



# MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3829  
Tel: 626 386 1100  
Fax: 626 386 1101  
1 800 566 LABS (1 800 566 5227)

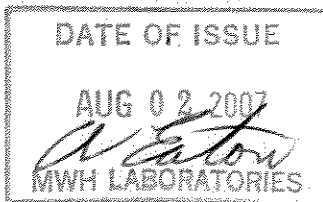
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton  
Project Manager



Report#: 209752  
Project: CLO4  
PO#: Susan Crowle

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



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August 2, 2007

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

Subject: Case Narrative report 209752

Enclosed is MWH Laboratories Report 209752

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on July 10, 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. None

Sincerely,

Andrew Eaton, PhD  
Project Manager



# CHAIN OF CUSTODY RECORD

209752

MONTGOMERY WATSON LABORATORIES

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

M/LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 20

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)

KERRMCGEE-MP

Wendy Prescott

LIC permit - Water Supply Profile 1

*Thomas McParland*  
Susan Crowley (702) 651-2234

Kerr-McGee Chemical LLC  
PO Box 65  
Henderson, NV 89009

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

SEE BOTTLE ORDER

SAMPLER  
COMMENTS

COMP

GRAB

MATRIX \*

IDENTIFIER, STATE ID#

LOCATION

DATE

10:00 7/9/2007

Stabilized Water

RSW

X

\* MATRIX TYPES:

Reported by Volume:

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

RGW = Raw Ground Water  
RSW = Raw Surface Water

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

Reported by Weight:

SO = Soil  
SL = Sludge

SIGNATURE

*Thomas McParland*  
*Wendy Prescott*

PRINT NAME

Wendy Prescott

COMPANY/TITLE

Veolia Water NA for Kerr-McGee Chemical LLC

MWT

TIME

1200pm

DATE

7/9/2007

7:10:07 10:00

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:

SCANNED



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

**Bottle Order for Kerr McGee Chemical Company - Henderson**  
 Standing

Address: Eaton..... Your MWL Project Manager  
 (626) 568-6425..... Direct Phone/Voice Mail

SO# 36098 12996 RS

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

Created by 0 Ship Sample Kits to  
 Order Date 05/09/07  
 Date Needed by Client  
 Date Samples to Arrive at MWL  
 SHIP LOCATION

Send Report to

Kerr McGee  
 8000 West Lake Mead Drive  
 Henderson, NV 89015

Billing Address

Kerr McGee Henderson Plant  
 P.O. Box 55  
 Henderson, NV 89009

ATTN: Susan Crowley  
 PHONE: 702-651-2234

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

Quote#

# 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 125ml poly +1 ml NaOH (25%)	UN 1824	
1	GEN MIN. METALS B	4:2 500ml poly +1 125ml poly no pres& 1 250ml acid rinsed+1ml HNO3	UN 2031	

Login use profile -  
 #KERRMO

(profile consists of:

- voapp, pb-ms, mg, mn-ms,
- clo4, ni-ms, ph, k, se-ms,
- wcn, ag-ms, na, so4, th-ms
- alk 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)

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

SCANNED

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

SHIPPER'S NUMBER: 142671

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.

SCANNED

CARRIER <b>Federal Express</b>		Date <b>07/09/07</b>	FROM NO. STATION: STATE <b>Henderson, NV 89015</b>
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization <b>S. CROWLEY</b>	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC	
N/AR		CUSTOMER PO OR REQ'N NO.	CODE NO. WCN IS <b>1321.10400</b> If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.
SHIPPED FROM <b>Henderson, NV</b>			
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	<b>Ice Chest with water samples Stabilized Water. Not Regulated</b>		<b>1 COOLER</b>
			Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement: The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. <b>TRONOX LLC</b>
			The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.
TRUCK SHIPMENTS			
PLACARDS OFFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PLACARDS ACCEPTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT 800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.			
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		<b>0</b>	
<b>1</b>	TOTAL GROSS WEIGHT <b>21</b>	TOTAL TARE WEIGHT <b>0</b>	<b>21</b>
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			"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"
THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.			
TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859 Oklahoma City, OK 73126-8859	PER <b>Judi Durkin</b>	AGENT	PER

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



Ship Date: 09JUL07  
Act/Wgt: 21 LB  
System#: 2274147/INET2600  
Account#: S \*\*\*\*\*

Delivery Address Bar Code

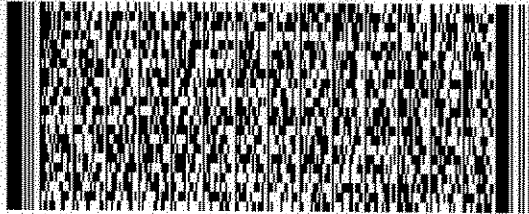


Ref # MSO #142671 - 21.0 lbs.  
Invoice #  
PO #  
Dept #

SHIP TO: (626)568-6400 **BILL SENDER**  
**ATTN: SAMPLE RECEIVING**  
**MONTGOMERY WATSON LABS**  
**750 ROYAL OAKS DR # 100**  
  
**MONROVIA, CA 910163629**

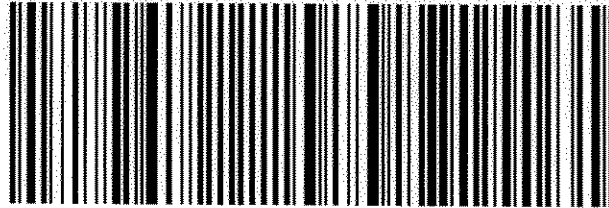
TRK# 7907 7906 5317  
0201

**TUE - 10JUL A2**  
**PRIORITY OVERNIGHT**



**QZ-WHPA**

**BUR**  
**CA-US**  
**91016**



SCANNED

Shipping Label: Your shipment is complete

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

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

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

**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#: 209752  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **07/10/07**. 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		
2707100610	STABILIZED WATER		Water	09-jul-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
	P	PB-MS	PH	SB-MS	SE-MS	SO4
	T	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 Box 55  
Henderson, NV 89009  
Attn: Susan Crowley  
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP  
PO#: Susan Crowley PO  
Group#: 209752  
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
P	Metals sample pH
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
T	Metals Turbidity
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  
#209752

## 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: \_\_\_\_\_

(QC Ref#: 2707100610)

Test: Fluoride (SM 4500F-C)

over 20 samples in a batch. We will rerun this sample with other batch



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Laboratory  
Hits Report  
#209752

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

Samples Received  
10-jul-2007 17:59:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707100610	STABILIZED WATER				
07/18/07		Chloroform (Trichloromethane)	1.1		ug/l	0.5
07/18/07		Dibromochloromethane	0.9		ug/l	0.5
07/18/07		Dichlorobromomethane	1.0		ug/l	0.5
07/11/07		Alkalinity in CaCO3 units	136		mg/l	2.0
07/11/07		Aluminum, Total, ICAP/MS	30	200	ug/l	20
07/16/07		Anion Sum - Calculated	11		meq/l	0.0050
07/11/07		Arsenic, Total, ICAP/MS	1.9	10	ug/l	1.0
07/11/07		Barium, Total, ICAP/MS	150	2000	ug/l	2.0
07/16/07		Bicarb. Alkalinity as HCO3, calc	170		mg/l	2.0
07/11/07		Boron, Total, ICAP	0.15		mg/l	0.050
07/11/07		Calcium, Total, ICAP	77		mg/l	1.0
07/13/07		Cation Sum - Calculated	11		meq/l	0.0010
07/10/07		Chloride	94	250	mg/l	5.0
07/11/07		Fluoride	0.36	4	mg/l	0.050
07/11/07		Iron, Total, ICAP	0.054	0.3	mg/l	0.020
07/11/07		Magnesium, Total, ICAP	30		mg/l	0.10
07/11/07		PH (H3=past HT, not compliant)	7.7	6.5-8.5	Units	0.010
07/12/07		Perchlorate	6.4		ug/l	4.0
07/11/07		Potassium, Total, ICAP	5.5		mg/l	1.0
07/11/07		Sodium, Total, ICAP	96		mg/l	1.0
07/11/07		Specific Conductance	998		umho/cm	2.0
07/10/07		Sulfate	270	250	mg/l	2.5
07/11/07		Total Dissolved Solid (TDS)	718	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Data Report  
#209752

