGL	1.0	(0-20)	

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 are advisory only, unless otherwise specified in the method.

Tronox LLC - Henderson
(continued)

QC Ref #393684 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	21.0	MGL	105.0	(85-115)	
LCS2	Magnesium, Total, ICAP	20	21.0	MGL	105.0	(85-115)	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.105	MGL	105.0	(50-150)	
MS	Magnesium, Total, ICAP	20	21.2	MGL	106.0	(70-130)	
MS2	Magnesium, Total, ICAP	20	17.7	MGL	88.5	(70-130)	
MSD	Magnesium, Total, ICAP	20	21.0	MGL	105.0	(70-130)	
MSD2	Magnesium, Total, ICAP	20	18.1	MGL	90.5	(70-130)	
<u>RPD_LCS</u>	<u>Magnesium, Total, ICAP</u>	<u>105.000</u>	<u>105.000</u>	<u>MGL</u>	<u>0.0</u>	<u>(0-20)</u>	
RPD_MS	Magnesium, Total, ICAP	106.000	105.000	MGL	0.9	(0-20)	

QC Ref #393700 Zinc, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Zinc, Total, ICAP	1.00	1.02	MGL	102.0	(85-115)	
LCS2	Zinc, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Zinc, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Zinc, Total, ICAP	0.020	0.020	MGL	100.0	(50-150)	
MS	Zinc, Total, ICAP	1.00	1.04	MGL	104.0	(70-130)	
MSD	Zinc, Total, ICAP	1.00	1.06	MGL	106.0	(70-130)	

QC Ref #393705 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	51.1	MGL	102.2	(85-115)	
LCS2	Calcium, Total, ICAP	50	51.0	MGL	102.0	(85-115)	
MBLK	Calcium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Calcium, Total, ICAP	1.000	1.04	MGL	104.0	(50-150)	
MS	Calcium, Total, ICAP	50	51.1	MGL	102.2	(70-130)	

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Tronox LLC - Henderson
 (continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS2	Calcium, Total, ICAP	50	48.9	MGL	97.8	(70-130)	
MSD	Calcium, Total, ICAP	50	51.4	MGL	102.8	(70-130)	
MSD2	Calcium, Total, ICAP	50	49.2	MGL	98.4	(70-130)	
RPD_LCS	Calcium, Total, ICAP	102.200	102.000	MGL	0.2	(0-20)	
RPD_MS	Calcium, Total, ICAP	102.200	102.800	MGL	0.6	(0-20)	

QC Ref #394969 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	10170553	MGL		(0-0)	
LCS1	Alkalinity in CaCO3 units	100	102	MGL	102.0	(90-110)	
LCS2	Alkalinity in CaCO3 units	100	104	MGL	104.0	(90-110)	
<u>MBLK</u>	<u>Alkalinity in CaCO3 units</u>	<u>ND</u>	<u><2.0</u>	<u>MGL</u>			
MRL_CHK	Alkalinity in CaCO3 units	2.00	2.88	MGL	144.0	(50-150)	
MS	Alkalinity in CaCO3 units	100	103	MGL	103.0	(80-120)	
MSD	Alkalinity in CaCO3 units	100	86	MGL	86.0	(80-120)	
RPD_LCS	Alkalinity in CaCO3 units	102.000	104.000	MGL	1.9	(0-10)	
RPD_MS	Alkalinity in CaCO3 units	103.000	86.000	MGL	18.0	(0-20)	

QC Ref #396630 Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Beryllium, Total, ICAP/MS	5.00	4.98	UGL	99.6	(85-115)	
LCS2	Beryllium, Total, ICAP/MS	5.00	5.03	UGL	100.6	(85-115)	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	0.953	UGL	95.3	(50-150)	
MS	Beryllium, Total, ICAP/MS	5.00	5.02	UGL	100.4	(70-130)	
MS2	Beryllium, Total, ICAP/MS	5.00	4.88	UGL	97.6	(70-130)	
MSD	Beryllium, Total, ICAP/MS	5.00	4.96	UGL	99.2	(70-130)	
MSD2	Beryllium, Total, ICAP/MS	5.00	5.08	UGL	101.6	(70-130)	
RPD_LCS	Beryllium, Total, ICAP/MS	99.600	100.600	UGL	1.0	(0-20)	
RPD_MS	Beryllium, Total, ICAP/MS	100.400	99.200	UGL	1.2	(0-20)	

