



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#: 222279
Project: CL04
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments, QC Report, QC Summary, Data Report, Hits Report, totaling 31 page[s].



MWH Laboratories

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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
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1 800 566 LABS (1 800 566 5227)

December 26, 2007

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

Subject: Case Narrative report 219615

Enclosed is MWH Laboratories Report 222279

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 13, 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 TDS, the initial analysis did not match historical data, so TDS measurement was performed again after holding time had expired. The past-hold time data were reported.

For toluene one of the Lab fortified blank recoveries was 87%, below the acceptance limit of 88%. The second LFB was recovered at 90%.

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

Sincerely,

Andrew Eaton, PhD
Project Manager



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

MW LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: FC

SAMPLE TEMP, RECEIPT AT LAB: 5C

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

KERR/MCGEE-MP

JJC permit - Water Supply Profile 1

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

Sampler Wendy Prescott

Kerr-McGee Chemical LLC
PO Box 55
Henderson, NV 89009
(702) 651-2234

TIME

DATE

LOCATION

IDENTIFIER, STATE ID#

MATRIX *

GRAB

COMP

SAMPLER COMMENTS

10:00 11/12/2007

Stabilized Water

RSW

X

X

See bottle order

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

Reported by Weight:

SO = Soil
SL = Sludge

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RECEIVED BY: *Wendy Prescott*

Wendy Prescott

Veolia Water NA for Kerr-McGee Chemical LLC

11/12/2007

1200pm

RECEIVED BY:

Wendy Prescott

Wendy Prescott

11-13

Wendy Prescott



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

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

M Monthly
 Week 1

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

SO# 38332 12996 RS

Sampler: Please Return this Paper with your samples

Created by 0
 Order Date 09/17/07
 Date Needed by Client
 Date Samples to Arrive at MWL

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
 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#

SHIP LOCATION

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	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, tl-ms alk tds, zn al-ms, sb-ms, ba-ms, be-ms B, cd-ms, ca, cl, cr-ms cu-ms, f, fe
1	GEN MIN, METALS, B	4: 2 500ml poly +1 125ml poly no pres& 1 250ml acid rinsed+1ml HNO3	UN 2031	Please sample the second FULL week of Each month (e.g. wk of 5/12) except in January 2003 (wk of 1/20)

Prepared By

Tracking Number

Carrier

Date Shipped

Status

ActiveCode

FedEx® US Airbill
Express

Tracking Number

8606 4424 4795

1 From
Date 11-12-07

Sender's Name
TRONOF LLC
Phone 781-651-7200

Company
TRONOF LLC

Address
8000 W. CAKE MOUND PKWY

City
HEANDERSON State NV ZIP 891015

2 Your Internal Billing Reference

3 To
Recipient's Name
MATH LABS Phone 6655A 1100

Company
MATH LABS

Recipient's Address
750 Royal Oak Dr Suite 100

Address
MENARD State CA ZIP 94101

To require a package to hold at a specific FedEx location, print FedEx address here.
We cannot deliver to P.O. boxes or R.F. ZIP codes.



8606 4424 4795

Recipient's Copy

Packages up to 150 lbs.

4a Express Package Service
 FedEx Priority Overnight
Next business day, Monday through Saturday. Delivery guaranteed unless SATURDAY Delivery is selected.
 FedEx Standard Overnight
Next business afternoon, Monday through Saturday. Delivery NOT available unless SATURDAY Delivery is selected.

FedEx 2Day
Second business day, Monday through Saturday. Delivery NOT available unless SATURDAY Delivery is selected.
 FedEx Express Saver
Third business day, Monday through Saturday. Delivery NOT available unless SATURDAY Delivery is selected.

4b Express Freight Service
 FedEx 1Day Freight
Next business day, Monday through Saturday. Delivery NOT available unless SATURDAY Delivery is selected.
 FedEx 2Day Freight
Second business day, Monday through Saturday. Delivery NOT available unless SATURDAY Delivery is selected.
 FedEx 3Day Freight
Third business day, Monday through Saturday. Delivery NOT available unless SATURDAY Delivery is selected.

5 Packaging
 FedEx Envelope*
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 FedEx Box
 Other
* Call for Confirmation.

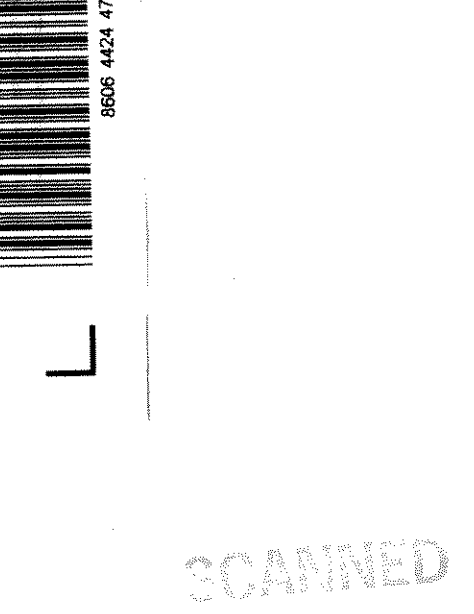
6 Special Handling
 SATURDAY Delivery
Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
 HOLD Weekday at FedEx Location
Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
 HOLD Saturday at FedEx Location
Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

7 Payment
 Sender
 Recipient
 Third Party
 Credit Card
 Cash/Check

8 NEW Residential Delivery Signature Options
 No Signature Required
 Direct Signature
 Indirect Signature
 Signature Required

Total Packages
Total Weight
Total Declared Value
Total Charges

Rev. Date 8/05/07 or 8/10/04-2005 FedEx-PRINTED IN U.S.A. ©2007



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#: 222279
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on 11/13/07. 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
2711130602	STABILIZED WATER		Water	12-nov-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		

Test Acronym Description

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

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 PO#: Susan Crowley PO
 Group#: 222279
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Test Acronym Description

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



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Report
Comments
#222279

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

High/Low Checks and MS/MSD recovered high for WCN.
Native sample scheduled for reanalysis. Data acceptable since only ND results are reported.

(QC Ref#: 2711130602)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

HA - Initial analysis within holding time. Reanalysis was past holding time.

Test: Toluene (ML/EPA 624)

L2 - The associated blank spike recovery was below lab acceptance limits.



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Laboratory
Hits Report
#222279

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

Samples Received
13-nov-2007 17:52:53

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2711130602	STABILIZED WATER				
11/14/07		Chloroform (Trichloromethane)	1.6		ug/l	0.5
11/14/07		Dibromochloromethane	1.0		ug/l	0.5
11/14/07		Dichlorobromomethane	1.9		ug/l	0.5
11/14/07		Alkalinity in CaCO3 units	127		mg/l	2.0
11/21/07		Anion Sum - Calculated	11		meq/l	0.0050
11/28/07		Arsenic, Total, ICAP/MS	2.9	10	ug/l	1.0
11/28/07		Barium, Total, ICAP/MS	136	2000	ug/l	2.0
11/21/07		Bicarb.Alkalinity as HCO3,calc	150		mg/l	2.0
11/20/07		Boron, Total, ICAP	0.14		mg/l	0.050
11/20/07		Calcium, Total, ICAP	81		mg/l	1.0
11/21/07		Cation Sum - Calculated	11		meq/l	0.0010
11/13/07		Chloride	98	250	mg/l	5.0
12/03/07		Fluoride	0.33	4	mg/l	0.050
11/20/07		Iron, Total, ICAP	0.030	0.3	mg/l	0.020
11/20/07		Magnesium, Total, ICAP	32		mg/l	0.10
11/13/07		Nitrate as Nitrogen by IC	0.80	10	mg/l	0.50
11/14/07		PH (H3=past HT, not compliant)	8.1	6.5-8.5	Units	0.010
11/15/07		Perchlorate	21		ug/l	4.0
11/20/07		Potassium, Total, ICAP	5.8		mg/l	1.0
11/20/07		Sodium, Total, ICAP	100		mg/l	1.0
11/15/07		Specific Conductance	1090		umho/cm	2.0
11/13/07		Sulfate	260	250	mg/l	2.5
12/10/07		Total Dissolved Solid (TDS)	680	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Data Report
#222279

