



MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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

DATE OF ISSUE
May 07 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 269425
Project: CLO4
PO#: Susan Crowle

This report shall not be reproduced except in full, without the written approval of the laboratory. 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

BUILDING A BETTER WORLD

May 8, 2009

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

Subject: Case Narrative report 269425

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on April 17, 2009 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:

None

Ion chromatography analyses do not show actual analysis time for samples with holding times of >72 hours. Instead they show the time of first injection on a batch or 00:00.

Sincerely,

Andrew Eaton, PhD
Project Manager



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

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

M Monthly
 Week 1

Period

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

SO# 47685 12936 RS

Sampler: Please Return this Paper with your samples

Created by GJY

Order Date

04/16/09

Date Needed by Client

Ship Sample Kits to

Veolia Water-Tronox LLC

Gate 1

8000 West Lake Mead Drive
 Henderson, NV 89015

Send Report to

Ironox LLC Henderson Plant

P.O. Box 55

Henderson, NV 89009

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#

GJY

SHIP LOCATION

of Samples Tests

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

UN#

Important Comments

#	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	Login use profile - #KERRMO
1	GEN MIN. METALS, B	4 2 500ml poly +1 125ml poly no pres& 1 250ml acid rinsed+1ml HNO3	UN 2031	(profile consists of: voapp, pb-ms, mg, mn-ms, clo4, ni-ms,ph, k, se-ms, wcn, ag-ms, na, so4, fl-ms aik tds, 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)

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



Ship Date: 16APR09
ActWgt: 10.0 LB
CAD: 2274147/NET9011
Account#: S*****

Delivery Address Bar Code



Ref # MSO #143650
Invoice #
PO #
Dept #

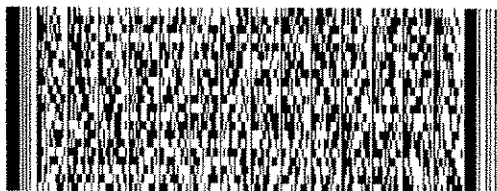
SHIP TO: (626) 568-6400 BILL SENDER

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

MONROVIA, CA 91016

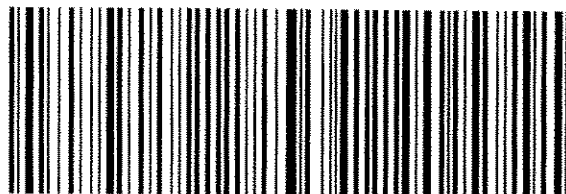
TRK# 7975 1500 2159
0201

**FRI - 17APR A2
PRIORITY OVERNIGHT**



QZ WHPA

**91016
CA-US
BUR**



After printing this label:

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

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.

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: 143650

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 4/16/09	FROM NO. STATION STATE Henderson, NV 89015
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization M. Skromyda	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC	
N/A/R		CUSTOMER PO OR REG'N NO.	CODE NO. WCN IS 1321.10400
SHIPPED FROM Henderson, NV		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. One Ice chest @ 10 lbs Not Regulated		1 COOLER
TRUCK SHIPMENTS 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	10	0	10
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 202-463-7616 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 Carron Williams	AGENT	PER

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#: 269425
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on 04/17/09. 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
2904170078	STABILIZED WATER		Water	16-apr-2009 10:00:00
		@VOAPP	AG-MS	AL-MS
		B	BA-MS	BALANCE
		CD-MS	CL	CLO4
		EC	F	FE
		MG	MN-MS	NA
		PB-MS	PH	SB-MS
		TL-MS	WCN	ZN
			ALK	ANION1
			BE-MS	AS-MS
			CO3	CA
			HCO3	CR-MS
			NI-MS	CATION1
			NO3	CU-MS
			SE-MS	HG
			SO4	K
				OH
				TDS

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 at 25 C
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#: 269425
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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Monrovia, California 91016-3829
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1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#269425

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

Samples Received
17-apr-2009 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2904170078	STABILIZED WATER				
04/22/09		Chloroform (Trichloromethane)	3.6		ug/l	0.5
04/22/09		Dibromochloromethane	1.1		ug/l	0.5
04/22/09		Dichlorobromomethane	2.2		ug/l	0.5
04/21/09		Alkalinity in CaCO3 units	115		mg/l	2.0
04/22/09		Anion Sum - Calculated	9.8		meq/l	0.0010
04/30/09		Arsenic, Total, ICAP/MS	2.0	10	ug/l	1.0
04/30/09		Barium, Total, ICAP/MS	90	2000	ug/l	2.0
04/24/09		Bicarb.Alkalinity as HCO3,calc	138.		mg/l	2.0
04/21/09		Boron, Total, ICAP	0.14		mg/l	0.050
04/21/09		Calcium, Total, ICAP	56		mg/l	1.0
04/24/09		Carbonate as CO3, Calculated	5.7		mg/l	2.0
04/24/09		Cation Sum - Calculated	9.9		meq/l	0.0010
04/17/09		Chloride	87	250	mg/l	5.0
04/30/09		Copper, Total, ICAP/MS	37	1300	ug/l	2.0
04/23/09		Fluoride	0.29	4	mg/l	0.050
04/21/09		Magnesium, Total, ICAP	36		mg/l	0.10
04/17/09		Nitrate as Nitrogen by IC	0.58	10	mg/l	0.50
04/17/09		PH (H3=past HT, not compliant)	8.8	6.5-8.5	Units	0.010
04/21/09		Potassium, Total, ICAP	4.8		mg/l	1.0
04/21/09		Sodium, Total, ICAP	92		mg/l	1.0
04/21/09		Specific Conductance at 25 C	962		umho/cm	2.0
04/17/09		Sulfate	240	250	mg/l	2.5
04/22/09		Total Dissolved Solid (TDS)	624	500	mg/l	10
04/21/09		Zinc, Total, ICAP	0.050		mg/l	0.020

SUMMARY OF POSITIVE DATA ONLY.



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 Monrovia, California 91016-3629
 Tel: 626 386 1100
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 1 800 566 LABS (1 800 566 5227)