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

Samples Received  
07/10/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>STABILIZED WATER (2707100610)</b>				<b>Sampled on 07/09/07 10:00</b>				
	07/11/07 11:25	375829	( ML/EPA 200.8 )	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	07/11/07 11:25	375834	( ML/EPA 200.8 )	Aluminum, Total, ICAP/MS	30	ug/l	20	1
	07/11/07 18:35	376384	( SM2320B/ 310.1 )	Alkalinity in CaCO3 units	136	mg/l	2.0	1
	07/16/07 13:24	376461	( ML/SM1030E )	Anion Sum - Calculated	11	meq/l	0.0050	5
	07/11/07 11:25	375822	( ML/EPA 200.8 )	Arsenic, Total, ICAP/MS	1.9	ug/l	1.0	1
	07/11/07 21:07	375906	( ML/EPA 200.7 )	Boron, Total, ICAP	0.15	mg/l	0.050	1
	07/11/07 11:25	375836	( ML/EPA 200.8 )	Barium, Total, ICAP/MS	150	ug/l	2.0	1
	07/11/07 11:25	375813	( ML/EPA 200.8 )	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	07/11/07 21:07	375915	( ML/EPA 200.7 )	Calcium, Total, ICAP	77	mg/l	1.0	1
	07/13/07 15:00	376225	( ML/SM1030E )	Cation Sum - Calculated	11	meq/l	0.0010	1
	07/11/07 11:25	375831	( ML/EPA 200.8 )	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	07/10/07 20:13	375798	( ML/EPA 300.0 )	Chloride	94	mg/l	5.0	5
	07/12/07 10:15	376254	( EPA 314 )	Perchlorate	6.4	ug/l	4.0	1
	07/16/07 13:24	376461	( SM2330B )	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	07/11/07 11:25	375847	( ML/EPA 200.8 )	Chromium, Total, ICAP/MS	ND	ug/l	1.0	1
	07/11/07 11:25	375818	( ML/EPA 200.8 )	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	07/11/07 00:00	375855	( SM2510B )	Specific Conductance	998	umho/cm	2.0	1
	07/11/07 00:00	376168	( SM 4500F-C )	Fluoride	0.36	mg/l	0.050	1
	07/11/07 21:07	375897	( ML/EPA 200.7 )	Iron, Total, ICAP	0.054	mg/l	0.020	1
	07/16/07 13:24	376461	( SM2330B )	Bicarb. Alkalinity as HCO3, calc	170	mg/l	2.0	1
	07/13/07 12:28	376466	( ML/EPA 245.1 )	Mercury	ND	ug/l	0.20	1
	07/11/07 21:07	375900	( ML/EPA 200.7 )	Potassium, Total, ICAP	5.5	mg/l	1.0	1
	07/11/07 21:07	375903	( ML/EPA 200.7 )	Magnesium, Total, ICAP	30	mg/l	0.10	1
	07/11/07 11:25	375850	( ML/EPA 200.8 )	Manganese, Total, ICAP/MS	ND	ug/l	2.0	1
	07/11/07 21:07	375910	( ML/EPA 200.7 )	Sodium, Total, ICAP	96	mg/l	1.0	1
	07/11/07 16:30	375810	( ML/EPA 200.8 )	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	07/10/07 20:13	375802	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	ND	mg/l	0.50	5
	07/12/07 17:50	376077	( SM2330B )	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	07/11/07 11:25	375840	( ML/EPA 200.8 )	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	07/11/07 15:25	375756	( SM4500-HB )	PH (H3-past HT, not compliant)	7.7	Units	0.010	1
	07/11/07 11:25	375833	( ML/EPA 200.8 )	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	07/11/07 11:25	375825	( ML/EPA 200.8 )	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1



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1 800 566 LABS (1 800 566 5227)

Laboratory  
Data Report  
#209752

Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	07/10/07 20:13	375804	( ML/EPA 300.0 )	Sulfate	270	mg/l	2.5	5
07/11/07	07/11/07 15:30	376391	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	718	mg/l	10	1
	07/11/07 11:25	375838	( ML/EPA 200.8 )	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
07/11/07	07/13/07 00:00	376220	( SM4500CN-I )	Weak Acid Dissociable Cyanide	ND	mg/l	0.0050	1
	07/11/07 21:07	376465	( EPA/ML 200.7 )	Zinc, Total, ICAP	ND	mg/l	0.020	1
<b>Volatile Organics HSL</b>								
	07/18/07 19:37	377564	( ML 624 )	1,1,2-Trichloroethane (1,1,2-T)	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	1,1-Dichloroethane	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	1,2-Dichloroethane	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	1,2-Dichloropropane	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	2-Butanone (MEK)	ND	ug/l	10	1
	07/18/07 19:37	377564	( ML 624 )	2-Hexanone	ND	ug/l	10	1
	07/18/07 19:37	377564	( ML 624 )	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	07/18/07 19:37	377564	( ML 624 )	Acetone	ND	ug/l	10	1
	07/18/07 19:37	377564	( ML 624 )	Acrolein (Screen)	ND	ug/l	50	1
	07/18/07 19:37	377564	( ML 624 )	Acrylonitrile (Screen)	ND	ug/l	50	1
	07/18/07 19:37	377564	( ML 624 )	Benzene	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	cis-1,2-Dichloroethene	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Chlorobenzene	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	cis-1,3-Dichloropropane	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Bromoform	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Chloroform (Trichloromethane)	1.1	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Chloroethane	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Carbon disulfide	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Carbon Tetrachloride	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Dibromochloromethane	0.9	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Dichlorobromomethane	1.0	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Ethyl benzene	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Dichlorodifluoromethane	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Methyl Bromide	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624 )	Methyl Chloride	ND	ug/l	0.5	1



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Laboratory  
Data Report  
#209752

Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	07/18/07 19:37	377564	( ML 624	) Methylene Chloride	ND	ug/l	3.0	1
	07/18/07 19:37	377564	( ML 624	) m,p-Xylenes	ND	ug/l	1.0	1
	07/18/07 19:37	377564	( ML 624	) o-Xylene	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) Tetrachloroethylene (PCE)	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) Styrene	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) trans-1,2-Dichloroethene	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) 1,1,1-Trichloroethane	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) Trichloroethylene (TCE)	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) Trichlorofluoromethane	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) trans-1,3-Dichloropropene	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) Tetrahydrofuran	ND	ug/l	10	1
	07/18/07 19:37	377564	( ML 624	) Toluene	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) Vinyl Chloride (VC)	ND	ug/l	0.5	1
	07/18/07 19:37	377564	( ML 624	) Vinyl Acetate	ND	ug/l	10	1
			( ML 624	) 1,2-Dichloroethane-d4 (80-120)	106	% Rec		
			( ML 624	) 4-Bromofluorobenzene (86-115)	95	% Rec		
			( ML 624	) Toluene-d8 (88-110)	97	% Rec		



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QC Ref #375756 - PH (H3=past HT, not compliant) Analysis Date: 07/11/2007

2707100610 STABILIZED WATER Analyzed by: faj

QC Ref #375798 - Chloride Analysis Date: 07/10/2007

2707100610 STABILIZED WATER Analyzed by: jkz

QC Ref #375802 - Nitrate as Nitrogen by IC Analysis Date: 07/10/2007

2707100610 STABILIZED WATER Analyzed by: jkz

QC Ref #375804 - Sulfate Analysis Date: 07/10/2007

2707100610 STABILIZED WATER Analyzed by: jkz

QC Ref #375810 - Nickel, Total, ICAP/MS Analysis Date: 07/11/2007

2707100610 STABILIZED WATER Analyzed by: dyh

QC Ref #375813 - Beryllium, Total, ICAP/MS Analysis Date: 07/11/2007

2707100610 STABILIZED WATER Analyzed by: dtn

QC Ref #375818 - Copper, Total, ICAP/MS Analysis Date: 07/11/2007

2707100610 STABILIZED WATER Analyzed by: dtn

QC Ref #375822 - Arsenic, Total, ICAP/MS Analysis Date: 07/11/2007

2707100610 STABILIZED WATER Analyzed by: dtn



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#209752

Tronox LLC - Henderson  
(continued)