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

Samples Received
11/13/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
STABILIZED WATER (2711130602) Sampled on 11/12/07 10:00								
	11/28/07 22:14	399873	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	11/28/07 22:14	399859	(ML/EPA 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	20	1
	11/14/07 00:00	397280	(SM 2320B/310.1)	Alkalinity in CaCO3 units	127	mg/l	2.0	1
	11/21/07 09:58	398515	(ML/SM1030E)	Anion Sum - Calculated	11	meq/l	0.0050	5
	11/28/07 22:14	399865	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	2.9	ug/l	1.0	1
	11/20/07 04:31	398430	(ML/EPA 200.7)	Boron, Total, ICAP	0.14	mg/l	0.050	1
	11/28/07 22:14	399885	(ML/EPA 200.8)	Barium, Total, ICAP/MS	136	ug/l	2.0	1
	11/28/07 22:14	399830	(ML/EPA 200.8)	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	11/20/07 04:31	398441	(ML/EPA 200.7)	Calcium, Total, ICAP	81	mg/l	1.0	1
	11/21/07 09:58	398515	(SM 1030E)	Cation Sum - Calculated	11	meq/l	0.0010	1
	11/28/07 22:14	399877	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	11/13/07 13:15	397148	(ML/EPA 300.0)	Chloride	98	mg/l	5.0	5
	11/15/07 00:15	397721	(EPA 314)	Perchlorate	21	ug/l	4.0	1
	11/21/07 09:58	398515	(SM 2330B)	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	11/28/07 22:14	399834	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	1.0	1
	11/28/07 22:14	399850	(ML/EPA 200.8)	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	11/15/07 00:00	397893	(SM 2510E)	Specific Conductance	1090	umho/cm	2.0	1
	12/03/07 00:00	400605	(SM 4500F-C)	Fluoride	0.33	mg/l	0.050	1
	11/20/07 04:31	398417	(ML/EPA 200.7)	Iron, Total, ICAP	0.030	mg/l	0.020	1
	11/21/07 09:58	398515	(SM 2330B)	Bicarb.Alkalinity as HCO3,calc	150	mg/l	2.0	1
	11/28/07 09:29	399641	(EPA 245.1)	Mercury	ND	ug/l	0.20	1
	11/20/07 04:31	398423	(ML/EPA 200.7)	Potassium, Total, ICAP	5.8	mg/l	1.0	1
	11/20/07 04:31	398428	(ML/EPA 200.7)	Magnesium, Total, ICAP	32	mg/l	0.10	1
	11/28/07 22:14	399837	(ML/EPA 200.8)	Manganese, Total, ICAP/MS	ND	ug/l	2.0	1
	11/20/07 04:31	398433	(ML/EPA 200.7)	Sodium, Total, ICAP	100	mg/l	1.0	1
	11/28/07 22:14	399846	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	11/13/07 13:15	397150	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	0.80	mg/l	0.50	5
	11/21/07 09:58	398515	(SM 2330B)	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	11/28/07 22:14	399893	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	11/14/07 09:00	397179	(SM 4500-HB)	PH (H3=past HT, not compliant)	8.1	Units	0.010	1
	11/28/07 22:14	399881	(ML/EPA 200.8)	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	11/28/07 22:14	399869	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1

Tronox LLC - Henderson
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	11/13/07 13:15	397151	(ML/EPA 300.0)	Sulfate	260	mg/l	2.5	5
12/10/07	12/10/07 14:40	403296	(EL60.1/SM2540C)	Total Dissolved Solid (TDS)	680(HA)	mg/l	10	1
	11/28/07 22:14	399889	(ML/EPA 200.8)	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
11/16/07	11/16/07 00:00	398108	(SM 4500CN-I)	Weak Acid Dissociable Cyanide	ND	mg/l	0.0050	1
	11/28/07 22:14	399855	(ML/EPA 200.8)	Zinc, Total, ICAP/MS	ND	ug/l	20	1

Volatile Organics HSL

	11/14/07 15:47	397552	(EPA 624)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	1,1-Dichloroethane	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	1,2-Dichloroethane	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	1,2-Dichloropropane	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	2-Butanone (MEK)	ND	ug/l	10	1
	11/14/07 15:47	397552	(EPA 624)	2-Hexanone	ND	ug/l	10	1
	11/14/07 15:47	397552	(EPA 624)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	11/14/07 15:47	397552	(EPA 624)	Acetone	ND	ug/l	10	1
	11/14/07 15:47	397552	(EPA 624)	Acrolein (Screen)	ND	ug/l	50	1
	11/14/07 15:47	397552	(EPA 624)	Acrylonitrile (Screen)	ND	ug/l	50	1
	11/14/07 15:47	397552	(EPA 624)	Benzene	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	cis-1,2-Dichloroethene	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Chlorobenzene	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	cis-1,3-Dichloropropene	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Bromoform	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Chloroform (Trichloromethane)	1.6	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Chloroethane	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Carbon disulfide	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Carbon Tetrachloride	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Dibromochloromethane	1.0	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Dichlorobromomethane	1.9	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Ethyl benzene	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Methyl Bromide	ND	ug/l	0.5	1
	11/14/07 15:47	397552	(EPA 624)	Methyl Chloride	ND	ug/l	0.5	1



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Laboratory
Data Report
#222279

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	11/14/07 15:47	397552	{ EPA 624	) Methylene Chloride	ND	ug/l	3.0	1
	11/14/07 15:47	397552	{ EPA 624	) m,p-Xylenes	ND	ug/l	1.0	1
	11/14/07 15:47	397552	{ EPA 624	) o-Xylene	ND	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) Tetrachloroethylene (PCE)	ND	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) Styrene	ND	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) trans-1,2-Dichloroethene	ND	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) 1,1,1-Trichloroethane	ND	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) Trichloroethylene (TCE)	ND	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) Trichlorofluoromethane	ND	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) trans-1,3-Dichloropropene	ND	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) Tetrahydrofuran	ND	ug/l	10	1
	11/14/07 15:47	397552	{ EPA 624	) Toluene	ND (L2)	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) Vinyl Chloride (VC)	ND	ug/l	0.5	1
	11/14/07 15:47	397552	{ EPA 624	) Vinyl Acetate	ND	ug/l	10	1
			{ EPA 624	) Toluene-d8(70-130)	104	% Rec		
			{ EPA 624) 1,2-Dichloroethane-d4(70-130)	112	% Rec		
			{ EPA 624) 4-Bromofluorobenzene(70-130)	104	% Rec		



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Laboratory
QC Summary
#222279

Tronox LLC - Henderson

QC Ref #397148 - Chloride		Analysis Date: 11/13/2007
2711130602	STABILIZED WATER	Analyzed by: jkz
QC Ref #397150 - Nitrate as Nitrogen by IC		Analysis Date: 11/13/2007
2711130602	STABILIZED WATER	Analyzed by: jkz
QC Ref #397151 - Sulfate		Analysis Date: 11/13/2007
2711130602	STABILIZED WATER	Analyzed by: jkz
QC Ref #397179 - PH (H3=past HT, not compliant)		Analysis Date: 11/14/2007
2711130602	STABILIZED WATER	Analyzed by: yvette
QC Ref #397280 - Alkalinity in CaCO3 units		Analysis Date: 11/14/2007
2711130602	STABILIZED WATER	Analyzed by: anh
QC Ref #397552 - Volatile Organics HSL		Analysis Date: 11/14/2007
2711130602	STABILIZED WATER	Analyzed by: mad
QC Ref #397721 - Perchlorate		Analysis Date: 11/15/2007
2711130602	STABILIZED WATER	Analyzed by: clv
QC Ref #397893 - Specific Conductance		Analysis Date: 11/15/2007
2711130602	STABILIZED WATER	Analyzed by: sar



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 QC Summary
 #222279

Tronox LLC - Henderson
 (continued)