Laboratory
 Data Report
 #269425

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

Samples Received
 04/17/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
STABILIZED WATER (2904170078)				Sampled on 04/16/09 10:00				
	04/30/09 21:22	483117	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	04/30/09 21:22	483124	(ML/EPA 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	20	1
	04/21/09 00:00	481671	(SM 2320B)	Alkalinity in CaCO3 units	115	mg/l	2.0	1
	04/22/09 13:33		(ML/SM1030E)	Anion Sum - Calculated	9.8	meq/l	0.0010	1
	04/30/09 21:22	483114	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	2.0	ug/l	1.0	1
	04/21/09 22:19	481789	(ML/EPA 200.7)	Boron, Total, ICAP	0.14	mg/l	0.050	1
	04/30/09 21:22	483120	(ML/EPA 200.8)	Barium, Total, ICAP/MS	90	ug/l	2.0	1
	04/30/09 21:22	483113	(ML/EPA 200.8)	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	04/21/09 22:19	481755	(ML/EPA 200.7)	Calcium, Total, ICAP	56	mg/l	1.0	1
	04/24/09 17:42		(SM 1030E)	Cation Sum - Calculated	9.9	meq/l	0.0010	1
	04/30/09 21:22	483118	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	04/17/09 12:08	481329	(ML/EPA 300.0)	Chloride	87	mg/l	5.0	5
	05/03/09 14:26	483219	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
	04/24/09 16:51		(SM 2330B)	Carbonate as CO3, Calculated	5.7	mg/l	2.0	1
	04/30/09 21:22	483126	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	1.0	1
	04/30/09 21:22	483130	(ML/EPA 200.8)	Copper, Total, ICAP/MS	37	ug/l	2.0	1
	04/21/09 12:50	481556	(SM 2510B)	Specific Conductance at 25 C	962	umho/cm	2.0	1
	04/23/09 10:00	481860	(SM 4500F-C)	Fluoride	0.29	mg/l	0.050	1
	04/21/09 22:19	481766	(ML/EPA 200.7)	Iron, Total, ICAP	ND	mg/l	0.020	1
	04/24/09 16:39		(SM 2330B)	Bicarb.Alkalinity as HCO3,calc	138.	mg/l	2.0	1
	04/27/09 20:09	482483	(EPA 245.1)	Mercury	ND	ug/l	0.20	1
	04/21/09 22:19	481771	(ML/EPA 200.7)	Potassium, Total, ICAP	4.8	mg/l	1.0	1
	04/21/09 22:19	481777	(ML/EPA 200.7)	Magnesium, Total, ICAP	36	mg/l	0.10	1
	04/30/09 21:22	483127	(ML/EPA 200.8)	Manganese, Total, ICAP/MS	ND	ug/l	2.0	1
	04/21/09 22:19	481788	(ML/EPA 200.7)	Sodium, Total, ICAP	92	mg/l	1.0	1
	04/30/09 21:22	483129	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	04/17/09 12:08	481341	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	0.58	mg/l	0.50	5
	04/21/09 18:03		(SM 2330B)	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	04/30/09 21:22	483122	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	04/17/09 00:00	481305	(SM 4500-HB)	PH (H3=past HT, not compliant)	8.8	Units	0.010	1
	04/30/09 21:22	483119	(ML/EPA 200.8)	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	04/30/09 21:22	483115	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1



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Data Report
#269425

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	04/17/09 12:08	481330	(ML/EPA 300.0)	Sulfate	240	mg/l	2.5	5
04/22/09	04/22/09 19:45	482551	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	624	mg/l	10	1
	04/30/09 21:22	483121	(ML/EPA 200.8)	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
04/29/09	04/29/09 00:00	482669	(SM 4500CN-I)	Weak Acid Dissociable Cyanide	ND	mg/l	0.0050	1
	04/21/09 22:19	483343	(EPA/ML 200.7)	Zinc, Total, ICAP	0.050	mg/l	0.020	1

Volatile Organics HSL

04/22/09 16:08	482291	(EPA 624)	1,1,2-Trichloroethane (1,1,2-T)	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	1,1-Dichloroethane	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	1,2-Dichloroethane	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	1,2-Dichloropropane	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	2-Butanone (MEK)	ND	ug/l	10	1
04/22/09 16:08	482291	(EPA 624)	2-Hexanone	ND	ug/l	10	1
04/22/09 16:08	482291	(EPA 624)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
04/22/09 16:08	482291	(EPA 624)	Acetone	ND	ug/l	10	1
04/22/09 16:08	482291	(EPA 624)	Acrolein (Screen)	ND	ug/l	50	1
04/22/09 16:08	482291	(EPA 624)	Acrylonitrile (Screen)	ND	ug/l	50	1
04/22/09 16:08	482291	(EPA 624)	Benzene	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	cis-1,2-Dichloroethene	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Chlorobenzene	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	cis-1,3-Dichloropropene	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Bromoform	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Chloroform (Trichloromethane)	3.6	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Chloroethane	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Carbon disulfide	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Carbon Tetrachloride	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Dibromochloromethane	1.1	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Dichlorobromomethane	2.2	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Ethyl benzene	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Methyl Bromide	ND	ug/l	0.5	1
04/22/09 16:08	482291	(EPA 624)	Methyl Chloride	ND	ug/l	0.5	1



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Laboratory
Data Report
#269425

Tronox LLC - Henderson (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
04/22/09	16:08	482291	(EPA 624	) Methylene Chloride	ND	ug/l	3.0	1
04/22/09	16:08	482291	(EPA 624	) m,p-Xylenes	ND	ug/l	1.0	1
04/22/09	16:08	482291	(EPA 624	) o-Xylene	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) Tetrachloroethylene (PCE)	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) Styrene	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) trans-1,2-Dichloroethene	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) 1,1,1-Trichloroethane	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) Trichloroethylene (TCE)	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) Trichlorofluoromethane	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) trans-1,3-Dichloropropene	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) Tetrahydrofuran	ND	ug/l	10	1
04/22/09	16:08	482291	(EPA 624	) Toluene	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) Vinyl Chloride (VC)	ND	ug/l	0.5	1
04/22/09	16:08	482291	(EPA 624	) Vinyl Acetate	ND	ug/l	10	1
			(EPA 624	) 1,2-Dichloroethane-d4 (70-130)	106	% Rec		
			(EPA 624) 4-Bromofluorobenzene (70-130)	96	% Rec		
			(EPA 624) Toluene-d8 (70-130)	96	% Rec		



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QC Summary
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Tronox LLC - Henderson

QC Ref #481305 - PH (H3=past HT, not compliant) Analysis Date: 04/17/2009

2904170078 STABILIZED WATER Analyzed by: nem

QC Ref #481329 - Chloride Analysis Date: 04/17/2009

2904170078 STABILIZED WATER Analyzed by: vxt

QC Ref #481330 - Sulfate Analysis Date: 04/17/2009

2904170078 STABILIZED WATER Analyzed by: vxt

QC Ref #481341 - Nitrate as Nitrogen by IC Analysis Date: 04/17/2009

2904170078 STABILIZED WATER Analyzed by: vxt

QC Ref #481556 - Specific Conductance at 25 C Analysis Date: 04/21/2009

2904170078 STABILIZED WATER Analyzed by: sar

QC Ref #481671 - Alkalinity in CaCO3 units Analysis Date: 04/21/2009

2904170078 STABILIZED WATER Analyzed by: anh

QC Ref #481755 - Calcium, Total, ICAP Analysis Date: 04/21/2009

2904170078 STABILIZED WATER Analyzed by: csk

QC Ref #481766 - Iron, Total, ICAP Analysis Date: 04/21/2009

2904170078 STABILIZED WATER Analyzed by: csk



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Tronox LLC - Henderson
(continued)

QC Ref #481771 - Potassium, Total, ICAP	Analysis Date: 04/21/2009
2904170078 STABILIZED WATER	Analyzed by: csk
QC Ref #481777 - Magnesium, Total, ICAP	Analysis Date: 04/21/2009
2904170078 STABILIZED WATER	Analyzed by: csk
QC Ref #481788 - Sodium, Total, ICAP	Analysis Date: 04/21/2009
2904170078 STABILIZED WATER	Analyzed by: csk
QC Ref #481789 - Boron, Total, ICAP	Analysis Date: 04/21/2009
2904170078 STABILIZED WATER	Analyzed by: csk
QC Ref #481860 - Fluoride	Analysis Date: 04/23/2009
2904170078 STABILIZED WATER	Analyzed by: yvette
QC Ref #482291 - Volatile Organics HSL	Analysis Date: 04/22/2009
2904170078 STABILIZED WATER	Analyzed by: mcb
QC Ref #482483 - Mercury	Analysis Date: 04/27/2009
2904170078 STABILIZED WATER	Analyzed by: azs
QC Ref #482551 - Total Dissolved Solid (TDS)	Analysis Date: 04/22/2009
2904170078 STABILIZED WATER	Analyzed by: jrf



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Tronox LLC - Henderson
(continued)