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Tronox LLC - Henderson
 (continued)

QC Ref #396633 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Lead, Total, ICAP/MS	20	21.2	UGL	106.0	(85-115)	
LCS2	Lead, Total, ICAP/MS	20	21.2	UGL	106.0	(85-115)	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.510	UGL	102.0	(50-150)	
MS	Lead, Total, ICAP/MS	20	19.2	UGL	96.0	(70-130)	
MS2	Lead, Total, ICAP/MS	20	18.6	UGL	93.0	(70-130)	
<u>MSD</u>	<u>Lead, Total, ICAP/MS</u>	<u>20</u>	<u>18.8</u>	<u>UGL</u>	<u>94.0</u>	<u>(70-130)</u>	
MSD2	Lead, Total, ICAP/MS	20	19.1	UGL	95.5	(70-130)	
RPD_LCS	Lead, Total, ICAP/MS	106.000	106.000	UGL	0.0	(0-20)	
RPD_MS	Lead, Total, ICAP/MS	96.000	94.000	UGL	2.1	(0-20)	

QC Ref #396653 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Chromium, Total, ICAP/MS	100	103	UGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP/MS	100	104	UGL	104.0	(85-115)	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	1.05	UGL	105.0	(50-150)	
MS	Chromium, Total, ICAP/MS	100	98.8	UGL	98.8	(70-130)	
MS2	Chromium, Total, ICAP/MS	100	95.3	UGL	95.3	(70-130)	
MSD	Chromium, Total, ICAP/MS	100	96.8	UGL	96.8	(70-130)	
MSD2	Chromium, Total, ICAP/MS	100	99.1	UGL	99.1	(70-130)	
RPD_LCS	Chromium, Total, ICAP/MS	103.000	104.000	UGL	1.0	(0-20)	
RPD_MS	Chromium, Total, ICAP/MS	98.800	96.800	UGL	2.0	(0-20)	

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Tronox LLC - Henderson
 (continued)

QC Ref #396658 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Manganese, Total, ICAP/MS	50	51.0	UGL	102.0	(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	2.00	UGL	100.0	(50-150)	
MS2	Manganese, Total, ICAP/MS	50	46.5	UGL	93.0	(70-130)	
MSD2	Manganese, Total, ICAP/MS	50	48.3	UGL	96.6	(70-130)	
RPD_LCS	Manganese, Total, ICAP/MS	102.000	102.000	UGL	0.0	(0-20)	

QC Ref #396672 Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Nickel, Total, ICAP/MS	50	52.6	UGL	105.2	(85-115)	
LCS2	Nickel, Total, ICAP/MS	50	53.0	UGL	106.0	(85-115)	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	5.03	UGL	100.6	(50-150)	
MS	Nickel, Total, ICAP/MS	50	47.4	UGL	94.8	(70-130)	
MS2	Nickel, Total, ICAP/MS	50	46.4	UGL	92.8	(70-130)	
MSD	Nickel, Total, ICAP/MS	50	46.3	UGL	92.6	(70-130)	
MSD2	Nickel, Total, ICAP/MS	50	48.2	UGL	96.4	(70-130)	
RPD_LCS	Nickel, Total, ICAP/MS	105.200	106.000	UGL	0.8	(0-20)	
RPD_MS	Nickel, Total, ICAP/MS	94.800	92.600	UGL	2.3	(0-20)	

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 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)

QC Ref #396680 Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Copper, Total, ICAP/MS	100	107	UGL	107.0	(85-115)	
LCS2	Copper, Total, ICAP/MS	100	107	UGL	107.0	(85-115)	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	2.09	UGL	104.5	(50-150)	
MS	Copper, Total, ICAP/MS	100	95.2	UGL	95.2	(70-130)	
MS2	Copper, Total, ICAP/MS	100	93.1	UGL	93.1	(70-130)	
<u>MSD</u>	<u>Copper, Total, ICAP/MS</u>	<u>100</u>	<u>92.7</u>	<u>UGL</u>	<u>92.7</u>	<u>(70-130)</u>	
MSD2	Copper, Total, ICAP/MS	100	96.2	UGL	96.2	(70-130)	
RPD_LCS	Copper, Total, ICAP/MS	107.000	107.000	UGL	0.0	(0-20)	
RPD_MS	Copper, Total, ICAP/MS	95.200	92.700	UGL	2.7	(0-20)	