QC Ref #398108 - Weak Acid Dissociable Cyanide Analysis Date: 11/16/2007

2711130602 STABILIZED WATER Analyzed by: lupe

QC Ref #398417 - Iron, Total, ICAP Analysis Date: 11/20/2007

2711130602 STABILIZED WATER Analyzed by: ste

QC Ref #398423 - Potassium, Total, ICAP Analysis Date: 11/20/2007

2711130602 STABILIZED WATER Analyzed by: ste

QC Ref #398428 - Magnesium, Total, ICAP Analysis Date: 11/20/2007

2711130602 STABILIZED WATER Analyzed by: ste

QC Ref #398430 - Boron, Total, ICAP Analysis Date: 11/20/2007

2711130602 STABILIZED WATER Analyzed by: ste

QC Ref #398433 - Sodium, Total, ICAP Analysis Date: 11/20/2007

2711130602 STABILIZED WATER Analyzed by: ste

QC Ref #398441 - Calcium, Total, ICAP Analysis Date: 11/20/2007

2711130602 STABILIZED WATER Analyzed by: ste

QC Ref #398515 - Anion Sum - Calculated Analysis Date: 11/21/2007

2711130602 STABILIZED WATER Analyzed by: dwr
 2711130602 STABILIZED WATER Analyzed by: dwr
 2711130602 STABILIZED WATER Analyzed by: dwr
 2711130602 STABILIZED WATER Analyzed by: dwr
 2711130602 STABILIZED WATER Analyzed by: dwr



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Laboratory
QC Summary
#222279

Tronox LLC - Henderson
(continued)

2711130602	STABILIZED WATER	Analyzed by: dwr
QC Ref #399641 - Mercury		Analysis Date: 11/28/2007
2711130602	STABILIZED WATER	Analyzed by: nina
QC Ref #399830 - Beryllium, Total, ICAP/MS		Analysis Date: 11/28/2007
2711130602	STABILIZED WATER	Analyzed by: dyh
QC Ref #399834 - Chromium, Total, ICAP/MS		Analysis Date: 11/28/2007
2711130602	STABILIZED WATER	Analyzed by: dyh
QC Ref #399837 - Manganese, Total, ICAP/MS		Analysis Date: 11/28/2007
2711130602	STABILIZED WATER	Analyzed by: dyh
QC Ref #399846 - Nickel, Total, ICAP/MS		Analysis Date: 11/28/2007
2711130602	STABILIZED WATER	Analyzed by: dyh
QC Ref #399850 - Copper, Total, ICAP/MS		Analysis Date: 11/28/2007
2711130602	STABILIZED WATER	Analyzed by: dyh
QC Ref #399855 - Zinc, Total, ICAP/MS		Analysis Date: 11/28/2007
2711130602	STABILIZED WATER	Analyzed by: dyh
QC Ref #399859 - Aluminum, Total, ICAP/MS		Analysis Date: 11/28/2007
2711130602	STABILIZED WATER	Analyzed by: dyh



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QC Summary
#222279

Tronox LLC - Henderson
(continued)

QC Ref #399865 - Arsenic, Total, ICAP/MS	Analysis Date: 11/28/2007
2711130602 STABILIZED WATER	Analyzed by: dyh
QC Ref #399869 - Selenium, Total, ICAP/MS	Analysis Date: 11/28/2007
2711130602 STABILIZED WATER	Analyzed by: dyh
QC Ref #399873 - Silver, Total, ICAP/MS	Analysis Date: 11/28/2007
2711130602 STABILIZED WATER	Analyzed by: dyh
QC Ref #399877 - Cadmium, Total, ICAP/MS	Analysis Date: 11/28/2007
2711130602 STABILIZED WATER	Analyzed by: dyh
QC Ref #399881 - Antimony, Total, ICAP/MS	Analysis Date: 11/28/2007
2711130602 STABILIZED WATER	Analyzed by: dyh
QC Ref #399885 - Barium, Total, ICAP/MS	Analysis Date: 11/28/2007
2711130602 STABILIZED WATER	Analyzed by: dyh
QC Ref #399889 - Thallium, Total, ICAP/MS	Analysis Date: 11/28/2007
2711130602 STABILIZED WATER	Analyzed by: dyh
QC Ref #399893 - Lead, Total, ICAP/MS	Analysis Date: 11/28/2007
2711130602 STABILIZED WATER	Analyzed by: dyh



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QC Summary
#222279

Tronox LLC - Henderson
(continued)

QC Ref #400605 - Fluoride

Analysis Date: 12/03/2007

2711130602

STABILIZED WATER

Analyzed by: yvette

QC Ref #403296 - Total Dissolved Solid (TDS)

Analysis Date: 12/10/2007

2711130602

STABILIZED WATER

Analyzed by: axa



Tronox LLC - Henderson

QC Ref #397148 Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130014	MGL		(0-0)	
LCS1	Chloride	25	24.9	MGL	99.6	(90-110)	
LCS2	Chloride	25	24.0	MGL	96.0	(90-110)	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.396	MGL	79.2	(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	99.600	96.000	MGL	3.7	(0-20)	
RPD_MS	Chloride	102.400	101.600	MGL	0.8	(0-20)	

QC Ref #397150 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130014	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.34	MGL	93.6	(90-110)	
LCS2	Nitrate as Nitrogen by IC	2.5	2.27	MGL	90.8	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0431	MGL	86.2	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.13	MGL	90.4	(80-112)	
MSD	Nitrate as Nitrogen by IC	1.25	1.05	MGL	84.0	(80-112)	
RPD_LCS	Nitrate as Nitrogen by IC	93.600	90.800	MGL	3.0	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	90.400	84.000	MGL	7.3	(0-20)	

QC Ref #397151 Sulfate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130014	MGL		(0-0)	
LCS1	Sulfate	50	49.2	MGL	98.4	(90-110)	
LCS2	Sulfate	50	47.7	MGL	95.4	(90-110)	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	1.00	0.866	MGL	86.6	(50-150)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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 (continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Sulfate	25	24.8	MGL	99.2	(83-115)	
MSD	Sulfate	25	24.8	MGL	99.2	(83-115)	
RPD_LCS	Sulfate	98.400	95.400	MGL	3.1	(0-20)	
RPD_MS	Sulfate	99.200	99.200	MGL	0.0	(0-20)	

QC Ref #397179 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11090184	UNIT		(0-0)	
DUP	PH (H3=past HT, not compliant)	8.64	8.65	UNIT		(0-20)	0.1

QC Ref #397280 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	11120033	MGL		(0-0)	
LCS1	Alkalinity in CaCO3 units	100	99	MGL	99.0	(90-110)	
LCS2	Alkalinity in CaCO3 units	100	102	MGL	102.0	(90-110)	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	1.60	MGL	80.0	(50-150)	
MS	Alkalinity in CaCO3 units	100	100	MGL	100.0	(80-120)	
MS2	Alkalinity in CaCO3 units	100	94	MGL	94.0	(80-120)	
MSD	Alkalinity in CaCO3 units	100	95	MGL	95.0	(80-120)	
MSD2	Alkalinity in CaCO3 units	100	97	MGL	97.0	(80-120)	
RPD_LCS	Alkalinity in CaCO3 units	99.000	102.000	MGL	3.0	(0-10)	
RPD_MS	Alkalinity in CaCO3 units	100.000	95.000	MGL	5.1	(0-20)	

QC Ref #397552 Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,2-Trichloroethane (1,1,2-T	5.0	4.43	UGL	88.6	(82-117)	
LCS2	1,1,2-Trichloroethane (1,1,2-T	5.0	4.44	UGL	88.8	(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	10.7	UGL	107.0	(82-130)	

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
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Tronox LLC - Henderson
 (continued)