QC Ref #482669	- Weak Acid Dissociable Cyanide	Analysis Date: 04/29/2009
2904170078	STABILIZED WATER	Analyzed by: lupe
QC Ref #483113	- Beryllium, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078	STABILIZED WATER	Analyzed by: dyh
QC Ref #483114	- Arsenic, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078	STABILIZED WATER	Analyzed by: dyh
QC Ref #483115	- Selenium, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078	STABILIZED WATER	Analyzed by: dyh
QC Ref #483117	- Silver, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078	STABILIZED WATER	Analyzed by: dyh
QC Ref #483118	- Cadmium, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078	STABILIZED WATER	Analyzed by: dyh
QC Ref #483119	- Antimony, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078	STABILIZED WATER	Analyzed by: dyh
QC Ref #483120	- Barium, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078	STABILIZED WATER	Analyzed by: dyh



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Tronox LLC - Henderson
(continued)

QC Ref #483121 - Thallium, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078 STABILIZED WATER	Analyzed by: dyh
QC Ref #483122 - Lead, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078 STABILIZED WATER	Analyzed by: dyh
QC Ref #483124 - Aluminum, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078 STABILIZED WATER	Analyzed by: dyh
QC Ref #483126 - Chromium, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078 STABILIZED WATER	Analyzed by: dyh
QC Ref #483127 - Manganese, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078 STABILIZED WATER	Analyzed by: dyh
QC Ref #483129 - Nickel, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078 STABILIZED WATER	Analyzed by: dyh
QC Ref #483130 - Copper, Total, ICAP/MS	Analysis Date: 04/30/2009
2904170078 STABILIZED WATER	Analyzed by: dyh
QC Ref #483219 - Perchlorate	Analysis Date: 05/03/2009
2904170078 STABILIZED WATER	Analyzed by: ser



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Tronox LLC - Henderson
(continued)

QC Ref #483343 - Zinc, Total, ICAP

Analysis Date: 04/21/2009

2904170078

STABILIZED WATER

Analyzed by: csk



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Tronox LLC - Henderson

QC Ref #481305 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	200904160246	UNIT		(0-0)	
DUP	PH (H3=past HT, not compliant)	7.75	7.75	UNIT		(0-20)	0.0

QC Ref #481329 Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04160234	MGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04160246	MGL		(0-0)	
LCS1	Chloride	25	24.7	MGL	98.8	(90-110)	
LCS2	Chloride	25	25.4	MGL	101.6	(90-110)	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.425	MGL	85.0	(50-150)	
MS	Chloride	12.5	11.4	MGL	91.2	(74-138)	
MSD	Chloride	12.5	11.1	MGL	88.8	(74-138)	
RPD_LCS	Chloride	98.800	101.600	MGL	2.8	(0-20)	
RPD_MS	Chloride	91.200	88.800	MGL	2.7	(0-20)	

QC Ref #481330 Sulfate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04160234	MGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04160246	MGL		(0-0)	
LCS1	Sulfate	50	48.8	MGL	97.6	(90-110)	
LCS2	Sulfate	50	50.2	MGL	100.4	(90-110)	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	0.25	0.277	MGL	110.8	(50-150)	
MS	Sulfate	25	25.4	MGL	101.6	(84-130)	
MSD	Sulfate	25	25.3	MGL	101.2	(84-130)	
RPD_LCS	Sulfate	97.600	100.400	MGL	2.8	(0-20)	
RPD_MS	Sulfate	101.600	101.200	MGL	0.4	(0-20)	

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Tronox LLC - Henderson
(continued)

QC Ref #481341 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04160234	MGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04160246	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.41	MGL	96.4	(90-110)	
LCS2	Nitrate as Nitrogen by IC	2.5	2.48	MGL	99.2	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0493	MGL	98.6	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.25	MGL	100.0	(87-121)	
MSD	Nitrate as Nitrogen by IC	1.25	1.24	MGL	99.2	(87-121)	
RPD_LCS	Nitrate as Nitrogen by IC	96.400	99.200	MGL	2.9	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	100.000	99.200	MGL	0.8	(0-20)	

QC Ref #481556 Specific Conductance at 25 C

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance at 25 C	701	698	UMHO		(0-20)	0.4
DUP2	Specific Conductance at 25 C	1250	1260	UMHO		(0-20)	0.8
LCS1	Specific Conductance at 25 C	1000	981	UMHO	98.1	(90-110)	
LCS2	Specific Conductance at 25 C	1000	981	UMHO	98.1	(90-110)	
MBLK	Specific Conductance at 25 C	ND	<2.0	UMHO			
MRL_CHK	Specific Conductance at 25 C	2.00	1.65	UMHO	82.5	(50-150)	

QC Ref #481671 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	04150421	MGL		(0-0)	
LCS1	Alkalinity in CaCO3 units	100	98.0	MGL	98.0	(90-110)	
LCS2	Alkalinity in CaCO3 units	100	110	MGL	<u>110.0</u>	(90-110)	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	2.47	MGL	123.5	(50-150)	

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Tronox LLC - Henderson (continued)

MS	Analyte	100	97.0	MGL	97.0	(80-120)
MS2	Alkalinity in CaCO3 units	100	90.0	MGL	90.0	(80-120)
MSD	Alkalinity in CaCO3 units	100	102	MGL	102.0	(80-120)
MSD2	Alkalinity in CaCO3 units	100	90.0	MGL	90.0	(80-120)
RPD_LCS	Alkalinity in CaCO3 units	98.000	110.000	MGL	<u>11.5</u>	(0-10)
RPD_MS	Alkalinity in CaCO3 units	97.000	102.000	MGL	5.0	(0-20)

QC Ref #481755 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	51	MGL	102.0	(85-115)	
LCS2	Calcium, Total, ICAP	50	50.7	MGL	101.4	(85-115)	
MBLK	Calcium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Calcium, Total, ICAP	1.000	1.01	MGL	101.0	(50-150)	
MS	Calcium, Total, ICAP	50	50	MGL	100.0	(70-130)	
MS2	Calcium, Total, ICAP	50	47.9	MGL	95.8	(70-130)	
MSD	Calcium, Total, ICAP	50	50.2	MGL	100.4	(70-130)	
MSD2	Calcium, Total, ICAP	50	ND	MGL		(70-130)	
RPD_LCS	Calcium, Total, ICAP	102.000	101.400	MGL	0.6	(0-20)	
RPD_MS	Calcium, Total, ICAP	100.000	100.400	MGL	0.4	(0-20)	

QC Ref #481766 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	4.99	MGL	99.8	(85-115)	
LCS2	Iron, Total, ICAP	5.0	4.96	MGL	99.2	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0238	MGL	119.0	(50-150)	
MS	Iron, Total, ICAP	5.0	4.9	MGL	98.0	(70-130)	
MS2	Iron, Total, ICAP	5.0	5	MGL	100.0	(70-130)	
MSD	Iron, Total, ICAP	5.0	4.87	MGL	97.4	(70-130)	
MSD2	Iron, Total, ICAP	5.0	ND	MGL		(70-130)	
RPD_LCS	Iron, Total, ICAP	99.800	99.200	MGL	0.6	(0-20)	
RPD_MS	Iron, Total, ICAP	98.000	97.400	MGL	0.6	(0-20)	

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Tronox LLC - Henderson
(continued)

QC Ref #481771 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	18.7	MGL	93.5	(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	0.97	MGL	97.0	(50-150)	
MS	Potassium, Total, ICAP	20	20.4	MGL	102.0	(70-130)	
MS2	Potassium, Total, ICAP	20	19.6	MGL	98.0	(70-130)	
MSD	Potassium, Total, ICAP	20	20.3	MGL	101.5	(70-130)	
MSD2	Potassium, Total, ICAP	20	ND	MGL		(70-130)	
RPD_LCS	Potassium, Total, ICAP	93.500	93.500	MGL	0.0	(0-20)	
RPD_MS	Potassium, Total, ICAP	102.000	101.500	MGL	0.5	(0-20)	