QC Ref #396694 Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Arsenic, Total, ICAP/MS	20	20.8	UGL	104.0	(85-115)	
LCS2	Arsenic, Total, ICAP/MS	20	20.9	UGL	104.5	(85-115)	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	1.05	UGL	105.0	(50-150)	
MS	Arsenic, Total, ICAP/MS	20	20.6	UGL	103.0	(70-130)	
MS2	Arsenic, Total, ICAP/MS	20	20.4	UGL	102.0	(70-130)	
MSD	Arsenic, Total, ICAP/MS	20	20.3	UGL	101.5	(70-130)	
MSD2	Arsenic, Total, ICAP/MS	20	21.2	UGL	106.0	(70-130)	
RPD_LCS	Arsenic, Total, ICAP/MS	104.000	104.500	UGL	0.5	(0-20)	
RPD_MS	Arsenic, Total, ICAP/MS	101.000	101.500	UGL	1.5	(0-20)	

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Tronox LLC - Henderson
 (continued)

QC Ref #396700 Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Selenium, Total, ICAP/MS	20	20.8	UGL	104.0	(85-115)	
LCS2	Selenium, Total, ICAP/MS	20	20.9	UGL	104.5	(85-115)	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	4.86	UGL	97.2	(50-150)	
MS	Selenium, Total, ICAP/MS	20	21.8	UGL	109.0	(70-130)	
MS2	Selenium, Total, ICAP/MS	20	21.6	UGL	108.0	(70-130)	
<u>MSD</u>	<u>Selenium, Total, ICAP/MS</u>	<u>20</u>	<u>21.8</u>	<u>UGL</u>	<u>109.0</u>	<u>(70-130)</u>	
MSD2	Selenium, Total, ICAP/MS	20	21.8	UGL	109.0	(70-130)	
RPD_LCS	Selenium, Total, ICAP/MS	104.000	104.500	UGL	0.5	(0-20)	
RPD_MS	Selenium, Total, ICAP/MS	109.000	109.000	UGL	0.0	(0-20)	

QC Ref #396712 Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Aluminum, Total, ICAP/MS	200	207	UGL	103.5	(85-115)	
LCS2	Aluminum, Total, ICAP/MS	200	207	UGL	103.5	(85-115)	
MBLK	Aluminum, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Aluminum, Total, ICAP/MS	25.000	20.4	UGL	81.6	(50-150)	
MS	Aluminum, Total, ICAP/MS	200	203	UGL	101.5	(70-130)	
MS2	Aluminum, Total, ICAP/MS	200	198	UGL	99.0	(70-130)	
MSD	Aluminum, Total, ICAP/MS	200	201	UGL	100.5	(70-130)	
MSD2	Aluminum, Total, ICAP/MS	200	206	UGL	103.0	(70-130)	
RPD_LCS	Aluminum, Total, ICAP/MS	103.500	103.500	UGL	0.0	(0-20)	
RPD_MS	Aluminum, Total, ICAP/MS	101.500	100.500	UGL	1.0	(0-20)	

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Tronox LLC - Henderson
(continued)

QC Ref #396714 Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Silver, Total, ICAP/MS	50	51.9	UGL	103.8	(85-115)	
LCS2	Silver, Total, ICAP/MS	50	51.3	UGL	102.6	(85-115)	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.565	UGL	113.0	(50-150)	
MS	Silver, Total, ICAP/MS	50	40.5	UGL	81.0	(70-130)	
MS2	Silver, Total, ICAP/MS	50	40.4	UGL	80.8	(70-130)	
MSD	Silver, Total, ICAP/MS	50	39.7	UGL	79.4	(70-130)	
MSD2	Silver, Total, ICAP/MS	50	41.8	UGL	83.6	(70-130)	
RPD_LCS	Silver, Total, ICAP/MS	103.800	102.600	UGL	1.2	(0-20)	
RPD_MS	Silver, Total, ICAP/MS	81.000	79.400	UGL	2.0	(0-20)	