RPD_LCS	1,1,2-Trichloroethane (1,1,2-T	88.600	88.800	UGL	0.2	(0-20)
LCS1	1,1-Dichloroethylene (1,1DCE)	5.0	4.61	UGL	92.2	(81-129)
LCS2	1,1-Dichloroethylene (1,1DCE)	5.0	4.44	UGL	88.8	(81-129)
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	UGL		
MS	1,1-Dichloroethylene (1,1DCE)	10	11.6	UGL	116.0	(82-140)
RPD_LCS	1,1-Dichloroethylene (1,1DCE)	92.200	88.800	UGL	3.8	(0-20)
LCS1	1,1-Dichloroethane	5.0	4.62	UGL	92.4	(85-120)
LCS2	1,1-Dichloroethane	5.0	4.58	UGL	91.6	(85-120)
MBLK	1,1-Dichloroethane	ND	<0.5	UGL		
MS	1,1-Dichloroethane	10	11.3	UGL	113.0	(84-133)
RPD_LCS	1,1-Dichloroethane	92.400	91.600	UGL	0.9	(0-20)
LCS1	o-Dichlorobenzene (1,2-DCB)	5.0	4.53	UGL	90.6	(88-118)
LCS2	o-Dichlorobenzene (1,2-DCB)	5.0	4.60	UGL	92.0	(88-118)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL		
MS	o-Dichlorobenzene (1,2-DCB)	10	10.0	UGL	100.0	(85-119)
RPD_LCS	o-Dichlorobenzene (1,2-DCB)	90.600	92.000	UGL	1.5	(0-20)
LCS1	1,2-Dichloroethane	5.0	4.98	UGL	99.6	(86-123)
LCS2	1,2-Dichloroethane	5.0	4.74	UGL	94.8	(86-123)
MBLK	1,2-Dichloroethane	ND	<0.5	UGL		
MS	1,2-Dichloroethane	10	10.9	UGL	109.0	(81-133)
RPD_LCS	1,2-Dichloroethane	99.600	94.800	UGL	4.9	(0-20)
LCS1	1,2-Dichloropropane	5.0	4.51	UGL	90.2	(84-112)
LCS2	1,2-Dichloropropane	5.0	4.66	UGL	93.2	(84-112)
MBLK	1,2-Dichloropropane	ND	<0.5	UGL		
MS	1,2-Dichloropropane	10	10.7	UGL	107.0	(83-123)
RPD_LCS	1,2-Dichloropropane	90.200	93.200	UGL	3.3	(0-20)
LCS1	m-Dichlorobenzene (1,3-DCB)	5.0	4.50	UGL	90.0	(81-139)
LCS2	m-Dichlorobenzene (1,3-DCB)	5.0	4.37	UGL	87.4	(81-139)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND	<0.5	UGL		
MS	m-Dichlorobenzene (1,3-DCB)	10	11.1	UGL	111.0	(82-136)
RPD_LCS	m-Dichlorobenzene (1,3-DCB)	90.000	87.400	UGL	2.9	(0-20)
LCS1	p-Dichlorobenzene (1,4-DCB)	5.0	4.72	UGL	94.4	(83-140)
LCS2	p-Dichlorobenzene (1,4-DCB)	5.0	4.52	UGL	90.4	(83-140)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10	11.0	UGL	110.0	(80-135)
RPD_LCS	p-Dichlorobenzene (1,4-DCB)	94.400	90.400	UGL	4.3	(0-20)

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LCS1	2-Butanone (MEK)	50	39.5	UGL	79.0	(71-120)
LCS2	2-Butanone (MEK)	50	40.6	UGL	81.2	(71-120)
MBLK	2-Butanone (MEK)	ND	<10	UGL		
MS	2-Butanone (MEK)	100	90.2	UGL	90.2	(53-126)
RPD_LCS	2-Butanone (MEK)	79.000	81.200	UGL	2.7	(0-20)
LCS1	2-Hexanone	50	43.3	UGL	86.6	(75-115)
LCS2	2-Hexanone	50	44.3	UGL	88.6	(75-115)
MBLK	2-Hexanone	ND	<10	UGL		
MS	2-Hexanone	100	101	UGL	101.0	(58-139)
RPD_LCS	2-Hexanone	86.600	88.600	UGL	2.3	(0-20)
LCS1	4-Methyl-2-Pentanone (MIBK)	50	46.8	UGL	93.6	(76-118)
LCS2	4-Methyl-2-Pentanone (MIBK)	50	47.0	UGL	94.0	(76-118)
MBLK	4-Methyl-2-Pentanone (MIBK)	ND	<10	UGL		
MS	4-Methyl-2-Pentanone (MIBK)	100	110	UGL	110.0	(64-142)
RPD_LCS	4-Methyl-2-Pentanone (MIBK)	93.600	94.000	UGL	0.4	(0-20)
MS	Spiked sample	Lab # 27	11090533	NONE		(0-0)
LCS1	Acetone	50	30.9	UGL	61.8	(61-125)
LCS2	Acetone	50	35.7	UGL	71.4	(61-125)
MBLK	Acetone	ND	<10	UGL		
MS	Acetone	100	69.8	UGL	69.8	(17-132)
RPD_LCS	Acetone	61.800	71.400	UGL	14.4	(0-20)
LCS1	Benzene	5.0	4.63	UGL	92.6	(89-119)
LCS2	Benzene	5.0	4.45	UGL	89.0	(89-119)
MBLK	Benzene	ND	<0.5	UGL		
MS	Benzene	10	11.3	UGL	113.0	(85-131)
RPD_LCS	Benzene	92.600	89.000	UGL	4.0	(0-20)
LCS1	cis-1,2-Dichloroethene	5.0	4.63	UGL	92.6	(85-117)
LCS2	cis-1,2-Dichloroethene	5.0	4.53	UGL	90.6	(85-117)
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL		
MS	cis-1,2-Dichloroethene	10	11.2	UGL	112.0	(85-132)
RPD_LCS	cis-1,2-Dichloroethene	92.600	90.600	UGL	2.2	(0-20)
LCS1	Chlorobenzene	5.0	4.65	UGL	93.0	(88-118)
LCS2	Chlorobenzene	5.0	4.58	UGL	91.6	(88-118)
MBLK	Chlorobenzene	ND	<0.5	UGL		
MS	Chlorobenzene	10	11.4	UGL	114.0	(87-126)
RPD_LCS	Chlorobenzene	93.000	91.600	UGL	1.5	(0-20)

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LCS1	cis-1,3-Dichloropropene	5.0	4.53	UGL	90.6	(75-109)
LCS2	cis-1,3-Dichloropropene	5.0	4.43	UGL	88.6	(75-109)
MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL		
MS	cis-1,3-Dichloropropene	10	10.2	UGL	102.0	(50-133)
RPD_LCS	cis-1,3-Dichloropropene	90.600	88.600	UGL	2.2	(0-20)
LCS1	Bromoform	5.0	4.19	UGL	83.8	(75-129)
LCS2	Bromoform	5.0	4.35	UGL	87.0	(75-129)
MBLK	Bromoform	ND	<0.5	UGL		
MS	Bromoform	10	9.82	UGL	98.2	(68-131)
RPD_LCS	Bromoform	83.800	87.000	UGL	3.7	(0-20)
LCS1	Chloroform (Trichloromethane)	5.0	4.63	UGL	92.6	(85-121)
LCS2	Chloroform (Trichloromethane)	5.0	4.71	UGL	94.2	(85-121)
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL		
MS	Chloroform (Trichloromethane)	10	11.6	UGL	116.0	(81-140)
RPD_LCS	Chloroform (Trichloromethane)	92.600	94.200	UGL	1.7	(0-20)
LCS1	Chloroethane	5.0	5.57	UGL	111.4	(76-127)
LCS2	Chloroethane	5.0	5.59	UGL	111.8	(76-127)
MBLK	Chloroethane	ND	<0.5	UGL		
MS	Chloroethane	10	11.5	UGL	115.0	(58-159)
RPD_LCS	Chloroethane	111.400	111.800	UGL	0.4	(0-20)
LCS1	Carbon disulfide	5.0	4.48	UGL	89.6	(73-129)
LCS2	Carbon disulfide	5.0	4.34	UGL	86.8	(73-129)
MBLK	Carbon disulfide	ND	<0.5	UGL		
MS	Carbon disulfide	10	11.5	UGL	115.0	(80-138)
RPD_LCS	Carbon disulfide	89.600	86.800	UGL	3.2	(0-20)
LCS1	Carbon Tetrachloride	5.0	4.73	UGL	94.6	(79-124)
LCS2	Carbon Tetrachloride	5.0	4.50	UGL	90.0	(79-124)
MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10	11.8	UGL	118.0	(77-145)
RPD_LCS	Carbon Tetrachloride	94.600	90.000	UGL	5.0	(0-20)
LCS1	Dibromochloromethane	5.0	4.64	UGL	92.8	(79-118)
LCS2	Dibromochloromethane	5.0	4.39	UGL	87.8	(79-118)
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10	10.7	UGL	107.0	(78-133)
RPD_LCS	Dibromochloromethane	92.800	87.800	UGL	5.5	(0-20)
LCS1	Dichlorobromomethane	5.0	4.57	UGL	91.4	(80-115)

