



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)

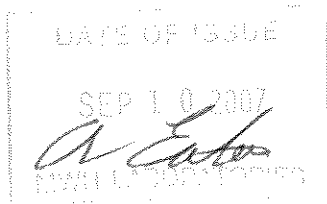
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager



Report#: 213192
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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Tel: 626 386 1100
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1 800 566 LABS (1 800 566 5227)

September 10, 2007

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

Subject: Case Narrative report 213192

Enclosed is MWH Laboratories Report 213192

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 14, 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



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (600) 566-5227

M/LABS USE ONLY:
LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: *[Signature]*
SAMPLE TEMP, RECEIPT AT LAB: *[Signature]*
BLUE ICE: FROZEN PARTIALLY FROZEN THAWED (check for yes)

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES			ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)	SAMPLER COMMENTS
KERRMCGEE/MP Sampler Wendy Prescott <i>Wendy Prescott</i> Susan Crowley (702) 651-2234	UIC Permit - Water Supply Profile 1 Kerr-McGee Chemical LLC PO Box 55 Henderson, NV 89009	MATRIX	GRAB	COMP	SEE BOTTLE ORDER	
		RSW	X			
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#			
10:00	8/13/2007	Stabilized Water		X		

* MATRIX TYPES:
Reported by Volume:
CFW = Chlor(amin)ated Finished Water
FW = Other Finished Water
Reported by Weight:
CW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water
RGW = Raw Ground Water
RSW = Raw Surface Water

RELINQUISHED BY: *Wendy Prescott*
SIGNATURE: *Wendy Prescott*
RECEIVED BY: *[Signature]*
RECEIVED BY: *[Signature]*
PRINT NAME: Wendy Prescott
COMPANY/TITLE: Veolia Water NA for Kerr-McGee Chemical LLC
DATE: 8/13/2007
TIME: 12:00pm



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

Bottle Order for Kerr McGee Chemical Company - Henderson Standing

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

Client Code KERRMCGEE-MP M Monthly Period
Project Code CLO4 Week 1
PO# / Job#
Blanket PO

SO# 37112 12996 RS

Sampler: Please Return this Paper with your samples

Created by

Order Date

07/03/07

Date Needed

by Client

Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

Ship Sample Kits to

Send Report to

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

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

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

UN#

Important Comments

# of Samples	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
1	@VOAPP	UN 1789	Monthly standing order - sampleID= Stabilized Water
1	3 40ml amber glass vials+ 4 drops HCL(36%)		
1	1 125ml poly /no preservative		
1	1 125ml poly +1 ml NaOH (25%)	UN 1824	Login use profile - #KERMO
1	4: 2 500ml poly +1 125ml poly no pres& 1 250ml acid rinsed+1ml HNO3	UN 2031	(profile consists of: voapp, pb-ms, mg, mn-ms, clo4, ni-ms,ph, k, se-ms, wcn, ag-ms, na, so4, tl-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)

Prepared By

SCANNED

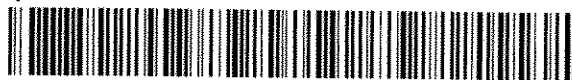
From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015



CL8852807/21/23

Ship Date: 13AUG07
ActWgt: 19 LB
System#: 2274147/INET7061
Account#: S *****

Delivery Address Bar Code

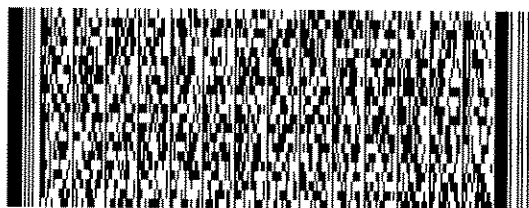


Ref # MSO #142727
Invoice #
PO #
Dept #

SHIP TO: (626)568-6400 **BILL SENDER**

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

MONROVIA, CA 910163629

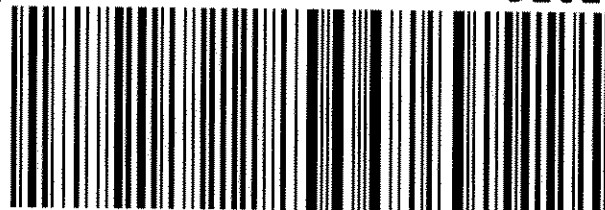


TRK# 7996 9204 6997
0201

**TUE - 14AUG A2
PRIORITY OVERNIGHT**

QZ-WHPA

**BUR
CA-US
91016**



Shipping Label: Your shipment is complete

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

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

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

SCANNED

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: 142727

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER Federal Express		Date 08/13/07	FROM NO. STATION: STATE Henderson, NV 89015
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization S. CROWLEY	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC	
N/AR		CUSTOMER PO OR REQ'N NO.	CODE NO. WCN IS
		SHIPPED FROM Henderson, NV	1321.10400 If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Stabilized Water. Not Regulated		1 COOLER
			Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement: The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. TRONOX LLC
			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	
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 19	TOTAL TARE WEIGHT 0	19
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____			FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT 800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.
THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.			
TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859 Oklahoma City, OK 73126-8859		PER Chuck Whitney	AGENT
			PER

UNRECORDED

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#: 213192
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **08/14/07**. 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
2708140507	STABILIZED WATER		Water	13-aug-2007 10:00:00
	@VOAPP	AG-MS	AL-MS	ALK
	B	BA-MS	BALANCE	BE-MS
	CD-MS	CL	CLO4	CO3
	EC	F	FE	HCO3
	MG	MN-MS	NA	NI-MS
	PB-MS	PH	SB-MS	SE-MS
	TL-MS	WCN	ZN	SO4
				ANION1
				AS-MS
				CATION1
				CR-MS
				CU-MS
				HG
				K
				NO3
				OH
				TDS