QC Ref #481777 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	20.1	MGL	100.5	(85-115)	
LCS2	Magnesium, Total, ICAP	20	20.1	MGL	100.5	(85-115)	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.10	MGL	100.0	(50-150)	
MS	Magnesium, Total, ICAP	20	20.4	MGL	102.0	(70-130)	
MS2	Magnesium, Total, ICAP	20	19.3	MGL	96.5	(70-130)	
MSD	Magnesium, Total, ICAP	20	20.2	MGL	101.0	(70-130)	
MSD2	Magnesium, Total, ICAP	20	ND	MGL		(70-130)	
RPD_LCS	Magnesium, Total, ICAP	100.500	100.500	MGL	0.0	(0-20)	
RPD_MS	Magnesium, Total, ICAP	102.000	101.000	MGL	1.0	(0-20)	

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Tronox LLC - Henderson
(continued)

QC Ref #481788 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	48.9	MGL	97.8	(85-115)	
LCS2	Sodium, Total, ICAP	50	48.6	MGL	97.2	(85-115)	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	0.99	MGL	99.0	(50-150)	
MS	Sodium, Total, ICAP	50	51.1	MGL	102.2	(70-130)	
MS2	Sodium, Total, ICAP	50	45.9	MGL	91.8	(70-130)	
MSD	Sodium, Total, ICAP	50	50.7	MGL	101.4	(70-130)	
MSD2	Sodium, Total, ICAP	50	ND	MGL		(70-130)	
RPD_LCS	Sodium, Total, ICAP	97.800	97.200	MGL	0.6	(0-20)	
RPD_MS	Sodium, Total, ICAP	102.200	101.400	MGL	0.8	(0-20)	

QC Ref #481789 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.483	MGL	96.6	(85-115)	
LCS2	Boron, Total, ICAP	0.5	0.483	MGL	96.6	(85-115)	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.048	MGL	96.0	(50-150)	
MS	Boron, Total, ICAP	0.5	0.507	MGL	101.4	(70-130)	
MS2	Boron, Total, ICAP	0.5	0.502	MGL	100.4	(70-130)	
MSD	Boron, Total, ICAP	0.5	0.493	MGL	98.6	(70-130)	
MSD2	Boron, Total, ICAP	0.5	ND	MGL		(70-130)	
RPD_LCS	Boron, Total, ICAP	96.600	96.600	MGL	0.0	(0-20)	
RPD_MS	Boron, Total, ICAP	101.400	98.600	MGL	2.8	(0-20)	

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QC Ref #481860 Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	04160123	MGL		(0-0)	
CCC3	Fluoride	10.0	10.0	MGL	100.0	(81-116)	
CCCH	Fluoride	10.0	10.1	MGL	101.0	(81-116)	
CCCL	Fluoride	0.5	0.496	MGL	99.2	(81-116)	
CCCM	Fluoride	0.5	0.499	MGL	99.8	(81-116)	
CCCS	Fluoride	0.05	0.049	MGL	98.0	(50-150)	
LCS1	Fluoride	1.00	0.977	MGL	97.7	(81-116)	
LCS2	Fluoride	1.00	0.998	MGL	99.8	(81-116)	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.049	MGL	98.0	(50-150)	
MS	Fluoride	1.00	0.929	MGL	92.9	(73-124)	
MS2	Fluoride	1.00	0.947	MGL	94.7	(73-124)	
MSD	Fluoride	1.00	0.939	MGL	93.9	(73-124)	
RPD_LCS	Fluoride	97.700	99.800	MGL	2.1	(0-20)	
RPD_MS	Fluoride	92.900	93.900	MGL	1.1	(0-20)	

QC Ref #482291 Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,2-Trichloroethane (1,1,2-T)	20	19.5	UGL	97.5	(79-116)	
LCS2	1,1,2-Trichloroethane (1,1,2-T)	20	19.6	UGL	98.0	(79-116)	
MBLK	1,1,2-Trichloroethane (1,1,2-T)	ND	<0.5	UGL			
MS	1,1,2-Trichloroethane (1,1,2-T)	10	10.4	UGL	104.0	(76-129)	
RPD_LCS	1,1,2-Trichloroethane (1,1,2-T)	97.500	98.000	UGL	0.5	(0-20)	
LCS1	1,1-Dichloroethylene (1,1DCE)	20	21.4	UGL	107.0	(77-129)	
LCS2	1,1-Dichloroethylene (1,1DCE)	20	22.0	UGL	110.0	(77-129)	
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	UGL			
MS	1,1-Dichloroethylene (1,1DCE)	10	11.7	UGL	117.0	(70-146)	
RPD_LCS	1,1-Dichloroethylene (1,1DCE)	107.000	110.000	UGL	2.8	(0-20)	
LCS1	1,1-Dichloroethane	20	20.5	UGL	102.5	(79-118)	

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Tronox LLC - Henderson (continued)

LCS2	1,1-Dichloroethane	20	21.3	UGL	106.5	(79-118)
MBLK	1,1-Dichloroethane	ND	<0.5	UGL		
MS	1,1-Dichloroethane	10	11.1	UGL	111.0	(75-134)
RPD_LCS	1,1-Dichloroethane	102.500	106.500	UGL	3.8	(0-20)
LCS1	o-Dichlorobenzene (1,2-DCB)	20	19.1	UGL	95.5	(79-118)
LCS2	o-Dichlorobenzene (1,2-DCB)	20	19.6	UGL	98.0	(79-118)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL		
MS	o-Dichlorobenzene (1,2-DCB)	10	9.86	UGL	98.6	(80-125)
RPD_LCS	o-Dichlorobenzene (1,2-DCB)	95.500	98.000	UGL	2.6	(0-20)
LCS1	1,2-Dichloroethane	20	20.3	UGL	101.5	(81-122)
LCS2	1,2-Dichloroethane	20	20.5	UGL	102.5	(81-122)
MBLK	1,2-Dichloroethane	ND	<0.5	UGL		
MS	1,2-Dichloroethane	10	10.6	UGL	106.0	(75-135)
RPD_LCS	1,2-Dichloroethane	101.500	102.500	UGL	1.0	(0-20)
LCS1	1,2-Dichloropropane	20	20.3	UGL	101.5	(77-118)
LCS2	1,2-Dichloropropane	20	20.8	UGL	104.0	(77-118)
MBLK	1,2-Dichloropropane	ND	<0.5	UGL		
MS	1,2-Dichloropropane	10	10.6	UGL	106.0	(73-132)
RPD_LCS	1,2-Dichloropropane	101.500	104.000	UGL	2.4	(0-20)
LCS1	m-Dichlorobenzene (1,3-DCB)	20	18.9	UGL	94.5	(76-124)
LCS2	m-Dichlorobenzene (1,3-DCB)	20	18.7	UGL	93.5	(76-124)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND	<0.5	UGL		
MS	m-Dichlorobenzene (1,3-DCB)	10	9.52	UGL	95.2	(76-139)
RPD_LCS	m-Dichlorobenzene (1,3-DCB)	94.500	93.500	UGL	1.1	(0-20)
LCS1	p-Dichlorobenzene (1,4-DCB)	20	19.2	UGL	96.0	(74-130)
LCS2	p-Dichlorobenzene (1,4-DCB)	20	18.9	UGL	94.5	(74-130)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10	9.58	UGL	95.8	(71-145)
RPD_LCS	p-Dichlorobenzene (1,4-DCB)	96.000	94.500	UGL	1.6	(0-20)
LCS1	2-Butanone (MEK)	200	194	UGL	97.0	(65-122)
LCS2	2-Butanone (MEK)	200	191	UGL	95.5	(65-122)
MBLK	2-Butanone (MEK)	ND	<10	UGL		
MS	2-Butanone (MEK)	100	98.4	UGL	98.4	(59-129)
RPD_LCS	2-Butanone (MEK)	97.000	95.500	UGL	1.6	(0-20)
LCS1	2-Hexanone	200	200	UGL	100.0	(72-128)
LCS2	2-Hexanone	200	208	UGL	104.0	(72-128)