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LCS2	Dichlorobromomethane	5.0	4.44	UGL	88.8	(80-115)
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10	11.2	UGL	112.0	(81-132)
RPD_LCS	Dichlorobromomethane	91.400	88.800	UGL	2.9	(0-20)
LCS1	Ethyl benzene	5.0	4.64	UGL	92.8	(83-115)
LCS2	Ethyl benzene	5.0	4.62	UGL	92.4	(83-115)
MBLK	Ethyl benzene	ND	<0.5	UGL		
MS	Ethyl benzene	10	11.8	UGL	118.0	(85-128)
RPD_LCS	Ethyl benzene	92.800	92.400	UGL	0.4	(0-20)
LCS1	Dichlorodifluoromethane	5.0	6.08	UGL	121.6	(63-131)
LCS2	Dichlorodifluoromethane	5.0	6.17	UGL	123.4	(63-131)
MBLK	Dichlorodifluoromethane	ND	<0.5	UGL		
MS	Dichlorodifluoromethane	10	10.7	UGL	107.0	(74-151)
RPD_LCS	Dichlorodifluoromethane	121.600	123.400	UGL	1.5	(0-20)
LCS1	Methyl Bromide	5.0	6.34	UGL	126.8	(58-145)
LCS2	Methyl Bromide	5.0	5.66	UGL	113.2	(58-145)
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10	10.7	UGL	107.0	(48-158)
RPD_LCS	Methyl Bromide	126.800	113.200	UGL	11.3	(0-20)
LCS1	Methyl Chloride	5.0	5.78	UGL	115.6	(76-126)
LCS2	Methyl Chloride	5.0	5.76	UGL	115.2	(76-126)
MBLK	Methyl Chloride	ND	<0.5	UGL		
MS	Methyl Chloride	10	10.4	UGL	104.0	(68-141)
RPD_LCS	Methyl Chloride	115.600	115.200	UGL	0.3	(0-20)
LCS1	Methylene Chloride	5.0	4.60	UGL	92.0	(83-123)
LCS2	Methylene Chloride	5.0	4.49	UGL	89.8	(83-123)
MBLK	Methylene Chloride	ND	<3.0	UGL		
MS	Methylene Chloride	10	11.0	UGL	110.0	(83-134)
RPD_LCS	Methylene Chloride	92.000	89.800	UGL	2.4	(0-20)
LCS1	m,p-Xylenes	10	9.95	UGL	99.5	(89-120)
LCS2	m,p-Xylenes	10	9.67	UGL	96.7	(89-120)
MBLK	m,p-Xylenes	ND	<1.0	UGL		
MS	m,p-Xylenes	20	24.3	UGL	121.5	(85-139)
RPD_LCS	m,p-Xylenes	99.500	96.700	UGL	2.9	(0-20)
LCS1	o-Xylene	5.0	4.72	UGL	94.4	(84-111)
LCS2	o-Xylene	5.0	4.68	UGL	93.6	(84-111)

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MBLK	o-Xylene	ND	<0.5	UGL		
MS	o-Xylene	10	12.2	UGL	122.0	(83-132)
RPD_LCS	o-Xylene	94.400	93.600	UGL	0.9	(0-20)
LCS1	1,1,2,2-Tetrachloroethane	5.0	4.73	UGL	94.6	(83-131)
LCS2	1,1,2,2-Tetrachloroethane	5.0	4.68	UGL	93.6	(83-131)
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10	10.2	UGL	102.0	(83-127)
RPD_LCS	1,1,2,2-Tetrachloroethane	94.600	93.600	UGL	1.1	(0-20)
LCS1	Tetrachloroethylene (PCE)	5.0	4.54	UGL	90.8	(81-132)
LCS2	Tetrachloroethylene (PCE)	5.0	4.65	UGL	93.0	(81-132)
MBLK	Tetrachloroethylene (PCE)	ND	<0.5	UGL		
MS	Tetrachloroethylene (PCE)	10	11.6	UGL	116.0	(83-143)
RPD_LCS	Tetrachloroethylene (PCE)	90.800	93.000	UGL	2.4	(0-20)
LCS1	Styrene	5.0	4.80	UGL	96.0	(83-115)
LCS2	Styrene	5.0	4.71	UGL	94.2	(83-115)
MBLK	Styrene	ND	<0.5	UGL		
MS	Styrene	10	12.0	UGL	120.0	(56-140)
RPD_LCS	Styrene	96.000	94.200	UGL	1.9	(0-20)
LCS1	1,2-dichloroethane-d4	100	105	%R	105.0	(70-130)
LCS2	1,2-dichloroethane-d4	100	100	%R	100.0	(70-130)
MBLK	1,2-dichloroethane-d4	100	112	%R	112.0	
MS	1,2-dichloroethane-d4	100	112	%R	112.0	(70-130)
RPD_LCS	1,2-dichloroethane-d4	105.000	100.000	%R	4.9	(0-20)
LCS1	Toluene-d8	100	104	%R	104.0	(70-130)
LCS2	Toluene-d8	100	103	%R	103.0	(70-130)
MBLK	Toluene-d8	100	101	%R	101.0	
MS	Toluene-d8	100	104	%R	104.0	(70-130)
RPD_LCS	Toluene-d8	104.000	103.000	%R	1.0	(0-20)
LCS1	4-Bromofluorobenzene	100	101	%R	101.0	(70-130)
LCS2	4-Bromofluorobenzene	100	100	%R	100.0	(70-130)
MBLK	4-Bromofluorobenzene	100	101	%R	101.0	
MS	4-Bromofluorobenzene	100	101	%R	101.0	(70-130)
RPD_LCS	4-Bromofluorobenzene	101.000	100.000	%R	1.0	(0-20)
LCS1	trans-1,2-Dichloroethene	5.0	4.82	UGL	96.4	(84-126)
LCS2	trans-1,2-Dichloroethene	5.0	4.74	UGL	94.8	(84-126)
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		

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MS	trans-1,2-Dichloroethene	10	11.6	UGL	116.0	(82-136)
RPD_LCS	trans-1,2-Dichloroethene	96.400	94.800	UGL	1.7	(0-20)
LCS1	1,1,1-Trichloroethane	5.0	4.53	UGL	90.6	(82-121)
LCS2	1,1,1-Trichloroethane	5.0	4.60	UGL	92.0	(82-121)
MBLK	1,1,1-Trichloroethane	ND	<0.5	UGL		
MS	1,1,1-Trichloroethane	10	11.8	UGL	118.0	(84-137)
RPD_LCS	1,1,1-Trichloroethane	90.600	92.000	UGL	1.5	(0-20)
LCS1	Trichloroethylene (TCE)	5.0	4.58	UGL	91.6	(86-120)
LCS2	Trichloroethylene (TCE)	5.0	4.54	UGL	90.8	(86-120)
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10	11.5	UGL	115.0	(86-130)
RPD_LCS	Trichloroethylene (TCE)	91.600	90.800	UGL	0.9	(0-20)
LCS1	Trichlorofluoromethane	5.0	5.48	UGL	109.6	(76-133)
LCS2	Trichlorofluoromethane	5.0	5.38	UGL	107.6	(76-133)
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		
MS	Trichlorofluoromethane	10	11.8	UGL	118.0	(75-153)
RPD_LCS	Trichlorofluoromethane	109.600	107.600	UGL	1.8	(0-20)
LCS1	trans-1,3-Dichloropropene	5.0	4.36	UGL	87.2	(71-114)
LCS2	trans-1,3-Dichloropropene	5.0	4.43	UGL	88.6	(71-114)
MBLK	trans-1,3-Dichloropropene	ND	<0.5	UGL		
MS	trans-1,3-Dichloropropene	10	10.1	UGL	101.0	(45-141)
RPD_LCS	trans-1,3-Dichloropropene	87.200	88.600	UGL	1.6	(0-20)
LCS1	Tetrahydrofuran	50	44.1	UGL	88.2	(79-121)
LCS2	Tetrahydrofuran	50	45.5	UGL	91.0	(79-121)
MBLK	Tetrahydrofuran	ND	<10	UGL		
MS	Tetrahydrofuran	100	106	UGL	106.0	(66-134)
RPD_LCS	Tetrahydrofuran	88.200	91.000	UGL	3.1	(0-20)
LCS1	Toluene	5.0	4.37	UGL	<u>87.4</u>	(88-118)
LCS2	Toluene	5.0	4.48	UGL	89.6	(88-118)
MBLK	Toluene	ND	<0.5	UGL		
MS	Toluene	10	10.9	UGL	109.0	(87-128)
RPD_LCS	Toluene	87.400	89.600	UGL	2.5	(0-20)
LCS1	Vinyl Chloride (VC)	5.0	5.19	UGL	103.8	(72-125)
LCS2	Vinyl Chloride (VC)	5.0	5.07	UGL	101.4	(72-125)
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL		
MS	Vinyl Chloride (VC)	10	10.3	UGL	103.0	(79-137)