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QC Ref #375825 - Selenium, Total, ICAP/MS	Analysis Date: 07/11/2007
2707100610 STABILIZED WATER	Analyzed by: dtn
QC Ref #375829 - Silver, Total, ICAP/MS	Analysis Date: 07/11/2007
2707100610 STABILIZED WATER	Analyzed by: dtn
QC Ref #375831 - Cadmium, Total, ICAP/MS	Analysis Date: 07/11/2007
2707100610 STABILIZED WATER	Analyzed by: dtn
QC Ref #375833 - Antimony, Total, ICAP/MS	Analysis Date: 07/11/2007
2707100610 STABILIZED WATER	Analyzed by: dtn
QC Ref #375834 - Aluminum, Total, ICAP/MS	Analysis Date: 07/11/2007
2707100610 STABILIZED WATER	Analyzed by: dtn
QC Ref #375836 - Barium, Total, ICAP/MS	Analysis Date: 07/11/2007
2707100610 STABILIZED WATER	Analyzed by: dtn
QC Ref #375838 - Thallium, Total, ICAP/MS	Analysis Date: 07/11/2007
2707100610 STABILIZED WATER	Analyzed by: dtn
QC Ref #375840 - Lead, Total, ICAP/MS	Analysis Date: 07/11/2007
2707100610 STABILIZED WATER	Analyzed by: dtn



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Tronox LLC - Henderson  
(continued)

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QC Ref #375847	- Chromium, Total, ICAP/MS	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: dtn
QC Ref #375850	- Manganese, Total, ICAP/MS	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: dtn
QC Ref #375855	- Specific Conductance	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: sar
QC Ref #375897	- Iron, Total, ICAP	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: wbh
QC Ref #375900	- Potassium, Total, ICAP	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: wbh
QC Ref #375903	- Magnesium, Total, ICAP	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: wbh
QC Ref #375906	- Boron, Total, ICAP	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: wbh
QC Ref #375910	- Sodium, Total, ICAP	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: wbh





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#209752

Tronox LLC - Henderson  
(continued)

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QC Ref #375915	- Calcium, Total, ICAP	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: wbh
QC Ref #376077	- Hydroxide as OH, Calculated	Analysis Date: 07/12/2007
2707100610	STABILIZED WATER	Analyzed by: dwr
QC Ref #376168	- Fluoride	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: faj
QC Ref #376220	- Weak Acid Dissociable Cyanide	Analysis Date: 07/13/2007
2707100610	STABILIZED WATER	Analyzed by: lupe
QC Ref #376225	- Cation Sum - Calculated	Analysis Date: 07/13/2007
2707100610	STABILIZED WATER	Analyzed by: dwr
QC Ref #376254	- Perchlorate	Analysis Date: 07/12/2007
2707100610	STABILIZED WATER	Analyzed by: raja
QC Ref #376384	- Alkalinity in CaCO3 units	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: axa
QC Ref #376391	- Total Dissolved Solid (TDS)	Analysis Date: 07/11/2007
2707100610	STABILIZED WATER	Analyzed by: yvette



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QC Summary  
#209752

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(continued)

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QC Ref #376461 - Anion Sum - Calculated	Analysis Date: 07/16/2007
2707100610 STABILIZED WATER	Analyzed by: dwr
2707100610 STABILIZED WATER	Analyzed by: dwr
2707100610 STABILIZED WATER	Analyzed by: dwr
2707100610 STABILIZED WATER	Analyzed by: dwr
QC Ref #376465 - Zinc, Total, ICAP	Analysis Date: 07/11/2007
2707100610 STABILIZED WATER	Analyzed by: wbh
QC Ref #376466 - Mercury	Analysis Date: 07/13/2007
2707100610 STABILIZED WATER	Analyzed by: dyh
QC Ref #377564 - Volatile Organics HSL	Analysis Date: 07/18/2007
2707100610 STABILIZED WATER	Analyzed by: kcp



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## QC Ref #375756 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07090212	UNIT		( 0-0 )	
DUP	PH (H3=past HT, not compliant)	7.36	7.35	UNIT		( 0-20 )	0.1

## QC Ref #375798 Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100114	MGL		( 0-0 )	
LCS1	Chloride	25	26.1	MGL	104.4	( 90-110 )	
LCS2	Chloride	25	25.2	MGL	100.8	( 90-110 )	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.451	MGL	90.2	( 50-150 )	
MS	Chloride	12.5	13.3	MGL	106.4	( 74-126 )	
MSD	Chloride	12.5	13.0	MGL	104.0	( 74-126 )	
RPD_LCS	Chloride	104.400	100.800	MGL	3.5	( 0-20 )	
RPD_MS	Chloride	106.400	104.000	MGL	2.3	( 0-20 )	

## QC Ref #375802 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100114	MGL		( 0-0 )	
LCS1	Nitrate as Nitrogen by IC	2.5	2.53	MGL	101.2	( 90-110 )	
LCS2	Nitrate as Nitrogen by IC	2.5	2.43	MGL	97.2	( 90-110 )	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0470	MGL	94.0	( 50-150 )	
MS	Nitrate as Nitrogen by IC	1.25	1.26	MGL	100.8	( 80-112 )	
MSD	Nitrate as Nitrogen by IC	1.25	1.23	MGL	98.4	( 80-112 )	
RPD_LCS	Nitrate as Nitrogen by IC	101.200	97.200	MGL	4.0	( 0-20 )	
RPD_MS	Nitrate as Nitrogen by IC	100.800	98.400	MGL	2.4	( 0-20 )	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
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## QC Ref #375804 Sulfate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100114	MGL		( 0-0 )	
LCS1	Sulfate	50	52.8	MGL	105.6	( 90-110 )	
LCS2	Sulfate	50	50.4	MGL	100.8	( 90-110 )	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	1.00	0.937	MGL	93.7	( 50-150 )	
MS	Sulfate	25	25.9	MGL	103.6	( 83-115 )	
MSD	Sulfate	25	25.3	MGL	101.2	( 83-115 )	
RPD_LCS	Sulfate	105.600	100.800	MGL	4.7	( 0-20 )	
RPD_MS	Sulfate	103.600	101.200	MGL	2.3	( 0-20 )	

## QC Ref #375810 Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Nickel, Total, ICAP/MS	50	52.3	UGL	104.6	( 85-115 )	
LCS2	Nickel, Total, ICAP/MS	50	53.3	UGL	106.6	( 85-115 )	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	5.34	UGL	106.8	( 50-150 )	
MS	Nickel, Total, ICAP/MS	50	50.6	UGL	101.2	( 70-130 )	
MS2	Nickel, Total, ICAP/MS	50	48.6	UGL	97.2	( 70-130 )	
MSD	Nickel, Total, ICAP/MS	50	49.5	UGL	99.0	( 70-130 )	
MSD2	Nickel, Total, ICAP/MS	50	48.9	UGL	97.8	( 70-130 )	
RPD_LCS	Nickel, Total, ICAP/MS	104.600	106.600	UGL	1.9	( 0-20 )	
RPD_MS	Nickel, Total, ICAP/MS	101.200	99.000	UGL	2.2	( 0-20 )	

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## QC Ref #375813      Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Beryllium, Total, ICAP/MS	5.00	5.07	UGL	101.4	( 85-115 )	
LCS2	Beryllium, Total, ICAP/MS	5.00	5.09	UGL	101.8	( 85-115 )	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	0.949	UGL	94.9	( 50-150 )	
MS	Beryllium, Total, ICAP/MS	5.00	4.97	UGL	99.4	( 70-130 )	
MS2	Beryllium, Total, ICAP/MS	5.00	4.95	UGL	99.0	( 70-130 )	
MSD	Beryllium, Total, ICAP/MS	5.00	4.99	UGL	99.8	( 70-130 )	
MSD2	Beryllium, Total, ICAP/MS	5.00	4.89	UGL	97.8	( 70-130 )	
RPD_LCS	Beryllium, Total, ICAP/MS	101.400	101.800	UGL	0.4	( 0-20 )	
RPD_MS	Beryllium, Total, ICAP/MS	99.400	99.800	UGL	0.4	( 0-20 )	

## QC Ref #375818      Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Copper, Total, ICAP/MS	100	99.1	UGL	99.1	( 85-115 )	
LCS2	Copper, Total, ICAP/MS	100	101	UGL	101.0	( 85-115 )	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	1.88	UGL	94.0	( 50-150 )	
MS	Copper, Total, ICAP/MS	100	94.1	UGL	94.1	( 70-130 )	
MS2	Copper, Total, ICAP/MS	100	88.2	UGL	88.2	( 70-130 )	
MSD	Copper, Total, ICAP/MS	100	92.0	UGL	92.0	( 70-130 )	
MSD2	Copper, Total, ICAP/MS	100	87.8	UGL	87.8	( 70-130 )	
RPD_LCS	Copper, Total, ICAP/MS	99.100	101.000	UGL	1.9	( 0-20 )	
RPD_MS	Copper, Total, ICAP/MS	94.100	92.000	UGL	2.3	( 0-20 )	