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Tronox LLC - Henderson
(continued)

MBLK	2-Hexanone	ND	<10	UGL		
MS	2-Hexanone	100	104	UGL	104.0	(71-134)
RPD_LCS	2-Hexanone	100.000	104.000	UGL	3.9	(0-20)
LCS1	4-Methyl-2-Pentanone (MIBK)	200	206	UGL	103.0	(76-130)
LCS2	4-Methyl-2-Pentanone (MIBK)	200	213	UGL	106.5	(76-130)
MBLK	4-Methyl-2-Pentanone (MIBK)	ND	<10	UGL		
MS	4-Methyl-2-Pentanone (MIBK)	100	109	UGL	109.0	(75-136)
RPD_LCS	4-Methyl-2-Pentanone (MIBK)	103.000	106.500	UGL	3.3	(0-20)
MS	Spiked sample	Lab # 29	04220231	NONE		(0-0)
LCS1	Acetone	200	202	UGL	101.0	(47-117)
LCS2	Acetone	200	199	UGL	99.5	(47-117)
MBLK	Acetone	ND	<10	UGL		
MS	Acetone	100	100	UGL	100.0	(37-119)
RPD_LCS	Acetone	101.000	99.500	UGL	1.5	(0-20)
LCS1	Benzene	20	20.5	UGL	102.5	(78-119)
LCS2	Benzene	20	20.7	UGL	103.5	(78-119)
MBLK	Benzene	ND	<0.5	UGL		
MS	Benzene	10	10.7	UGL	107.0	(76-133)
RPD_LCS	Benzene	102.500	103.500	UGL	1.0	(0-20)
LCS1	cis-1,2-Dichloroethene	20	19.7	UGL	98.5	(80-114)
LCS2	cis-1,2-Dichloroethene	20	19.8	UGL	99.0	(80-114)
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL		
MS	cis-1,2-Dichloroethene	10	10.6	UGL	106.0	(78-133)
RPD_LCS	cis-1,2-Dichloroethene	98.500	99.000	UGL	0.5	(0-20)
LCS1	Chlorobenzene	20	20.0	UGL	100.0	(80-119)
LCS2	Chlorobenzene	20	20.1	UGL	100.5	(80-119)
MBLK	Chlorobenzene	ND	<0.5	UGL		
MS	Chlorobenzene	10	10.4	UGL	104.0	(77-132)
RPD_LCS	Chlorobenzene	100.000	100.500	UGL	0.5	(0-20)
LCS1	cis-1,3-Dichloropropene	20	20.5	UGL	102.5	(68-123)
LCS2	cis-1,3-Dichloropropene	20	21.2	UGL	106.0	(68-123)
MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL		
MS	cis-1,3-Dichloropropene	10	9.80	UGL	98.0	(65-120)
RPD_LCS	cis-1,3-Dichloropropene	102.500	106.000	UGL	3.4	(0-20)
LCS1	Bromoform	20	17.2	UGL	86.0	(54-134)
LCS2	Bromoform	20	17.5	UGL	87.5	(54-134)

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Tronox LLC - Henderson (continued)

MBLK	Bromoform	ND	<0.5	UGL		
MS	Bromoform	10	7.78	UGL	77.8	(51-140)
RPD_LCS	Bromoform	86.000	87.500	UGL	1.7	(0-20)
LCS1	Chloroform (Trichloromethane)	20	19.9	UGL	99.5	(78-117)
LCS2	Chloroform (Trichloromethane)	20	20.1	UGL	100.5	(78-117)
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL		
MS	Chloroform (Trichloromethane)	10	10.7	UGL	107.0	(76-133)
RPD_LCS	Chloroform (Trichloromethane)	99.500	100.500	UGL	1.0	(0-20)
LCS1	Chloroethane	20	22.4	UGL	112.0	(70-133)
LCS2	Chloroethane	20	21.8	UGL	109.0	(70-133)
MBLK	Chloroethane	ND	<0.5	UGL		
MS	Chloroethane	10	11.4	UGL	114.0	(45-180)
RPD_LCS	Chloroethane	112.000	109.000	UGL	2.7	(0-20)
LCS1	Carbon disulfide	20	19.5	UGL	97.5	(63-131)
LCS2	Carbon disulfide	20	20.2	UGL	101.0	(63-131)
MBLK	Carbon disulfide	ND	<0.5	UGL		
MS	Carbon disulfide	10	8.12	UGL	81.2	(65-155)
RPD_LCS	Carbon disulfide	97.500	101.000	UGL	3.5	(0-20)
LCS1	Carbon Tetrachloride	20	22.2	UGL	111.0	(73-127)
LCS2	Carbon Tetrachloride	20	22.4	UGL	112.0	(73-127)
MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10	11.9	UGL	119.0	(71-151)
RPD_LCS	Carbon Tetrachloride	111.000	112.000	UGL	0.9	(0-20)
LCS1	Dibromochloromethane	20	19.4	UGL	97.0	(70-125)
LCS2	Dibromochloromethane	20	19.8	UGL	99.0	(70-125)
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10	9.30	UGL	93.0	(68-136)
RPD_LCS	Dibromochloromethane	97.000	99.000	UGL	2.0	(0-20)
LCS1	Dichlorobromomethane	20	19.4	UGL	97.0	(77-113)
LCS2	Dichlorobromomethane	20	19.6	UGL	98.0	(77-113)
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10	10.0	UGL	100.0	(77-130)
RPD_LCS	Dichlorobromomethane	97.000	98.000	UGL	1.0	(0-20)
LCS1	Ethyl benzene	20	21.3	UGL	106.5	(79-122)
LCS2	Ethyl benzene	20	21.6	UGL	108.0	(79-122)
MBLK	Ethyl benzene	ND	<0.5	UGL		

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Tronox LLC - Henderson (continued)

MS	Ethyl benzene	10	11.3	UGL	113.0	(68-146)
RPD_LCS	Ethyl benzene	106.500	108.000	UGL	1.4	(0-20)
LCS1	Dichlorodifluoromethane	20	24.5	UGL	122.5	(46-165)
LCS2	Dichlorodifluoromethane	20	25.4	UGL	127.0	(46-165)
MBLK	Dichlorodifluoromethane	ND	<0.5	UGL		
MS	Dichlorodifluoromethane	10	12.9	UGL	129.0	(30-169)
RPD_LCS	Dichlorodifluoromethane	122.500	127.000	UGL	3.6	(0-20)
LCS1	Methyl Bromide	20	21.2	UGL	106.0	(67-144)
LCS2	Methyl Bromide	20	20.8	UGL	104.0	(67-144)
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10	10.8	UGL	108.0	(55-147)
RPD_LCS	Methyl Bromide	106.000	104.000	UGL	1.9	(0-20)
LCS1	Methyl Chloride	20	22.8	UGL	114.0	(78-134)
LCS2	Methyl Chloride	20	22.8	UGL	114.0	(78-134)
MBLK	Methyl Chloride	ND	<0.5	UGL		
MS	Methyl Chloride	10	11.4	UGL	114.0	(58-143)
RPD_LCS	Methyl Chloride	114.000	114.000	UGL	0.0	(0-20)
LCS1	Methylene Chloride	20	20.6	UGL	103.0	(77-121)
LCS2	Methylene Chloride	20	20.8	UGL	104.0	(77-121)
MBLK	Methylene Chloride	ND	<3.0	UGL		
MS	Methylene Chloride	10	10.6	UGL	106.0	(75-132)
RPD_LCS	Methylene Chloride	103.000	104.000	UGL	1.0	(0-20)
LCS1	m,p-Xylenes	40	41.8	UGL	104.5	(82-123)
LCS2	m,p-Xylenes	40	42.2	UGL	105.5	(82-123)
MBLK	m,p-Xylenes	ND	<1.0	UGL		
MS	m,p-Xylenes	20	22.1	UGL	110.5	(79-142)
RPD_LCS	m,p-Xylenes	104.500	105.500	UGL	1.0	(0-20)
LCS1	o-Xylene	20	20.5	UGL	102.5	(79-120)
LCS2	o-Xylene	20	20.8	UGL	104.0	(79-120)
MBLK	o-Xylene	ND	<0.5	UGL		
MS	o-Xylene	10	11.0	UGL	110.0	(91-123)
RPD_LCS	o-Xylene	102.500	104.000	UGL	1.5	(0-20)
LCS1	1,1,2,2-Tetrachloroethane	20	18.8	UGL	94.0	(77-126)
LCS2	1,1,2,2-Tetrachloroethane	20	18.8	UGL	94.0	(77-126)
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10	9.38	UGL	93.8	(79-130)