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RPD_LCS	Vinyl Chloride (VC)	103.800	101.400	UGL	2.3	(0-20)
LCS1	Vinyl Acetate	25	23.3	UGL	93.2	(61-125)
LCS2	Vinyl Acetate	25	23.1	UGL	92.4	(61-125)
MBLK	Vinyl Acetate	ND	<10	UGL		
MS	Vinyl Acetate	50	58.3	UGL	116.6	(40-142)
RPD_LCS	Vinyl Acetate	93.200	92.400	UGL	0.9	(0-20)

QC Ref #397721 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS2	Perchlorate	25.0	26.7	UGL	106.8	(85-115)	
LCS3	Perchlorate	4	4.24	UGL	106.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	20.6	UGL	82.4	(80-120)	
MSD	Perchlorate	25.0	22.8	UGL	91.2	(80-120)	
RPD_LCS	Perchlorate	106.000	106.800	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	82.400	91.200	UGL	1.1	(0-15)	

QC Ref #397893 Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	1025	1023	UMHO		(0-20)	0.2
DUP2	Specific Conductance	1370	1360	UMHO		(0-20)	0.7
LCS1	Specific Conductance	1000	971	UMHO	97.1	(90-110)	
LCS2	Specific Conductance	1000	978	UMHO	97.8	(90-110)	
MBLK	Specific Conductance	ND	<2.0	UMHO			
MRL_CHK	Specific Conductance	2.00	1.87	UMHO	93.5	(50-150)	

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are advisory only, unless otherwise specified in the method.

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QC Ref #398108 Weak Acid Dissociable Cyanide

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11140344	MGL		(0-0)	
LCS1	Weak Acid Dissociable Cyanide	0.1	0.109	MGL	109.0	(90-110)	
LCS2	Weak Acid Dissociable Cyanide	0.1	0.110	MGL	110.0	(90-110)	
MBLK	Weak Acid Dissociable Cyanide	ND	<0.0050	MGL			
MS	Weak Acid Dissociable Cyanide	0.1	0.125	MGL	<u>125.0</u>	(85-115)	
MSD	Weak Acid Dissociable Cyanide	0.1	0.125	MGL	<u>125.0</u>	(85-115)	

QC Ref #398417 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	5.21	MGL	104.2	(85-115)	
LCS2	Iron, Total, ICAP	5.0	5.13	MGL	102.6	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.019	MGL	95.0	(50-150)	
MS	Iron, Total, ICAP	5.0	5.22	MGL	104.4	(70-130)	
MS2	Iron, Total, ICAP	5.0	5.16	MGL	103.2	(70-130)	
MSD	Iron, Total, ICAP	5.0	5.12	MGL	102.4	(70-130)	
MSD2	Iron, Total, ICAP	5.0	5.14	MGL	102.8	(70-130)	
RPD_LCS	Iron, Total, ICAP	104.200	102.600	MGL	1.5	(0-20)	
RPD_MS	Iron, Total, ICAP	104.400	102.400	MGL	1.9	(0-20)	

QC Ref #398423 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	20.0	MGL	100.0	(85-115)	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	0.937	MGL	93.7	(50-150)	
MS	Potassium, Total, ICAP	20	20.6	MGL	103.0	(70-130)	

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QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS2	Potassium, Total, ICAP	20	21.0	MGL	105.0	(70-130)	
MSD	Potassium, Total, ICAP	20	20.7	MGL	103.5	(70-130)	
MSD2	Potassium, Total, ICAP	20	20.7	MGL	103.5	(70-130)	
RPD_LCS	Potassium, Total, ICAP	102.500	100.000	MGL	2.5	(0-20)	
RPD_MS	Potassium, Total, ICAP	103.000	103.500	MGL	0.5	(0-20)	

QC Ref #398428 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	20.7	MGL	103.5	(85-115)	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.103	MGL	103.0	(50-150)	
MS	Magnesium, Total, ICAP	20	19.9	MGL	99.5	(70-130)	
MS2	Magnesium, Total, ICAP	20	20.8	MGL	104.0	(70-130)	
MSD	Magnesium, Total, ICAP	20	19.3	MGL	96.5	(70-130)	
MSD2	Magnesium, Total, ICAP	20	20.8	MGL	104.0	(70-130)	
RPD_LCS	Magnesium, Total, ICAP	105.000	103.500	MGL	1.4	(0-20)	
RPD_MS	Magnesium, Total, ICAP	99.500	96.500	MGL	3.1	(0-20)	

QC Ref #398430 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.493	MGL	98.6	(85-115)	
LCS2	Boron, Total, ICAP	0.5	0.475	MGL	95.0	(85-115)	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.052	MGL	104.0	(50-150)	
MS	Boron, Total, ICAP	0.5	0.504	MGL	100.8	(70-130)	
MS2	Boron, Total, ICAP	0.5	0.518	MGL	103.6	(70-130)	
MSD	Boron, Total, ICAP	0.5	0.494	MGL	98.8	(70-130)	
MSD2	Boron, Total, ICAP	0.5	0.509	MGL	101.8	(70-130)	
RPD_LCS	Boron, Total, ICAP	98.600	95.000	MGL	3.7	(0-20)	
RPD_MS	Boron, Total, ICAP	100.800	98.800	MGL	2.0	(0-20)	

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Tronox LLC - Henderson
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QC Ref #398433 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	51.2	MGL	102.4	(85-115)	
LCS2	Sodium, Total, ICAP	50	50.2	MGL	100.4	(85-115)	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	1.00	MGL	100.0	(50-150)	
MS	Sodium, Total, ICAP	50	49.7	MGL	99.4	(70-130)	
MS2	Sodium, Total, ICAP	50	50.8	MGL	101.6	(70-130)	
MSD	Sodium, Total, ICAP	50	49.8	MGL	99.6	(70-130)	
MSD2	Sodium, Total, ICAP	50	49.7	MGL	99.4	(70-130)	
RPD_LCS	Sodium, Total, ICAP	102.400	100.400	MGL	2.0	(0-20)	
RPD_MS	Sodium, Total, ICAP	99.400	99.600	MGL	0.2	(0-20)	

QC Ref #398441 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	52.2	MGL	104.4	(85-115)	
LCS2	Calcium, Total, ICAP	50	51.9	MGL	103.8	(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	47.5	MGL	95.0	(70-130)	
MS2	Calcium, Total, ICAP	50	50.4	MGL	100.8	(70-130)	
MSD	Calcium, Total, ICAP	50	45.7	MGL	91.4	(70-130)	
MSD2	Calcium, Total, ICAP	50	50.2	MGL	100.4	(70-130)	
RPD_LCS	Calcium, Total, ICAP	104.400	103.800	MGL	0.6	(0-20)	
RPD_MS	Calcium, Total, ICAP	95.000	91.400	MGL	3.9	(0-20)	