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## QC Ref #375822      Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Arsenic, Total, ICAP/MS	20	19.9	UGL	99.5	( 85-115 )	
LCS2	Arsenic, Total, ICAP/MS	20	20.3	UGL	101.5	( 85-115 )	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	0.916	UGL	91.6	( 50-150 )	
MS	Arsenic, Total, ICAP/MS	20	20.1	UGL	100.5	( 70-130 )	
MS2	Arsenic, Total, ICAP/MS	20	19.6	UGL	98.0	( 70-130 )	
MSD	Arsenic, Total, ICAP/MS	20	19.8	UGL	99.0	( 70-130 )	
MSD2	Arsenic, Total, ICAP/MS	20	19.7	UGL	98.5	( 70-130 )	
RPD_LCS	Arsenic, Total, ICAP/MS	99.500	101.500	UGL	2.0	( 0-20 )	
RPD_MS	Arsenic, Total, ICAP/MS	100.500	99.000	UGL	1.5	( 0-20 )	

## QC Ref #375825      Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Selenium, Total, ICAP/MS	20	19.5	UGL	97.5	( 85-115 )	
LCS2	Selenium, Total, ICAP/MS	20	20.7	UGL	103.5	( 85-115 )	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	4.58	UGL	91.6	( 50-150 )	
MS	Selenium, Total, ICAP/MS	20	21.2	UGL	106.0	( 70-130 )	
MS2	Selenium, Total, ICAP/MS	20	20.4	UGL	102.0	( 70-130 )	
MSD	Selenium, Total, ICAP/MS	20	20.8	UGL	104.0	( 70-130 )	
MSD2	Selenium, Total, ICAP/MS	20	20.3	UGL	101.5	( 70-130 )	
RPD_LCS	Selenium, Total, ICAP/MS	97.500	103.500	UGL	6.0	( 0-20 )	
RPD_MS	Selenium, Total, ICAP/MS	106.000	104.000	UGL	1.9	( 0-20 )	

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#209752

Tronox LLC - Henderson  
(continued)

## QC Ref #375829 Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Silver, Total, ICAP/MS	50	51.3	UGL	102.6	( 85-115 )	
LCS2	Silver, Total, ICAP/MS	50	52.9	UGL	105.8	( 85-115 )	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.426	UGL	85.2	( 50-150 )	
MS	Silver, Total, ICAP/MS	50	50.1	UGL	100.2	( 70-130 )	
MS2	Silver, Total, ICAP/MS	50	46.8	UGL	93.6	( 70-130 )	
MSD	Silver, Total, ICAP/MS	50	49.0	UGL	98.0	( 70-130 )	
MSD2	Silver, Total, ICAP/MS	50	45.2	UGL	90.4	( 70-130 )	
RPD_LCS	Silver, Total, ICAP/MS	102.600	105.800	UGL	3.1	( 0-20 )	
RPD_MS	Silver, Total, ICAP/MS	100.200	98.000	UGL	2.2	( 0-20 )	

## QC Ref #375831 Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Cadmium, Total, ICAP/MS	20	19.9	UGL	99.5	( 85-115 )	
LCS2	Cadmium, Total, ICAP/MS	20	20.4	UGL	102.0	( 85-115 )	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.390	UGL	78.0	( 50-150 )	
MS	Cadmium, Total, ICAP/MS	20	19.4	UGL	97.0	( 70-130 )	
MS2	Cadmium, Total, ICAP/MS	20	18.8	UGL	94.0	( 70-130 )	
MSD	Cadmium, Total, ICAP/MS	20	19.1	UGL	95.5	( 70-130 )	
MSD2	Cadmium, Total, ICAP/MS	20	18.6	UGL	93.0	( 70-130 )	
RPD_LCS	Cadmium, Total, ICAP/MS	99.500	102.000	UGL	2.5	( 0-20 )	
RPD_MS	Cadmium, Total, ICAP/MS	97.000	95.500	UGL	1.6	( 0-20 )	

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QC Report  
#209752

Tronox LLC - Henderson  
(continued)

## QC Ref #375833 Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Antimony, Total, ICAP/MS	50	50.8	UGL	101.6	( 85-115 )	
LCS2	Antimony, Total, ICAP/MS	50	52.6	UGL	105.2	( 85-115 )	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.05	UGL	105.0	( 50-150 )	
MS	Antimony, Total, ICAP/MS	50	51.7	UGL	103.4	( 70-130 )	
MS2	Antimony, Total, ICAP/MS	50	50.1	UGL	100.2	( 70-130 )	
MSD	Antimony, Total, ICAP/MS	50	50.6	UGL	101.2	( 70-130 )	
MSD2	Antimony, Total, ICAP/MS	50	49.8	UGL	99.6	( 70-130 )	
RPD_LCS	Antimony, Total, ICAP/MS	101.600	105.200	UGL	3.5	( 0-20 )	
RPD_MS	Antimony, Total, ICAP/MS	103.400	101.200	UGL	2.2	( 0-20 )	

## QC Ref #375834 Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Aluminum, Total, ICAP/MS	200	195	UGL	97.5	( 85-115 )	
LCS2	Aluminum, Total, ICAP/MS	200	200	UGL	100.0	( 85-115 )	
MBLK	Aluminum, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Aluminum, Total, ICAP/MS	25.000	18.3	UGL	73.2	( 50-150 )	
MS	Aluminum, Total, ICAP/MS	200	194	UGL	97.0	( 70-130 )	
MS2	Aluminum, Total, ICAP/MS	200	181	UGL	90.5	( 70-130 )	
MSD	Aluminum, Total, ICAP/MS	200	190	UGL	95.0	( 70-130 )	
MSD2	Aluminum, Total, ICAP/MS	200	183	UGL	91.5	( 70-130 )	
RPD_LCS	Aluminum, Total, ICAP/MS	97.500	100.000	UGL	2.5	( 0-20 )	
RPD_MS	Aluminum, Total, ICAP/MS	97.000	95.000	UGL	2.1	( 0-20 )	

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#209752

Tronox LLC - Henderson  
(continued)

## QC Ref #375836 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Barium, Total, ICAP/MS	100	98.1	UGL	98.1	( 85-115 )	
LCS2	Barium, Total, ICAP/MS	100	101	UGL	101.0	( 85-115 )	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	1.95	UGL	97.5	( 50-150 )	
MS	Barium, Total, ICAP/MS	100	101	UGL	101.0	( 70-130 )	
MS2	Barium, Total, ICAP/MS	100	94.8	UGL	94.8	( 70-130 )	
MSD	Barium, Total, ICAP/MS	100	97.2	UGL	97.2	( 70-130 )	
MSD2	Barium, Total, ICAP/MS	100	94.0	UGL	94.0	( 70-130 )	
RPD_LCS	Barium, Total, ICAP/MS	98.100	101.000	UGL	2.9	( 0-20 )	
RPD_MS	Barium, Total, ICAP/MS	101.000	97.200	UGL	3.8	( 0-20 )	

## QC Ref #375838 Thallium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Thallium, Total, ICAP/MS	20.0	21.1	UGL	105.5	( 85-115 )	
LCS2	Thallium, Total, ICAP/MS	20.0	21.7	UGL	108.5	( 85-115 )	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	0.991	UGL	99.1	( 50-150 )	
MS	Thallium, Total, ICAP/MS	20.0	19.5	UGL	97.5	( 70-130 )	
MS2	Thallium, Total, ICAP/MS	20.0	19.5	UGL	97.5	( 70-130 )	
MSD	Thallium, Total, ICAP/MS	20.0	19.2	UGL	96.0	( 70-130 )	
MSD2	Thallium, Total, ICAP/MS	20.0	19.3	UGL	96.5	( 70-130 )	
RPD_LCS	Thallium, Total, ICAP/MS	105.500	108.500	UGL	2.8	( 0-20 )	
RPD_MS	Thallium, Total, ICAP/MS	97.500	96.000	UGL	1.6	( 0-20 )	

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#209752

Tronox LLC - Henderson  
(continued)

## QC Ref #375840      Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Lead, Total, ICAP/MS	20	20.7	UGL	103.5	( 85-115 )	
LCS2	Lead, Total, ICAP/MS	20	21.1	UGL	105.5	( 85-115 )	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.468	UGL	93.6	( 50-150 )	
MS	Lead, Total, ICAP/MS	20	19.2	UGL	96.0	( 70-130 )	
MS2	Lead, Total, ICAP/MS	20	18.7	UGL	93.5	( 70-130 )	
MSD	Lead, Total, ICAP/MS	20	19.0	UGL	95.0	( 70-130 )	
MSD2	Lead, Total, ICAP/MS	20	18.6	UGL	93.0	( 70-130 )	
RPD_LCS	Lead, Total, ICAP/MS	103.500	105.500	UGL	1.9	( 0-20 )	
RPD_MS	Lead, Total, ICAP/MS	96.000	95.000	UGL	1.0	( 0-20 )	