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Tronox LLC - Henderson
(continued)

RPD_LCS	1,1,2,2-Tetrachloroethane	94.000	94.000	UGL	0.0	(0-20)
LCS1	Tetrachloroethylene (PCE)	20	19.8	UGL	99.0	(79-122)
LCS2	Tetrachloroethylene (PCE)	20	19.8	UGL	99.0	(79-122)
MBLK	Tetrachloroethylene (PCE)	ND	<0.5	UGL		
MS	Tetrachloroethylene (PCE)	10	10.7	UGL	107.0	(72-146)
RPD_LCS	Tetrachloroethylene (PCE)	99.000	99.000	UGL	0.0	(0-20)
LCS1	Styrene	20	18.7	UGL	93.5	(77-125)
LCS2	Styrene	20	19.0	UGL	95.0	(77-125)
MBLK	Styrene	ND	<0.5	UGL		
MS	Styrene	10	9.68	UGL	96.8	(66-142)
RPD_LCS	Styrene	93.500	95.000	UGL	1.6	(0-20)
LCS1	1,2-dichloroethane-d4	100	104	%R	104.0	(70-130)
LCS2	1,2-dichloroethane-d4	100	102	%R	102.0	(70-130)
MBLK	1,2-dichloroethane-d4	100	105	%R	105.0	
MS	1,2-dichloroethane-d4	100	104	%R	104.0	(70-130)
RPD_LCS	1,2-dichloroethane-d4	104.000	102.000	%R	1.9	(0-20)
LCS1	Toluene-d8	100	102	%R	102.0	(70-130)
LCS2	Toluene-d8	100	100	%R	100.0	(70-130)
MBLK	Toluene-d8	100	99	%R	99.0	
MS	Toluene-d8	100	102	%R	102.0	(70-130)
RPD_LCS	Toluene-d8	102.000	100.000	%R	2.0	(0-20)
LCS1	4-Bromofluorobenzene	100	97	%R	97.0	(70-130)
LCS2	4-Bromofluorobenzene	100	94	%R	94.0	(70-130)
MBLK	4-Bromofluorobenzene	100	97	%R	97.0	
MS	4-Bromofluorobenzene	100	97	%R	97.0	(70-130)
RPD_LCS	4-Bromofluorobenzene	97.000	94.000	%R	3.1	(0-20)
LCS1	trans-1,2-Dichloroethene	20	20.0	UGL	100.0	(82-122)
LCS2	trans-1,2-Dichloroethene	20	20.3	UGL	101.5	(82-122)
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		
MS	trans-1,2-Dichloroethene	10	10.6	UGL	106.0	(74-138)
RPD_LCS	trans-1,2-Dichloroethene	100.000	101.500	UGL	1.5	(0-20)
LCS1	1,1,1-Trichloroethane	20	21.7	UGL	108.5	(79-121)
LCS2	1,1,1-Trichloroethane	20	22.2	UGL	111.0	(79-121)
MBLK	1,1,1-Trichloroethane	ND	<0.5	UGL		
MS	1,1,1-Trichloroethane	10	12.0	UGL	120.0	(75-144)
RPD_LCS	1,1,1-Trichloroethane	108.500	111.000	UGL	2.3	(0-20)

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Tronox LLC - Henderson (continued)

LCS1	Trichloroethylene (TCE)	20	19.9	UGL	99.5	(78-119)
LCS2	Trichloroethylene (TCE)	20	19.9	UGL	99.5	(78-119)
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10	10.5	UGL	105.0	(71-139)
RPD_LCS	Trichloroethylene (TCE)	99.500	99.500	UGL	0.0	(0-20)
LCS1	Trichlorofluoromethane	20	25.0	UGL	125.0	(70-145)
LCS2	Trichlorofluoromethane	20	25.7	UGL	128.5	(70-145)
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		
MS	Trichlorofluoromethane	10	12.0	UGL	120.0	(63-161)
RPD_LCS	Trichlorofluoromethane	125.000	128.500	UGL	2.8	(0-20)
LCS1	trans-1,3-Dichloropropene	20	20.8	UGL	104.0	(64-126)
LCS2	trans-1,3-Dichloropropene	20	21.2	UGL	106.0	(64-126)
MBLK	trans-1,3-Dichloropropene	ND	<0.5	UGL		
MS	trans-1,3-Dichloropropene	10	9.66	UGL	96.6	(61-127)
RPD_LCS	trans-1,3-Dichloropropene	104.000	106.000	UGL	1.9	(0-20)
LCS1	Tetrahydrofuran	200	199	UGL	99.5	(67-130)
LCS2	Tetrahydrofuran	200	198	UGL	99.0	(67-130)
MBLK	Tetrahydrofuran	ND	<10	UGL		
MS	Tetrahydrofuran	100	103	UGL	103.0	(68-134)
RPD_LCS	Tetrahydrofuran	99.500	99.000	UGL	0.5	(0-20)
LCS1	Toluene	20	20.1	UGL	100.5	(80-118)
LCS2	Toluene	20	20.3	UGL	101.5	(80-118)
MBLK	Toluene	ND	<0.5	UGL		
MS	Toluene	10	10.6	UGL	106.0	(66-143)
RPD_LCS	Toluene	100.500	101.500	UGL	1.0	(0-20)
LCS1	Vinyl Chloride (VC)	20	23.4	UGL	117.0	(66-140)
LCS2	Vinyl Chloride (VC)	20	23.0	UGL	115.0	(66-140)
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL		
MS	Vinyl Chloride (VC)	10	11.8	UGL	118.0	(56-159)
RPD_LCS	Vinyl Chloride (VC)	117.000	115.000	UGL	1.7	(0-20)
LCS1	Vinyl Acetate	100	110	UGL	110.0	(72-136)
LCS2	Vinyl Acetate	100	117	UGL	117.0	(72-136)
MBLK	Vinyl Acetate	ND	<10	UGL		
MS	Vinyl Acetate	50	56.8	UGL	113.6	(55-146)
RPD_LCS	Vinyl Acetate	110.000	117.000	UGL	6.2	(0-20)

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Tronox LLC - Henderson
 (continued)