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QC Ref #399641 Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	11130524	UGL		(0-0)	
LCS1	Mercury	1.50	1.49	UGL	99.3	(85-115)	
LCS2	Mercury	1.50	1.50	UGL	100.0	(85-115)	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.204	UGL	102.0	(50-150)	
MS	Mercury	1.50	1.54	UGL	102.7	(70-130)	
MSD	Mercury	1.50	1.54	UGL	102.7	(70-130)	
RPD_LCS	Mercury	99.333	100.000	UGL	0.7	(0-20)	
RPD_MS	Mercury	102.667	102.667	UGL	0.0	(0-20)	

QC Ref #399830 Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Beryllium, Total, ICAP/MS	5.00	4.84	UGL	96.8	(85-115)	
LCS2	Beryllium, Total, ICAP/MS	5.00	5.01	UGL	100.2	(85-115)	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	1.09	UGL	109.0	(50-150)	
MS	Beryllium, Total, ICAP/MS	5.00	4.95	UGL	99.0	(70-130)	
MS2	Beryllium, Total, ICAP/MS	5.00	5.22	UGL	104.4	(70-130)	
MSD	Beryllium, Total, ICAP/MS	5.00	4.89	UGL	97.8	(70-130)	
MSD2	Beryllium, Total, ICAP/MS	5.00	5.17	UGL	103.4	(70-130)	
RPD_LCS	Beryllium, Total, ICAP/MS	96.800	100.200	UGL	3.5	(0-20)	
RPD_MS	Beryllium, Total, ICAP/MS	99.000	97.800	UGL	1.2	(0-20)	

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



Tronox LLC - Henderson
(continued)

QC Ref #399834 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Chromium, Total, ICAP/MS	100	99.5	UGL	99.5	(85-115)	
LCS2	Chromium, Total, ICAP/MS	100	99.2	UGL	99.2	(85-115)	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	1.08	UGL	108.0	(50-150)	
MS	Chromium, Total, ICAP/MS	100	96.4	UGL	96.4	(70-130)	
MS2	Chromium, Total, ICAP/MS	100	97.6	UGL	97.6	(70-130)	
MSD	Chromium, Total, ICAP/MS	100	97.1	UGL	97.1	(70-130)	
MSD2	Chromium, Total, ICAP/MS	100	98.0	UGL	98.0	(70-130)	
RPD_LCS	Chromium, Total, ICAP/MS	99.500	99.200	UGL	0.3	(0-20)	
RPD_MS	Chromium, Total, ICAP/MS	96.400	97.100	UGL	0.7	(0-20)	

QC Ref #399837 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Manganese, Total, ICAP/MS	50	48.1	UGL	96.2	(85-115)	
LCS2	Manganese, Total, ICAP/MS	50	47.8	UGL	95.6	(85-115)	
MBLK	Manganese, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Manganese, Total, ICAP/MS	2.000	2.01	UGL	100.5	(50-150)	
MS	Manganese, Total, ICAP/MS	50	45.7	UGL	91.4	(70-130)	
MS2	Manganese, Total, ICAP/MS	50	46.3	UGL	92.6	(70-130)	
MSD	Manganese, Total, ICAP/MS	50	46.2	UGL	92.4	(70-130)	
MSD2	Manganese, Total, ICAP/MS	50	46.6	UGL	93.2	(70-130)	
RPD_LCS	Manganese, Total, ICAP/MS	96.200	95.600	UGL	0.6	(0-20)	
RPD_MS	Manganese, Total, ICAP/MS	91.400	92.400	UGL	1.1	(0-20)	

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



Tronox LLC - Henderson
(continued)

QC Ref #399846 Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Nickel, Total, ICAP/MS	50	51.0	UGL	102.0	(85-115)	
LCS2	Nickel, Total, ICAP/MS	50	50.7	UGL	101.4	(85-115)	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	5.24	UGL	104.8	(50-150)	
MS	Nickel, Total, ICAP/MS	50	46.7	UGL	93.4	(70-130)	
MS2	Nickel, Total, ICAP/MS	50	47.1	UGL	94.2	(70-130)	
MSD	Nickel, Total, ICAP/MS	50	47.2	UGL	94.4	(70-130)	
MSD2	Nickel, Total, ICAP/MS	50	47.3	UGL	94.6	(70-130)	
RPD_LCS	Nickel, Total, ICAP/MS	102.000	101.400	UGL	0.6	(0-20)	
RPD_MS	Nickel, Total, ICAP/MS	93.400	94.400	UGL	1.1	(0-20)	

QC Ref #399850 Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Copper, Total, ICAP/MS	100	103	UGL	103.0	(85-115)	
LCS2	Copper, Total, ICAP/MS	100	102	UGL	102.0	(85-115)	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	2.01	UGL	100.5	(50-150)	
MS	Copper, Total, ICAP/MS	100	93.9	UGL	93.9	(70-130)	
MS2	Copper, Total, ICAP/MS	100	94.8	UGL	94.8	(70-130)	
MSD	Copper, Total, ICAP/MS	100	94.9	UGL	94.9	(70-130)	
MSD2	Copper, Total, ICAP/MS	100	94.8	UGL	94.8	(70-130)	
RPD_LCS	Copper, Total, ICAP/MS	103.000	102.000	UGL	1.0	(0-20)	
RPD_MS	Copper, Total, ICAP/MS	93.900	94.900	UGL	1.1	(0-20)	

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Tronox LLC - Henderson
(continued)

QC Ref #399855 Zinc, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Zinc, Total, ICAP/MS	100	102	UGL	102.0	(85-115)	
LCS2	Zinc, Total, ICAP/MS	100	102	UGL	102.0	(85-115)	
MBLK	Zinc, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Zinc, Total, ICAP/MS	20.0	20.6	UGL	103.0	(50-150)	
MS	Zinc, Total, ICAP/MS	100	99.0	UGL	99.0	(70-130)	
MS2	Zinc, Total, ICAP/MS	100	101	UGL	101.0	(70-130)	
MSD	Zinc, Total, ICAP/MS	100	100	UGL	100.0	(70-130)	
MSD2	Zinc, Total, ICAP/MS	100	101	UGL	101.0	(70-130)	
RPD_LCS	Zinc, Total, ICAP/MS	102.000	102.000	UGL	0.0	(0-20)	
RPD_MS	Zinc, Total, ICAP/MS	99.000	100.000	UGL	1.0	(0-20)	

QC Ref #399859 Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Aluminum, Total, ICAP/MS	200	202	UGL	101.0	(85-115)	
LCS2	Aluminum, Total, ICAP/MS	200	201	UGL	100.5	(85-115)	
MBLK	Aluminum, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Aluminum, Total, ICAP/MS	25.000	22.2	UGL	88.8	(50-150)	
MS	Aluminum, Total, ICAP/MS	200	199	UGL	99.5	(70-130)	
MS2	Aluminum, Total, ICAP/MS	200	200	UGL	100.0	(70-130)	
MSD	Aluminum, Total, ICAP/MS	200	201	UGL	100.5	(70-130)	
MSD2	Aluminum, Total, ICAP/MS	200	201	UGL	100.5	(70-130)	
RPD_LCS	Aluminum, Total, ICAP/MS	101.000	100.500	UGL	0.5	(0-20)	
RPD_MS	Aluminum, Total, ICAP/MS	99.500	100.500	UGL	1.0	(0-20)	

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



Tronox LLC - Henderson
(continued)

QC Ref #399865 Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Arsenic, Total, ICAP/MS	20	20.2	UGL	101.0	(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	1.07	UGL	107.0	(50-150)	
MS	Arsenic, Total, ICAP/MS	20	20.9	UGL	104.5	(70-130)	
MS2	Arsenic, Total, ICAP/MS	20	21.2	UGL	106.0	(70-130)	
MSD	Arsenic, Total, ICAP/MS	20	21.1	UGL	105.5	(70-130)	
MSD2	Arsenic, Total, ICAP/MS	20	21.3	UGL	106.5	(70-130)	
RPD_LCS	Arsenic, Total, ICAP/MS	101.000	101.000	UGL	0.0	(0-20)	
RPD_MS	Arsenic, Total, ICAP/MS	104.500	105.500	UGL	1.0	(0-20)	