## QC Ref #375847      Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Chromium, Total, ICAP/MS	100	98.0	UGL	98.0	( 85-115 )	
LCS2	Chromium, Total, ICAP/MS	100	100	UGL	100.0	( 85-115 )	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	0.948	UGL	94.8	( 50-150 )	
MS	Chromium, Total, ICAP/MS	100	95.7	UGL	95.7	( 70-130 )	
MS2	Chromium, Total, ICAP/MS	100	92.1	UGL	92.1	( 70-130 )	
MSD	Chromium, Total, ICAP/MS	100	93.7	UGL	93.7	( 70-130 )	
MSD2	Chromium, Total, ICAP/MS	100	91.7	UGL	91.7	( 70-130 )	
RPD_LCS	Chromium, Total, ICAP/MS	98.000	100.000	UGL	2.0	( 0-20 )	
RPD_MS	Chromium, Total, ICAP/MS	95.700	93.700	UGL	2.1	( 0-20 )	

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 #209752

Tronox LLC - Henderson  
 (continued)

## QC Ref #375850 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100361	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	07100383	UGL		( 0-0 )	
LCS1	Manganese, Total, ICAP/MS	50	49.3	UGL	98.6	( 85-115 )	
LCS2	Manganese, Total, ICAP/MS	50	50.7	UGL	101.4	( 85-115 )	
MBLK	Manganese, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Manganese, Total, ICAP/MS	2.000	1.86	UGL	93.0	( 50-150 )	
MS	Manganese, Total, ICAP/MS	50	46.9	UGL	93.8	( 70-130 )	
MS2	Manganese, Total, ICAP/MS	50	45.6	UGL	91.2	( 70-130 )	
MSD	Manganese, Total, ICAP/MS	50	46.2	UGL	92.4	( 70-130 )	
MSD2	Manganese, Total, ICAP/MS	50	45.6	UGL	91.2	( 70-130 )	
RPD_LCS	Manganese, Total, ICAP/MS	98.600	101.400	UGL	2.8	( 0-20 )	
RPD_MS	Manganese, Total, ICAP/MS	93.800	92.400	UGL	1.5	( 0-20 )	

## QC Ref #375855 Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	563	566	UMHO		( 0-20 )	0.5
DUP2	Specific Conductance	998	1003	UMHO		( 0-20 )	0.5
LCS1	Specific Conductance	1000	964	UMHO	96.4	( 90-110 )	
LCS2	Specific Conductance	1000	968	UMHO	96.8	( 90-110 )	
MBLK	Specific Conductance	ND	<2.0	UMHO			
MRL_CHK	Specific Conductance	2.00	1.70	UMHO	85.0	( 50-150 )	

## QC Ref #375897 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	5.05	MGL	101.0	( 85-115 )	
LCS2	Iron, Total, ICAP	5.0	5.18	MGL	103.6	( 85-115 )	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			

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#209752

## Tronox LLC - Henderson (continued)

MRL_CHK	Analyte	0.020	0.0227	MGL	113.5	( 50-150 )
MS	Iron, Total, ICAP	5.0	5.22	MGL	104.4	( 70-130 )
MS2	Iron, Total, ICAP	5.0	5.20	MGL	104.0	( 70-130 )
MSD	Iron, Total, ICAP	5.0	5.09	MGL	101.8	( 70-130 )
MSD2	Iron, Total, ICAP	5.0	5.16	MGL	103.2	( 70-130 )
RPD_LCS	Iron, Total, ICAP	101.000	103.600	MGL	2.5	( 0-20 )
RPD_MS	Iron, Total, ICAP	104.400	101.800	MGL	2.5	( 0-20 )

### QC Ref #375900 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	18.9	MGL	94.5	( 85-115 )	
LCS2	Potassium, Total, ICAP	20	19.2	MGL	96.0	( 85-115 )	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	0.916	MGL	91.6	( 50-150 )	
MS	Potassium, Total, ICAP	20	21.7	MGL	108.5	( 70-130 )	
MS2	Potassium, Total, ICAP	20	20.2	MGL	101.0	( 70-130 )	
MSD	Potassium, Total, ICAP	20	20.9	MGL	104.5	( 70-130 )	
MSD2	Potassium, Total, ICAP	20	20.3	MGL	101.5	( 70-130 )	
RPD_LCS	Potassium, Total, ICAP	94.500	96.000	MGL	1.6	( 0-20 )	
RPD_MS	Potassium, Total, ICAP	108.500	104.500	MGL	3.8	( 0-20 )	

### QC Ref #375903 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	20.4	MGL	102.0	( 85-115 )	
LCS2	Magnesium, Total, ICAP	20	20.5	MGL	102.5	( 85-115 )	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.111	MGL	111.0	( 50-150 )	
MS	Magnesium, Total, ICAP	20	19.6	MGL	98.0	( 70-130 )	
MS2	Magnesium, Total, ICAP	20	19.5	MGL	97.5	( 70-130 )	
MSD	Magnesium, Total, ICAP	20	19.5	MGL	97.5	( 70-130 )	
MSD2	Magnesium, Total, ICAP	20	19.4	MGL	97.0	( 70-130 )	
RPD_LCS	Magnesium, Total, ICAP	102.000	102.500	MGL	0.5	( 0-20 )	

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QC Report  
#209752

Tronox LLC - Henderson  
(continued)

RPD\_MS      Magnesium, Total, ICAP      98.000      97.500      MGL      0.5      ( 0-20 )

**QC Ref #375906      Boron, Total, ICAP**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.486	MGL	97.2	( 85-115 )	
LCS2	Boron, Total, ICAP	0.5	0.497	MGL	99.4	( 85-115 )	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.0611	MGL	122.2	( 50-150 )	
MS	Boron, Total, ICAP	0.5	0.480	MGL	96.0	( 70-130 )	
MS2	Boron, Total, ICAP	0.5	0.493	MGL	98.6	( 70-130 )	
MSD	Boron, Total, ICAP	0.5	0.483	MGL	96.6	( 70-130 )	
MSD2	Boron, Total, ICAP	0.5	0.508	MGL	101.6	( 70-130 )	
RPD_LCS	Boron, Total, ICAP	97.200	99.400	MGL	2.2	( 0-20 )	
RPD_MS	Boron, Total, ICAP	96.000	96.600	MGL	0.6	( 0-20 )	

**QC Ref #375910      Sodium, Total, ICAP**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	46.1	MGL	92.2	( 85-115 )	
LCS2	Sodium, Total, ICAP	50	47.0	MGL	94.0	( 85-115 )	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	0.747	MGL	74.7	( 50-150 )	
MS	Sodium, Total, ICAP	50	48.2	MGL	96.4	( 70-130 )	
MS2	Sodium, Total, ICAP	50	47.8	MGL	95.6	( 70-130 )	
MSD	Sodium, Total, ICAP	50	42.7	MGL	85.4	( 70-130 )	
MSD2	Sodium, Total, ICAP	50	47.1	MGL	94.2	( 70-130 )	
RPD_LCS	Sodium, Total, ICAP	92.200	94.000	MGL	1.9	( 0-20 )	
RPD_MS	Sodium, Total, ICAP	96.400	85.400	MGL	12.1	( 0-20 )	

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Laboratory  
QC Report  
#209752

Tronox LLC - Henderson  
(continued)

QC Ref #375915      Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	49.5	MGL	99.0	( 85-115 )	
LCS2	Calcium, Total, ICAP	50	49.6	MGL	99.2	( 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	47.7	MGL	95.4	( 70-130 )	
MS2	Calcium, Total, ICAP	50	46.8	MGL	93.6	( 70-130 )	
MSD	Calcium, Total, ICAP	50	47.7	MGL	95.4	( 70-130 )	
MSD2	Calcium, Total, ICAP	50	46.5	MGL	93.0	( 70-130 )	
RPD_LCS	Calcium, Total, ICAP	99.000	99.200	MGL	0.2	( 0-20 )	
RPD_MS	Calcium, Total, ICAP	95.400	95.400	MGL	0.0	( 0-20 )	