QC Ref #482483 Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	04150233	UGL		(0-0)	
LCS1	Mercury	1.50	1.54	UGL	102.7	(85-115)	
LCS2	Mercury	1.50	1.53	UGL	102.0	(85-115)	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.202	UGL	101.0	(50-150)	
MS	Mercury	1.50	1.60	UGL	106.7	(70-130)	
MSD	Mercury	1.50	1.62	UGL	108.0	(70-130)	
RPD_LCS	Mercury	102.667	102.000	UGL	0.7	(0-20)	
RPD_MS	Mercury	106.667	108.000	UGL	1.2	(0-20)	

QC Ref #482551 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04160119	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	760	754	MGL		(0-10)	0.8
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	710	MGL	101.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	101.714	101.429	MGL	0.3	(0-20)	

QC Ref #482669 Weak Acid Dissociable Cyanide

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	200904200104	MGL		(0-0)	
LCS1	Weak Acid Dissociable Cyanide	0.1	0.103	MGL	103.0	(90-110)	
LCS2	Weak Acid Dissociable Cyanide	0.1	0.104	MGL	104.0	(90-110)	
MBLK	Weak Acid Dissociable Cyanide	ND	<0.0050	MGL			
MS	Weak Acid Dissociable Cyanide	0.1	0.106	MGL	106.0	(85-115)	

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MSD Weak Acid Dissociable Cyanide 0.1 0.104 MGL 104.0 (85-115)

QC Ref #483113 Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Beryllium, Total, ICAP/MS	5.00	4.76	UGL	95.2	(85-115)	
LCS2	Beryllium, Total, ICAP/MS	5.00	4.83	UGL	96.6	(85-115)	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	0.846	UGL	84.6	(50-150)	
MS	Beryllium, Total, ICAP/MS	5.00	5.66	UGL	113.2	(70-130)	
MS2	Beryllium, Total, ICAP/MS	5.00	4.42	UGL	88.4	(70-130)	
MSD	Beryllium, Total, ICAP/MS	5.00	5.86	UGL	117.2	(70-130)	
MSD2	Beryllium, Total, ICAP/MS	5.00	4.43	UGL	88.6	(70-130)	
RPD_LCS	Beryllium, Total, ICAP/MS	95.200	96.600	UGL	1.5	(0-20)	
RPD_MS	Beryllium, Total, ICAP/MS	113.200	117.200	UGL	3.5	(0-20)	

QC Ref #483114 Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Arsenic, Total, ICAP/MS	20	19.9	UGL	99.5	(85-115)	
LCS2	Arsenic, Total, ICAP/MS	20	20.2	UGL	101.0	(85-115)	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	0.923	UGL	92.3	(50-150)	
MS	Arsenic, Total, ICAP/MS	20	18.4	UGL	92.0	(70-130)	
MS2	Arsenic, Total, ICAP/MS	20	18.4	UGL	92.0	(70-130)	
MSD	Arsenic, Total, ICAP/MS	20	18.9	UGL	94.5	(70-130)	
MSD2	Arsenic, Total, ICAP/MS	20	18.4	UGL	92.0	(70-130)	
RPD_LCS	Arsenic, Total, ICAP/MS	99.500	101.000	UGL	1.5	(0-20)	
RPD_MS	Arsenic, Total, ICAP/MS	92.000	94.500	UGL	2.7	(0-20)	

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QC Ref #483115 Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Selenium, Total, ICAP/MS	20	22.2	UGL	111.0	(85-115)	
LCS2	Selenium, Total, ICAP/MS	20	22.4	UGL	112.0	(85-115)	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	4.94	UGL	98.8	(50-150)	
MS	Selenium, Total, ICAP/MS	20	21.6	UGL	108.0	(70-130)	
MS2	Selenium, Total, ICAP/MS	20	21.6	UGL	108.0	(70-130)	
MSD	Selenium, Total, ICAP/MS	20	22.3	UGL	111.5	(70-130)	
MSD2	Selenium, Total, ICAP/MS	20	21.6	UGL	108.0	(70-130)	
RPD_LCS	Selenium, Total, ICAP/MS	111.000	112.000	UGL	0.9	(0-20)	
RPD_MS	Selenium, Total, ICAP/MS	108.000	111.500	UGL	3.2	(0-20)	

QC Ref #483117 Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Silver, Total, ICAP/MS	50	55.1	UGL	110.2	(85-115)	
LCS2	Silver, Total, ICAP/MS	50	55.4	UGL	110.8	(85-115)	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.463	UGL	92.6	(50-150)	
MS	Silver, Total, ICAP/MS	50	39.3	UGL	78.6	(70-130)	
MS2	Silver, Total, ICAP/MS	50	47.6	UGL	95.2	(70-130)	
MSD	Silver, Total, ICAP/MS	50	39.1	UGL	78.2	(70-130)	
MSD2	Silver, Total, ICAP/MS	50	47.6	UGL	95.2	(70-130)	
RPD_LCS	Silver, Total, ICAP/MS	110.200	110.800	UGL	0.5	(0-20)	
RPD_MS	Silver, Total, ICAP/MS	78.600	78.200	UGL	0.5	(0-20)	

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QC Ref #483118 Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Cadmium, Total, ICAP/MS	20	19.8	UGL	99.0	(85-115)	
LCS2	Cadmium, Total, ICAP/MS	20	20.0	UGL	100.0	(85-115)	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.453	UGL	90.6	(50-150)	
MS	Cadmium, Total, ICAP/MS	20	16.0	UGL	80.0	(70-130)	
MS2	Cadmium, Total, ICAP/MS	20	18.1	UGL	90.5	(70-130)	
MSD	Cadmium, Total, ICAP/MS	20	16.4	UGL	82.0	(70-130)	
MSD2	Cadmium, Total, ICAP/MS	20	18.1	UGL	90.5	(70-130)	
RPD_LCS	Cadmium, Total, ICAP/MS	99.000	100.000	UGL	1.0	(0-20)	
RPD_MS	Cadmium, Total, ICAP/MS	80.000	82.000	UGL	2.5	(0-20)	

QC Ref #483119 Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Antimony, Total, ICAP/MS	50	54.3	UGL	108.6	(85-115)	
LCS2	Antimony, Total, ICAP/MS	50	54.8	UGL	109.6	(85-115)	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	0.949	UGL	94.9	(50-150)	
MS	Antimony, Total, ICAP/MS	50	44.7	UGL	89.4	(70-130)	
MS2	Antimony, Total, ICAP/MS	50	47.4	UGL	94.8	(70-130)	
MSD	Antimony, Total, ICAP/MS	50	46.0	UGL	92.0	(70-130)	
MSD2	Antimony, Total, ICAP/MS	50	48.4	UGL	96.8	(70-130)	
RPD_LCS	Antimony, Total, ICAP/MS	108.600	109.600	UGL	0.9	(0-20)	
RPD_MS	Antimony, Total, ICAP/MS	89.400	92.000	UGL	2.9	(0-20)	

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Criteria for MS and DUF are advisory only, batch control is based on LCS. Criteria for duplicates
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Tronox LLC - Henderson
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QC Ref #483120 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Barium, Total, ICAP/MS	100	103	UGL	103.0	(85-115)	
LCS2	Barium, Total, ICAP/MS	100	106	UGL	106.0	(85-115)	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	1.82	UGL	91.0	(50-150)	
MS	Barium, Total, ICAP/MS	100	94.4	UGL	94.4	(70-130)	
MS2	Barium, Total, ICAP/MS	100	85.6	UGL	85.6	(70-130)	
MSD	Barium, Total, ICAP/MS	100	96.5	UGL	96.5	(70-130)	
MSD2	Barium, Total, ICAP/MS	100	86.3	UGL	86.3	(70-130)	
RPD_LCS	Barium, Total, ICAP/MS	103.000	106.000	UGL	2.9	(0-20)	
RPD_MS	Barium, Total, ICAP/MS	94.400	96.500	UGL	2.2	(0-20)	