QC Ref #399869 Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Selenium, Total, ICAP/MS	20	20.5	UGL	102.5	(85-115)	
LCS2	Selenium, Total, ICAP/MS	20	20.4	UGL	102.0	(85-115)	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	4.91	UGL	98.2	(50-150)	
MS	Selenium, Total, ICAP/MS	20	21.6	UGL	108.0	(70-130)	
MS2	Selenium, Total, ICAP/MS	20	22.3	UGL	111.5	(70-130)	
MSD	Selenium, Total, ICAP/MS	20	21.6	UGL	108.0	(70-130)	
MSD2	Selenium, Total, ICAP/MS	20	22.0	UGL	110.0	(70-130)	
RPD_LCS	Selenium, Total, ICAP/MS	102.500	102.000	UGL	0.5	(0-20)	
RPD_MS	Selenium, Total, ICAP/MS	108.000	108.000	UGL	0.0	(0-20)	

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

Tronox LLC - Henderson
 (continued)

QC Ref #399873 Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Silver, Total, ICAP/MS	50	48.0	UGL	96.0	(85-115)	
LCS2	Silver, Total, ICAP/MS	50	47.7	UGL	95.4	(85-115)	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.559	UGL	111.8	(50-150)	
MS	Silver, Total, ICAP/MS	50	38.9	UGL	77.8	(70-130)	
MS2	Silver, Total, ICAP/MS	50	41.4	UGL	82.8	(70-130)	
MSD	Silver, Total, ICAP/MS	50	39.4	UGL	78.8	(70-130)	
MSD2	Silver, Total, ICAP/MS	50	41.6	UGL	83.2	(70-130)	
RPD_LCS	Silver, Total, ICAP/MS	96.000	95.400	UGL	0.6	(0-20)	
RPD_MS	Silver, Total, ICAP/MS	77.800	78.800	UGL	1.3	(0-20)	

QC Ref #399877 Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Cadmium, Total, ICAP/MS	20	20.3	UGL	101.5	(85-115)	
LCS2	Cadmium, Total, ICAP/MS	20	20.3	UGL	101.5	(85-115)	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.534	UGL	106.8	(50-150)	
MS	Cadmium, Total, ICAP/MS	20	18.7	UGL	93.5	(70-130)	
MS2	Cadmium, Total, ICAP/MS	20	19.6	UGL	98.0	(70-130)	
MSD	Cadmium, Total, ICAP/MS	20	18.9	UGL	94.5	(70-130)	
MSD2	Cadmium, Total, ICAP/MS	20	19.8	UGL	99.0	(70-130)	
RPD_LCS	Cadmium, Total, ICAP/MS	101.500	101.500	UGL	0.0	(0-20)	
RPD_MS	Cadmium, Total, ICAP/MS	93.500	94.500	UGL	1.1	(0-20)	

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

Tronox LLC - Henderson
(continued)

QC Ref #399881 Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Antimony, Total, ICAP/MS	50	48.1	UGL	96.2	(85-115)	
LCS2	Antimony, Total, ICAP/MS	50	48.2	UGL	96.4	(85-115)	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.20	UGL	120.0	(50-150)	
MS	Antimony, Total, ICAP/MS	50	46.4	UGL	92.8	(70-130)	
MS2	Antimony, Total, ICAP/MS	50	48.2	UGL	96.4	(70-130)	
MSD	Antimony, Total, ICAP/MS	50	46.7	UGL	93.4	(70-130)	
MSD2	Antimony, Total, ICAP/MS	50	48.7	UGL	97.4	(70-130)	
RPD_LCS	Antimony, Total, ICAP/MS	96.200	96.400	UGL	0.2	(0-20)	
RPD_MS	Antimony, Total, ICAP/MS	92.800	93.400	UGL	0.6	(0-20)	

QC Ref #399885 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Barium, Total, ICAP/MS	100	99.2	UGL	99.2	(85-115)	
LCS2	Barium, Total, ICAP/MS	100	98.5	UGL	98.5	(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	93.7	UGL	93.7	(70-130)	
MS2	Barium, Total, ICAP/MS	100	96.8	UGL	96.8	(70-130)	
MSD	Barium, Total, ICAP/MS	100	92.7	UGL	92.7	(70-130)	
MSD2	Barium, Total, ICAP/MS	100	97.7	UGL	97.7	(70-130)	
RPD_LCS	Barium, Total, ICAP/MS	99.200	98.500	UGL	0.7	(0-20)	
RPD_MS	Barium, Total, ICAP/MS	93.700	92.700	UGL	1.1	(0-20)	

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QC Ref #399889 Thallium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Thallium, Total, ICAP/MS	20.0	19.1	UGL	95.5	(85-115)	
LCS2	Thallium, Total, ICAP/MS	20.0	19.0	UGL	95.0	(85-115)	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	1.01	UGL	101.0	(50-150)	
MS	Thallium, Total, ICAP/MS	20.0	17.8	UGL	89.0	(70-130)	
MS2	Thallium, Total, ICAP/MS	20.0	18.5	UGL	92.5	(70-130)	
MSD	Thallium, Total, ICAP/MS	20.0	17.7	UGL	88.5	(70-130)	
MSD2	Thallium, Total, ICAP/MS	20.0	18.6	UGL	93.0	(70-130)	
RPD_LCS	Thallium, Total, ICAP/MS	95.500	95.000	UGL	0.5	(0-20)	
RPD_MS	Thallium, Total, ICAP/MS	89.000	88.500	UGL	0.6	(0-20)	

QC Ref #399893 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11130602	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	11200794	UGL		(0-0)	
LCS1	Lead, Total, ICAP/MS	20	19.1	UGL	95.5	(85-115)	
LCS2	Lead, Total, ICAP/MS	20	19.1	UGL	95.5	(85-115)	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.506	UGL	101.2	(50-150)	
MS	Lead, Total, ICAP/MS	20	17.6	UGL	88.0	(70-130)	
MS2	Lead, Total, ICAP/MS	20	18.3	UGL	91.5	(70-130)	
MSD	Lead, Total, ICAP/MS	20	17.7	UGL	88.5	(70-130)	
MSD2	Lead, Total, ICAP/MS	20	18.4	UGL	92.0	(70-130)	
RPD_LCS	Lead, Total, ICAP/MS	95.500	95.500	UGL	0.0	(0-20)	
RPD_MS	Lead, Total, ICAP/MS	88.000	88.500	UGL	0.6	(0-20)	

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Tronox LLC - Henderson
(continued)

QC Ref #400605 Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	11050349	MGL		(0-0)	
CCC3	Fluoride	10.0	10.6	MGL	106.0	(81-116)	
CCCH	Fluoride	10.0	10.0	MGL	100.0	(81-116)	
CCCL	Fluoride	0.5	0.521	MGL	104.2	(81-116)	
CCCM	Fluoride	0.5	0.484	MGL	96.8	(81-116)	
CCCS	Fluoride	0.05	0.050	MGL	100.0	(50-150)	
LCS1	Fluoride	1.00	1.04	MGL	104.0	(81-116)	
LCS2	Fluoride	1.00	1.01	MGL	101.0	(81-116)	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.032	MGL	64.0	(50-150)	
MS	Fluoride	1.00	1.05	MGL	105.0	(73-124)	
MS2	Fluoride	1.00	1.01	MGL	101.0	(73-124)	
MSD	Fluoride	1.00	1.07	MGL	107.0	(73-124)	
MSD2	Fluoride	1.00	1.01	MGL	101.0	(73-124)	
RPD_LCS	Fluoride	104.000	101.000	MGL	2.9	(0-20)	
RPD_MS	Fluoride	105.000	107.000	MGL	1.9	(0-20)	

QC Ref #403296 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11090533	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	394	406	MGL		(0-10)	3.0
LCS1	Total Dissolved Solid (TDS)	175	152	MGL	86.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	684	MGL	97.7	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	86.857	97.714	MGL	11.8	(0-20)	

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are advisory only, unless otherwise specified in the method.