QC Ref #376168      Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	07100065	MGL		( 0-0 )	
CCC3	Fluoride	10.0	10.135	MGL	101.4	( 81-116 )	
CCCH	Fluoride	10.0	10.639	MGL	106.4	( 81-116 )	
CCCL	Fluoride	0.5	0.516	MGL	103.2	( 81-116 )	
CCCM	Fluoride	0.5	0.534	MGL	106.8	( 81-116 )	
CCCS	Fluoride	0.05	0.057	MGL	114.0	( 81-116 )	
LCS1	Fluoride	1.00	1.043	MGL	104.3	( 81-116 )	
LCS2	Fluoride	1.00	1.066	MGL	106.6	( 81-116 )	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.057	MGL	114.0	( 50-150 )	
MS	Fluoride	1.00	0.972	MGL	97.2	( 73-124 )	
MS2	Fluoride	1.00	0.999	MGL	99.9	( 73-124 )	
MSD	Fluoride	1.00	0.976	MGL	97.6	( 73-124 )	
MSD2	Fluoride	1.00	1.01	MGL	101.0	( 73-124 )	
RPD_LCS	Fluoride	104.300	106.600	MGL	2.2	( 0-20 )	
RPD_MS	Fluoride	97.200	97.600	MGL	0.4	( 0-20 )	

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Laboratory  
 QC Report  
 #209752

Tronox LLC - Henderson  
 (continued)

## QC Ref #376220 Weak Acid Dissociable Cyanide

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07090212	MGL		( 0-0 )	
LCS1	Weak Acid Dissociable Cyanide	0.1	0.096	MGL	96.0	( 90-110 )	
LCS2	Weak Acid Dissociable Cyanide	0.1	0.108	MGL	108.0	( 90-110 )	
MBLK	Weak Acid Dissociable Cyanide	ND	<0.0050	MGL			
MS	Weak Acid Dissociable Cyanide	0.1	0.104	MGL	104.0	( 85-115 )	
MSD	Weak Acid Dissociable Cyanide	0.1	0.114	MGL	114.0	( 85-115 )	

## QC Ref #376254 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	07050182	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	26.6	UGL	106.4	( 85-115 )	
LCS2	Perchlorate	25.0	25.6	UGL	102.4	( 85-115 )	
LCS3	Perchlorate	4	4.74	UGL	118.5	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.1	UGL	96.4	( 80-120 )	
MSD	Perchlorate	25.0	24.3	UGL	97.2	( 80-120 )	
RPD_LCS	Perchlorate	106.400	102.400	UGL	3.8	( 0-15 )	
RPD_MS	Perchlorate	96.400	97.200	UGL	1.0	( 0-15 )	

## QC Ref #376384 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	07100517	MGL		( 0-0 )	
LCS1	Alkalinity in CaCO3 units	100	105	MGL	105.0	( 90-110 )	
LCS2	Alkalinity in CaCO3 units	100	105	MGL	105.0	( 90-110 )	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	2.54	MGL	127.0	( 50-150 )	
MS	Alkalinity in CaCO3 units	100	97.0	MGL	97.0	( 80-120 )	

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Tronox LLC - Henderson  
(continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS2	Alkalinity in CaCO3 units	100	90.0	MGL	90.0	( 80-120 )	
MSD	Alkalinity in CaCO3 units	100	100	MGL	100.0	( 80-120 )	
MSD2	Alkalinity in CaCO3 units	100	90.0	MGL	90.0	( 80-120 )	
RPD_LCS	Alkalinity in CaCO3 units	105.000	105.000	MGL	0.0	( 0-10 )	
RPD_MS	Alkalinity in CaCO3 units	97.000	100.000	MGL	3.0	( 0-20 )	

## QC Ref #376391 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07100530	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	524	552	MGL		( 0-10 )	5.2
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	( 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)	101.714	99.143	MGL	2.6	( 0-20 )	

## QC Ref #376465 Zinc, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07090212	MGL		( 0-0 )	
LCS1	Zinc, Total, ICAP	1.00	1.03	MGL	103.0	( 85-115 )	
LCS2	Zinc, Total, ICAP	1.00	1.05	MGL	105.0	( 85-115 )	
MBLK	Zinc, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Zinc, Total, ICAP	0.020	0.023	MGL	115.0	( 50-150 )	
MS	Zinc, Total, ICAP	1.00	1.10	MGL	110.0	( 70-130 )	
MSD	Zinc, Total, ICAP	1.00	1.11	MGL	111.0	( 70-130 )	

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Tronox LLC - Henderson  
(continued)

## QC Ref #376466 Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	07100277	UGL		( 0-0 )	
LCS1	Mercury	1.50	1.50	UGL	100.0	( 85-115 )	
LCS2	Mercury	1.50	1.51	UGL	100.7	( 85-115 )	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.205	UGL	102.5	( 50-150 )	
MS	Mercury	1.50	1.46	UGL	97.3	( 70-130 )	
MSD	Mercury	1.50	1.47	UGL	98.0	( 70-130 )	
RPD_LCS	Mercury	100.000	100.667	UGL	0.7	( 0-20 )	
RPD_MS	Mercury	97.333	98.000	UGL	0.7	( 0-20 )	

## QC Ref #377564 Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,2-Trichloroethane (1,1,2-T)	5.0	4.59	UGL	91.8	( 82-117 )	
LCS2	1,1,2-Trichloroethane (1,1,2-T)	5.0	4.68	UGL	93.6	( 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	10.8	UGL	108.0	( 82-130 )	
RPD_LCS	1,1,2-Trichloroethane (1,1,2-T)	91.800	93.600	UGL	1.9	( 0-20 )	
LCS1	1,1-Dichloroethylene (1,1DCE)	5.0	5.15	UGL	103.0	( 81-129 )	
LCS2	1,1-Dichloroethylene (1,1DCE)	5.0	5.29	UGL	105.8	( 81-129 )	
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	UGL			
MS	1,1-Dichloroethylene (1,1DCE)	10	10.6	UGL	106.0	( 82-140 )	
RPD_LCS	1,1-Dichloroethylene (1,1DCE)	103.000	105.800	UGL	2.7	( 0-20 )	
LCS1	1,1-Dichloroethane	5.0	4.88	UGL	97.6	( 85-120 )	
LCS2	1,1-Dichloroethane	5.0	4.86	UGL	97.2	( 85-120 )	
MBLK	1,1-Dichloroethane	ND	<0.5	UGL			
MS	1,1-Dichloroethane	10	10.9	UGL	109.0	( 84-133 )	
RPD_LCS	1,1-Dichloroethane	97.600	97.200	UGL	0.4	( 0-20 )	
LCS1	o-Dichlorobenzene (1,2-DCB)	5.0	4.61	UGL	92.2	( 88-118 )	
LCS2	o-Dichlorobenzene (1,2-DCB)	5.0	4.94	UGL	98.8	( 88-118 )	

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## Tronox LLC - Henderson (continued)

MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL		
MS	o-Dichlorobenzene (1,2-DCB)	10	10.8	UGL	108.0	( 85-119 )
RPD_LCS	o-Dichlorobenzene (1,2-DCB)	92.200	98.800	UGL	6.9	( 0-20 )
LCS1	1,2-Dichloroethane	5.0	4.65	UGL	93.0	( 86-123 )
LCS2	1,2-Dichloroethane	5.0	4.81	UGL	96.2	( 86-123 )
MBLK	1,2-Dichloroethane	ND	<0.5	UGL		
MS	1,2-Dichloroethane	10	11.0	UGL	110.0	( 81-133 )
RPD_LCS	1,2-Dichloroethane	93.000	96.200	UGL	3.4	( 0-20 )
LCS1	1,2-Dichloropropane	5.0	4.53	UGL	90.6	( 84-112 )
LCS2	1,2-Dichloropropane	5.0	4.59	UGL	91.8	( 84-112 )
MBLK	1,2-Dichloropropane	ND	<0.5	UGL		
MS	1,2-Dichloropropane	10	10.8	UGL	108.0	( 83-123 )
RPD_LCS	1,2-Dichloropropane	90.600	91.800	UGL	1.3	( 0-20 )
LCS1	m-Dichlorobenzene (1,3-DCB)	5.0	4.64	UGL	92.8	( 81-139 )
LCS2	m-Dichlorobenzene (1,3-DCB)	5.0	4.68	UGL	93.6	( 81-139 )
MBLK	m-Dichlorobenzene (1,3-DCB)	ND	<0.5	UGL		
MS	m-Dichlorobenzene (1,3-DCB)	10	10.8	UGL	108.0	( 82-136 )
RPD_LCS	m-Dichlorobenzene (1,3-DCB)	92.800	93.600	UGL	0.9	( 0-20 )
LCS1	p-Dichlorobenzene (1,4-DCB)	5.0	4.85	UGL	97.0	( 83-140 )
LCS2	p-Dichlorobenzene (1,4-DCB)	5.0	4.82	UGL	96.4	( 83-140 )
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10	11.1	UGL	111.0	( 80-135 )
RPD_LCS	p-Dichlorobenzene (1,4-DCB)	97.000	96.400	UGL	0.6	( 0-20 )
LCS1	2-Butanone (MEK)	50	46.5	UGL	93.0	( 71-120 )
LCS2	2-Butanone (MEK)	50	46.4	UGL	92.8	( 71-120 )
MBLK	2-Butanone (MEK)	ND	<10	UGL		
MS	2-Butanone (MEK)	100	111	UGL	111.0	( 53-126 )
RPD_LCS	2-Butanone (MEK)	93.000	92.800	UGL	0.2	( 0-20 )
LCS1	2-Hexanone	50	47.8	UGL	95.6	( 75-115 )
LCS2	2-Hexanone	50	48.7	UGL	97.4	( 75-115 )
MBLK	2-Hexanone	ND	<10	UGL		
MS	2-Hexanone	100	116	UGL	116.0	( 58-139 )
RPD_LCS	2-Hexanone	95.600	97.400	UGL	1.9	( 0-20 )
LCS1	4-Methyl-2-Pentanone (MIBK)	50	49.3	UGL	98.6	( 76-118 )
LCS2	4-Methyl-2-Pentanone (MIBK)	50	50.2	UGL	100.4	( 76-118 )
MBLK	4-Methyl-2-Pentanone (MIBK)	ND	<10	UGL		

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## Tronox LLC - Henderson (continued)

MS	4-Methyl-2-Pentanone (MIBK)	100	118	UGL	118.0	( 64-142 )
RPD_LCS	4-Methyl-2-Pentanone (MIBK)	98.600	100.400	UGL	1.8	( 0-20 )
MS	Spiked sample	Lab # 27	07100610	NONE		( 0-0 )
LCS1	Acetone	50	36.0	UGL	72.0	( 61-125 )
LCS2	Acetone	50	34.3	UGL	68.6	( 61-125 )
MBLK	Acetone	ND	<10	UGL		
MS	Acetone	100	79.7	UGL	79.7	( 17-132 )
RPD_LCS	Acetone	72.000	68.600	UGL	4.8	( 0-20 )
LCS1	Benzene	5.0	4.97	UGL	99.4	( 89-119 )
LCS2	Benzene	5.0	4.90	UGL	98.0	( 89-119 )
MBLK	Benzene	ND	<0.5	UGL		
MS	Benzene	10	10.6	UGL	106.0	( 85-131 )
RPD_LCS	Benzene	99.400	98.000	UGL	1.4	( 0-20 )
LCS1	cis-1,2-Dichloroethene	5.0	4.90	UGL	98.0	( 85-117 )
LCS2	cis-1,2-Dichloroethene	5.0	4.85	UGL	97.0	( 85-117 )
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL		
MS	cis-1,2-Dichloroethene	10	10.8	UGL	108.0	( 85-132 )
RPD_LCS	cis-1,2-Dichloroethene	98.000	97.000	UGL	1.0	( 0-20 )
LCS1	Chlorobenzene	5.0	4.75	UGL	95.0	( 88-118 )
LCS2	Chlorobenzene	5.0	4.82	UGL	96.4	( 88-118 )
MBLK	Chlorobenzene	ND	<0.5	UGL		
MS	Chlorobenzene	10	11.2	UGL	112.0	( 87-126 )
RPD_LCS	Chlorobenzene	95.000	96.400	UGL	1.5	( 0-20 )
LCS1	cis-1,3-Dichloropropene	5.0	4.29	UGL	85.8	( 75-109 )
LCS2	cis-1,3-Dichloropropene	5.0	4.39	UGL	87.8	( 75-109 )
MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL		
MS	cis-1,3-Dichloropropene	10	9.58	UGL	95.8	( 50-133 )
RPD_LCS	cis-1,3-Dichloropropene	85.800	87.800	UGL	2.3	( 0-20 )
LCS1	Bromoform	5.0	4.35	UGL	87.0	( 75-129 )
LCS2	Bromoform	5.0	4.06	UGL	81.2	( 75-129 )
MBLK	Bromoform	ND	<0.5	UGL		
MS	Bromoform	10	10.7	UGL	107.0	( 68-131 )
RPD_LCS	Bromoform	87.000	81.200	UGL	6.9	( 0-20 )
LCS1	Chloroform (Trichloromethane)	5.0	4.59	UGL	91.8	( 85-121 )
LCS2	Chloroform (Trichloromethane)	5.0	4.71	UGL	94.2	( 85-121 )
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL		

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**Tronox LLC - Henderson  
 (continued)**

MS	Chloroform (Trichloromethane)	10	10.3	UGL	103.0	( 81-140 )
RPD_LCS	Chloroform (Trichloromethane)	91.800	94.200	UGL	2.6	( 0-20 )
LCS1	Chloroethane	5.0	5.08	UGL	101.6	( 76-127 )
LCS2	Chloroethane	5.0	5.30	UGL	106.0	( 76-127 )
MBLK	Chloroethane	ND	<0.5	UGL		
MS	Chloroethane	10	14.0	UGL	140.0	( 58-159 )
RPD_LCS	Chloroethane	101.600	106.000	UGL	4.2	( 0-20 )
LCS1	Carbon disulfide	5.0	4.61	UGL	92.2	( 73-129 )
LCS2	Carbon disulfide	5.0	4.67	UGL	93.4	( 73-129 )
MBLK	Carbon disulfide	ND	<0.5	UGL		
MS	Carbon disulfide	10	10.8	UGL	108.0	( 80-138 )
RPD_LCS	Carbon disulfide	92.200	93.400	UGL	1.3	( 0-20 )
LCS1	Carbon Tetrachloride	5.0	4.81	UGL	96.2	( 79-124 )
LCS2	Carbon Tetrachloride	5.0	4.95	UGL	99.0	( 79-124 )
MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10	11.1	UGL	111.0	( 77-145 )
RPD_LCS	Carbon Tetrachloride	96.200	99.000	UGL	2.9	( 0-20 )
LCS1	Dibromochloromethane	5.0	4.61	UGL	92.2	( 79-118 )
LCS2	Dibromochloromethane	5.0	4.63	UGL	92.6	( 79-118 )
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10	11.1	UGL	111.0	( 78-133 )
RPD_LCS	Dibromochloromethane	92.200	92.600	UGL	0.4	( 0-20 )
LCS1	Dichlorobromomethane	5.0	4.70	UGL	94.0	( 80-115 )
LCS2	Dichlorobromomethane	5.0	4.60	UGL	92.0	( 80-115 )
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10	11.3	UGL	113.0	( 81-132 )
RPD_LCS	Dichlorobromomethane	94.000	92.000	UGL	2.2	( 0-20 )
LCS1	Ethyl benzene	5.0	4.88	UGL	97.6	( 83-115 )
LCS2	Ethyl benzene	5.0	4.99	UGL	99.8	( 83-115 )
MBLK	Ethyl benzene	ND	<0.5	UGL		
MS	Ethyl benzene	10	11.8	UGL	118.0	( 85-128 )
RPD_LCS	Ethyl benzene	97.600	99.800	UGL	2.2	( 0-20 )
LCS1	Dichlorodifluoromethane	5.0	5.17	UGL	103.4	( 63-131 )
LCS2	Dichlorodifluoromethane	5.0	5.08	UGL	101.6	( 63-131 )
MBLK	Dichlorodifluoromethane	ND	<0.5	UGL		
MS	Dichlorodifluoromethane	10	7.90	UGL	79.0	( 74-151 )

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## Tronox LLC - Henderson (continued)