QC Ref #396917 Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Cadmium, Total, ICAP/MS	20	21.2	UGL	106.0	(85-115)	
LCS2	Cadmium, Total, ICAP/MS	20	20.8	UGL	104.0	(85-115)	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.512	UGL	102.4	(50-150)	
MS	Cadmium, Total, ICAP/MS	20	19.4	UGL	97.0	(70-130)	
MS2	Cadmium, Total, ICAP/MS	20	18.4	UGL	92.0	(70-130)	
MSD	Cadmium, Total, ICAP/MS	20	18.8	UGL	94.0	(70-130)	
MSD2	Cadmium, Total, ICAP/MS	20	19.2	UGL	96.0	(70-130)	
RPD_LCS	Cadmium, Total, ICAP/MS	106.000	104.000	UGL	1.9	(0-20)	
RPD_MS	Cadmium, Total, ICAP/MS	97.000	94.000	UGL	3.1	(0-20)	

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Tronox LLC - Henderson
 (continued)

QC Ref #396922 Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Antimony, Total, ICAP/MS	50	51.4	UGL	102.8	(85-115)	
LCS2	Antimony, Total, ICAP/MS	50	50.7	UGL	101.4	(85-115)	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.01	UGL	101.0	(50-150)	
MS	Antimony, Total, ICAP/MS	50	49.8	UGL	99.6	(70-130)	
MS2	Antimony, Total, ICAP/MS	50	47.2	UGL	94.4	(70-130)	
<u>MSD</u>	<u>Antimony, Total, ICAP/MS</u>	<u>50</u>	<u>48.5</u>	<u>UGL</u>	<u>97.0</u>	<u>(70-130)</u>	
MSD2	Antimony, Total, ICAP/MS	50	49.3	UGL	98.6	(70-130)	
RPD_LCS	Antimony, Total, ICAP/MS	102.800	101.400	UGL	1.4	(0-20)	
RPD_MS	Antimony, Total, ICAP/MS	99.600	97.000	UGL	2.6	(0-20)	

QC Ref #396928 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Barium, Total, ICAP/MS	100	102	UGL	102.0	(85-115)	
LCS2	Barium, Total, ICAP/MS	100	99.9	UGL	99.9	(85-115)	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	2.04	UGL	102.0	(50-150)	
MS	Barium, Total, ICAP/MS	100	95.5	UGL	95.5	(70-130)	
MS2	Barium, Total, ICAP/MS	100	90.8	UGL	90.8	(70-130)	
MSD	Barium, Total, ICAP/MS	100	90.4	UGL	90.4	(70-130)	
MSD2	Barium, Total, ICAP/MS	100	95.2	UGL	95.2	(70-130)	
RPD_LCS	Barium, Total, ICAP/MS	102.000	99.900	UGL	2.1	(0-20)	
RPD_MS	Barium, Total, ICAP/MS	95.500	90.400	UGL	5.5	(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.



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Laboratory
QC Report
#219615

Tronox LLC - Henderson
(continued)

QC Ref #396935

Thallium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	10160200	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	10160582	UGL		(0-0)	
LCS1	Thallium, Total, ICAP/MS	20.0	21.4	UGL	107.0	(85-115)	
LCS2	Thallium, Total, ICAP/MS	20.0	21.5	UGL	107.5	(85-115)	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	1.03	UGL	103.0	(50-150)	
MS	Thallium, Total, ICAP/MS	20.0	19.5	UGL	97.5	(70-130)	
MS2	Thallium, Total, ICAP/MS	20.0	18.9	UGL	94.5	(70-130)	
<u>MSD</u>	<u>Thallium, Total, ICAP/MS</u>	<u>20.0</u>	<u>19.2</u>	<u>UGL</u>	<u>96.0</u>	<u>(70-130)</u>	
MSD2	Thallium, Total, ICAP/MS	20.0	19.5	UGL	97.5	(70-130)	
RPD_LCS	Thallium, Total, ICAP/MS	107.000	107.500	UGL	0.5	(0-20)	
RPD_MS	Thallium, Total, ICAP/MS	97.500	96.000	UGL	1.6	(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.