QC Ref #483121 Thallium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Thallium, Total, ICAP/MS	20.0	22.0	UGL	110.0	(85-115)	
LCS2	Thallium, Total, ICAP/MS	20.0	22.3	UGL	111.5	(85-115)	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	0.948	UGL	94.8	(50-150)	
MS	Thallium, Total, ICAP/MS	20.0	17.3	UGL	86.5	(70-130)	
MS2	Thallium, Total, ICAP/MS	20.0	19.4	UGL	97.0	(70-130)	
MSD	Thallium, Total, ICAP/MS	20.0	17.5	UGL	87.5	(70-130)	
MSD2	Thallium, Total, ICAP/MS	20.0	19.5	UGL	97.5	(70-130)	
RPD_LCS	Thallium, Total, ICAP/MS	110.000	111.500	UGL	1.4	(0-20)	
RPD_MS	Thallium, Total, ICAP/MS	86.500	87.500	UGL	1.1	(0-20)	

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QC Ref #483122 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Lead, Total, ICAP/MS	20	20.3	UGL	101.5	(85-115)	
LCS2	Lead, Total, ICAP/MS	20	20.4	UGL	102.0	(85-115)	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.461	UGL	92.2	(50-150)	
MS	Lead, Total, ICAP/MS	20	16.2	UGL	81.0	(70-130)	
MS2	Lead, Total, ICAP/MS	20	17.7	UGL	88.5	(70-130)	
MSD	Lead, Total, ICAP/MS	20	16.5	UGL	82.5	(70-130)	
MSD2	Lead, Total, ICAP/MS	20	17.8	UGL	89.0	(70-130)	
RPD_LCS	Lead, Total, ICAP/MS	101.500	102.000	UGL	0.5	(0-20)	
RPD_MS	Lead, Total, ICAP/MS	81.000	82.500	UGL	1.8	(0-20)	

QC Ref #483124 Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Aluminum, Total, ICAP/MS	200	214	UGL	107.0	(85-115)	
LCS2	Aluminum, Total, ICAP/MS	200	224	UGL	112.0	(85-115)	
MBLK	Aluminum, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Aluminum, Total, ICAP/MS	25.000	22.8	UGL	91.2	(50-150)	
MS	Aluminum, Total, ICAP/MS	200	186	UGL	93.0	(70-130)	
MS2	Aluminum, Total, ICAP/MS	200	184	UGL	92.0	(70-130)	
MSD	Aluminum, Total, ICAP/MS	200	192	UGL	96.0	(70-130)	
MSD2	Aluminum, Total, ICAP/MS	200	184	UGL	92.0	(70-130)	
RPD_LCS	Aluminum, Total, ICAP/MS	107.000	112.000	UGL	4.6	(0-20)	
RPD_MS	Aluminum, Total, ICAP/MS	93.000	96.000	UGL	3.2	(0-20)	

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QC Ref #483126 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Chromium, Total, ICAP/MS	100	97.3	UGL	97.3	(85-115)	
LCS2	Chromium, Total, ICAP/MS	100	98.0	UGL	98.0	(85-115)	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	0.932	UGL	93.2	(50-150)	
MS	Chromium, Total, ICAP/MS	100	82.9	UGL	82.9	(70-130)	
MS2	Chromium, Total, ICAP/MS	100	84.5	UGL	84.5	(70-130)	
MSD	Chromium, Total, ICAP/MS	100	85.2	UGL	85.2	(70-130)	
MSD2	Chromium, Total, ICAP/MS	100	84.7	UGL	84.7	(70-130)	
RPD_LCS	Chromium, Total, ICAP/MS	97.300	98.000	UGL	0.7	(0-20)	
RPD_MS	Chromium, Total, ICAP/MS	82.900	85.200	UGL	2.7	(0-20)	

QC Ref #483127 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Manganese, Total, ICAP/MS	50	54.0	UGL	108.0	(85-115)	
LCS2	Manganese, Total, ICAP/MS	50	54.2	UGL	108.4	(85-115)	
MBLK	Manganese, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Manganese, Total, ICAP/MS	2.000	1.88	UGL	94.0	(50-150)	
MS	Manganese, Total, ICAP/MS	50	45.8	UGL	91.6	(70-130)	
MS2	Manganese, Total, ICAP/MS	50	47.2	UGL	94.4	(70-130)	
MSD	Manganese, Total, ICAP/MS	50	47.2	UGL	94.4	(70-130)	
MSD2	Manganese, Total, ICAP/MS	50	47.2	UGL	94.4	(70-130)	
RPD_LCS	Manganese, Total, ICAP/MS	108.000	108.400	UGL	0.4	(0-20)	
RPD_MS	Manganese, Total, ICAP/MS	91.600	94.400	UGL	3.0	(0-20)	

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Tronox LLC - Henderson
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QC Ref #483129 Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Nickel, Total, ICAP/MS	50	49.5	UGL	99.0	(85-115)	
LCS2	Nickel, Total, ICAP/MS	50	49.9	UGL	99.8	(85-115)	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	4.71	UGL	94.2	(50-150)	
MS	Nickel, Total, ICAP/MS	50	39.6	UGL	79.2	(70-130)	
MS2	Nickel, Total, ICAP/MS	50	42.4	UGL	84.8	(70-130)	
MSD	Nickel, Total, ICAP/MS	50	40.6	UGL	81.2	(70-130)	
MSD2	Nickel, Total, ICAP/MS	50	42.6	UGL	85.2	(70-130)	
RPD_LCS	Nickel, Total, ICAP/MS	99.000	99.800	UGL	0.8	(0-20)	
RPD_MS	Nickel, Total, ICAP/MS	79.200	81.200	UGL	2.5	(0-20)	

QC Ref #483130 Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	04170078	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 29	04220019	UGL		(0-0)	
LCS1	Copper, Total, ICAP/MS	100	106	UGL	106.0	(85-115)	
LCS2	Copper, Total, ICAP/MS	100	106	UGL	106.0	(85-115)	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	1.87	UGL	93.5	(50-150)	
MS	Copper, Total, ICAP/MS	100	86.9	UGL	86.9	(70-130)	
MS2	Copper, Total, ICAP/MS	100	82.8	UGL	82.8	(70-130)	
MSD	Copper, Total, ICAP/MS	100	89.1	UGL	89.1	(70-130)	
MSD2	Copper, Total, ICAP/MS	100	85.3	UGL	85.3	(70-130)	
RPD_LCS	Copper, Total, ICAP/MS	106.000	106.000	UGL	0.0	(0-20)	
RPD_MS	Copper, Total, ICAP/MS	86.900	89.100	UGL	2.5	(0-20)	

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QC Ref #483219

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	04280087	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.5	UGL	98.0	(85-115)	
LCS2	Perchlorate	25.0	23.0	UGL	92.0	(85-115)	
LCS3	Perchlorate	4	3.56	UGL	89.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.8	UGL	95.2	(80-120)	
MSD	Perchlorate	25.0	23.8	UGL	95.2	(80-120)	
RPD_LCS	Perchlorate	98.000	92.000	UGL	6.3	(0-15)	
RPD_MS	Perchlorate	95.200	95.200	UGL	1.0	(0-15)	

QC Ref #483343

Zinc, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 200904140257		MGL		(0-0)	
LCS1	Zinc, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Zinc, Total, ICAP	1.00	1.02	MGL	102.0	(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	1.10	MGL	110.0	(70-130)	
MSD	Zinc, Total, ICAP	1.00	1.08	MGL	108.0	(70-130)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates
are advisory only, unless otherwise specified in the method.