RPD_LCS	Dichlorodifluoromethane	103.400	101.600	UGL	1.8	( 0-20 )
LCS1	Methyl Bromide	5.0	5.11	UGL	102.2	( 58-145 )
LCS2	Methyl Bromide	5.0	4.84	UGL	96.8	( 58-145 )
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10	8.67	UGL	86.7	( 48-158 )
RPD_LCS	Methyl Bromide	102.200	96.800	UGL	5.4	( 0-20 )
LCS1	Methyl Chloride	5.0	5.22	UGL	104.4	( 76-126 )
LCS2	Methyl Chloride	5.0	5.27	UGL	105.4	( 76-126 )
MBLK	Methyl Chloride	ND	<0.5	UGL		
MS	Methyl Chloride	10	9.63	UGL	96.3	( 68-141 )
RPD_LCS	Methyl Chloride	104.400	105.400	UGL	1.0	( 0-20 )
LCS1	Methylene Chloride	5.0	5.07	UGL	101.4	( 83-123 )
LCS2	Methylene Chloride	5.0	5.28	UGL	105.6	( 83-123 )
MBLK	Methylene Chloride	ND	<3.0	UGL		
MS	Methylene Chloride	10	11.0	UGL	110.0	( 83-134 )
RPD_LCS	Methylene Chloride	101.400	105.600	UGL	4.1	( 0-20 )
LCS1	m,p-Xylenes	10	10.1	UGL	101.0	( 89-120 )
LCS2	m,p-Xylenes	10	10.4	UGL	104.0	( 89-120 )
MBLK	m,p-Xylenes	ND	<1.0	UGL		
MS	m,p-Xylenes	20	23.6	UGL	118.0	( 85-139 )
RPD_LCS	m,p-Xylenes	101.000	104.000	UGL	2.9	( 0-20 )
LCS1	o-Xylene	5.0	4.95	UGL	99.0	( 84-111 )
LCS2	o-Xylene	5.0	4.98	UGL	99.6	( 84-111 )
MBLK	o-Xylene	ND	<0.5	UGL		
MS	o-Xylene	10	11.8	UGL	118.0	( 83-132 )
RPD_LCS	o-Xylene	99.000	99.600	UGL	0.6	( 0-20 )
LCS1	1,1,2,2-Tetrachloroethane	5.0	4.34	UGL	86.8	( 83-131 )
LCS2	1,1,2,2-Tetrachloroethane	5.0	4.36	UGL	87.2	( 83-131 )
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10	10.4	UGL	104.0	( 83-127 )
RPD_LCS	1,1,2,2-Tetrachloroethane	86.800	87.200	UGL	0.5	( 0-20 )
LCS1	Tetrachloroethylene (PCE)	5.0	4.59	UGL	91.8	( 81-132 )
LCS2	Tetrachloroethylene (PCE)	5.0	4.72	UGL	94.4	( 81-132 )
MBLK	Tetrachloroethylene (PCE)	ND	<0.5	UGL		
MS	Tetrachloroethylene (PCE)	10	10.6	UGL	106.0	( 83-143 )
RPD_LCS	Tetrachloroethylene (PCE)	91.800	94.400	UGL	2.8	( 0-20 )

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 #209752

## Tronox LLC - Henderson (continued)

LCS1	Styrene	5.0	4.84	UGL	96.8	( 83-115 )
LCS2	Styrene	5.0	4.90	UGL	98.0	( 83-115 )
MBLK	Styrene	ND	<0.5	UGL		
MS	Styrene	10	11.4	UGL	114.0	( 56-140 )
RPD_LCS	Styrene	96.800	98.000	UGL	1.2	( 0-20 )
LCS1	1,2-dichloroethane-d4	100	100	%R	100.0	( 70-130 )
LCS2	1,2-dichloroethane-d4	100	98	%R	98.0	( 70-130 )
MBLK	1,2-dichloroethane-d4	100	99	%R	99.0	
MS	1,2-dichloroethane-d4	100	99	%R	99.0	( 70-130 )
RPD_LCS	1,2-dichloroethane-d4	100.000	98.000	%R	2.0	( 0-20 )
LCS1	Toluene-d8	100	103	%R	103.0	( 70-130 )
LCS2	Toluene-d8	100	101	%R	101.0	( 70-130 )
MBLK	Toluene-d8	100	97	%R	97.0	
MS	Toluene-d8	100	103	%R	103.0	( 70-130 )
RPD_LCS	Toluene-d8	103.000	101.000	%R	2.0	( 0-20 )
LCS1	4-Bromofluorobenzene	100	98	%R	98.0	( 70-130 )
LCS2	4-Bromofluorobenzene	100	96	%R	96.0	( 70-130 )
MBLK	4-Bromofluorobenzene	100	99	%R	99.0	
MS	4-Bromofluorobenzene	100	100	%R	100.0	( 70-130 )
RPD_LCS	4-Bromofluorobenzene	98.000	96.000	%R	2.1	( 0-20 )
LCS1	trans-1,2-Dichloroethene	5.0	5.15	UGL	103.0	( 84-126 )
LCS2	trans-1,2-Dichloroethene	5.0	5.38	UGL	107.6	( 84-126 )
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		
MS	trans-1,2-Dichloroethene	10	11.0	UGL	110.0	( 82-136 )
RPD_LCS	trans-1,2-Dichloroethene	103.000	107.600	UGL	4.4	( 0-20 )
LCS1	1,1,1-Trichloroethane	5.0	5.01	UGL	100.2	( 82-121 )
LCS2	1,1,1-Trichloroethane	5.0	4.80	UGL	96.0	( 82-121 )
MBLK	1,1,1-Trichloroethane	ND	<0.5	UGL		
MS	1,1,1-Trichloroethane	10	11.0	UGL	110.0	( 84-137 )
RPD_LCS	1,1,1-Trichloroethane	100.200	96.000	UGL	4.3	( 0-20 )
LCS1	Trichloroethylene (TCE)	5.0	4.66	UGL	93.2	( 86-120 )
LCS2	Trichloroethylene (TCE)	5.0	5.06	UGL	101.2	( 86-120 )
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10	11.0	UGL	110.0	( 86-130 )
RPD_LCS	Trichloroethylene (TCE)	93.200	101.200	UGL	8.2	( 0-20 )
LCS1	Trichlorofluoromethane	5.0	5.15	UGL	103.0	( 76-133 )

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## Tronox LLC - Henderson (continued)

LCS2	Trichlorofluoromethane	5.0	5.17	UGL	103.4	( 76-133 )
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		
MS	Trichlorofluoromethane	10	8.52	UGL	85.2	( 75-153 )
RPD_LCS	Trichlorofluoromethane	103.000	103.400	UGL	0.4	( 0-20 )
LCS1	trans-1,3-Dichloropropene	5.0	4.45	UGL	89.0	( 71-114 )
LCS2	trans-1,3-Dichloropropene	5.0	4.54	UGL	90.8	( 71-114 )
MBLK	trans-1,3-Dichloropropene	ND	<0.5	UGL		
MS	trans-1,3-Dichloropropene	10	10.0	UGL	100.0	( 45-141 )
RPD_LCS	trans-1,3-Dichloropropene	89.000	90.800	UGL	2.0	( 0-20 )
LCS1	Tetrahydrofuran	50	54.6	UGL	109.2	( 79-121 )
LCS2	Tetrahydrofuran	50	53.3	UGL	106.6	( 79-121 )
MBLK	Tetrahydrofuran	ND	<10	UGL		
MS	Tetrahydrofuran	100	120	UGL	120.0	( 66-134 )
RPD_LCS	Tetrahydrofuran	109.200	106.600	UGL	2.4	( 0-20 )
LCS1	Toluene	5.0	4.80	UGL	96.0	( 88-118 )
LCS2	Toluene	5.0	5.00	UGL	100.0	( 88-118 )
MBLK	Toluene	ND	<0.5	UGL		
MS	Toluene	10	11.0	UGL	110.0	( 87-128 )
RPD_LCS	Toluene	96.000	100.000	UGL	4.1	( 0-20 )
LCS1	Vinyl Chloride (VC)	5.0	5.07	UGL	101.4	( 72-125 )
LCS2	Vinyl Chloride (VC)	5.0	5.17	UGL	103.4	( 72-125 )
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL		
MS	Vinyl Chloride (VC)	10	9.97	UGL	99.7	( 79-137 )
RPD_LCS	Vinyl Chloride (VC)	101.400	103.400	UGL	2.0	( 0-20 )
LCS1	Vinyl Acetate	25	24.9	UGL	99.6	( 61-125 )
LCS2	Vinyl Acetate	25	26.0	UGL	104.0	( 61-125 )
MBLK	Vinyl Acetate	ND	<10	UGL		
MS	Vinyl Acetate	50	51.8	UGL	103.6	( 40-142 )
RPD_LCS	Vinyl Acetate	99.600	104.000	UGL	4.3	( 0-20 )

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