Test Acronym Description

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

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 213192
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
#213192

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: _____

A Eaton



MWH Laboratories

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Laboratory
Hits Report
#213192

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

Samples Received
14-aug-2007 18:38:41

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2708140507	STABILIZED WATER				
08/21/07		Alkalinity in CaCO3 units	136		mg/l	2.0
08/23/07		Anion Sum - Calculated	11		meq/l	0.0050
08/16/07		Arsenic, Total, ICAP/MS	2.7	10	ug/l	1.0
08/16/07		Barium, Total, ICAP/MS	140	2000	ug/l	2.0
08/23/07		Bicarb.Alkalinity as HCO3,calc	170		mg/l	2.0
08/15/07		Boron, Total, ICAP	0.13		mg/l	0.050
08/15/07		Calcium, Total, ICAP	78		mg/l	1.0
08/20/07		Cation Sum - Calculated	11		meq/l	0.0010
08/14/07		Chloride	89	250	mg/l	5.0
08/16/07		Chromium, Total, ICAP/MS	9.1	100	ug/l	1.0
08/15/07		Fluoride	0.25	4	mg/l	0.050
08/23/07		Iron, Total, ICAP	0.074	0.3	mg/l	0.020
08/15/07		Magnesium, Total, ICAP	30		mg/l	0.10
08/16/07		PH (H3=past HT, not compliant)	8.2	6.5-8.5	Units	0.010
08/17/07		Perchlorate	12		ug/l	4.0
08/15/07		Potassium, Total, ICAP	5.0		mg/l	1.0
08/15/07		Sodium, Total, ICAP	94		mg/l	1.0
08/17/07		Specific Conductance	960		umho/cm	2.0
08/14/07		Sulfate	260	250	mg/l	2.5
08/18/07		Total Dissolved Solid (TDS)	654	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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 Monrovia, California 91016-3629
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 1 800 566 LABS (1 800 566 5227)

Laboratory
 Data Report
 #213192

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

Samples Received
 08/14/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
STABILIZED WATER (2708140507) Sampled on 08/13/07 10:00								
	08/16/07 17:26	381332	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	08/16/07 17:26	381339	(ML/EPA 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	20	1
	08/21/07 14:47	381998	(SM2320B/ 310.1)	Alkalinity in CaCO3 units	136	mg/l	2.0	1
	08/23/07 17:37	382318	(ML/SM1030E)	Anion Sum - Calculated	11	meq/l	0.0050	5
	08/16/07 17:26	381326	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	2.7	ug/l	1.0	1
	08/15/07 21:03	381219	(ML/EPA 200.7)	Boron, Total, ICAP	0.13	mg/l	0.050	1
	08/16/07 17:26	381338	(ML/EPA 200.8)	Barium, Total, ICAP/MS	140	ug/l	2.0	1
	08/16/07 17:26	381316	(ML/EPA 200.8)	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	08/15/07 21:03	381227	(ML/EPA 200.7)	Calcium, Total, ICAP	78	mg/l	1.0	1
	08/20/07 09:19	381704	(ML/SM1030E)	Cation Sum - Calculated	11	meq/l	0.0010	1
	08/16/07 17:26	381334	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	08/14/07 21:20	381198	(ML/EPA 300.0)	Chloride	89	mg/l	5.0	5
	08/17/07 12:41	381609	(EPA 314)	Perchlorate	12	ug/l	4.0	1
	08/23/07 17:37	382318	(SM2330B)	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	08/16/07 17:26	381351	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	9.1	ug/l	1.0	1
	08/16/07 17:26	381322	(ML/EPA 200.8)	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	08/17/07 00:00	381442	(SM2510B)	Specific Conductance	960	umho/cm	2.0	1
	08/15/07 00:00	381141	(SM 4500F-C)	Fluoride	0.25	mg/l	0.050	1
	08/23/07 20:50	382448	(ML/EPA 200.7)	Iron, Total, ICAP	0.074	mg/l	0.020	1
	08/23/07 17:37	382318	(SM2330B)	Bicarb.Alkalinity as HCO3,calc	170	mg/l	2.0	1
	08/21/07 15:47	381960	(ML/EPA 245.1)	Mercury	ND	ug/l	0.20	1
	08/15/07 21:03	381212	(ML/EPA 200.7)	Potassium, Total, ICAP	5.0	mg/l	1.0	1
	08/15/07 21:03	381215	(ML/EPA 200.7)	Magnesium, Total, ICAP	30	mg/l	0.10	1
	08/16/07 17:26	381353	(ML/EPA 200.8)	Manganese, Total, ICAP/MS	ND	ug/l	2.0	1
	08/15/07 21:03	381223	(ML/EPA 200.7)	Sodium, Total, ICAP	94	mg/l	1.0	1
	08/16/07 17:26	381320	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	08/14/07 21:20	381202	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	ND	mg/l	0.50	5
	08/20/07 09:19	381704	(SM2330B)	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	08/16/07 17:26	381343	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	08/16/07 00:00	381162	(SM4500-HB)	PH (H3=past HT, not compliant)	8.2	Units	0.010	1
	08/16/07 17:26	381336	(ML/EPA 200.8)	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	08/22/07 22:14	382316	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1



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Laboratory
Data Report
#213192

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	08/14/07 21:20	381204	(ML/EPA 300.0)	Sulfate	260	mg/l	2.5	5
08/18/07	08/18/07 22:30	381861	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	654	mg/l	10	1
	08/16/07 17:26	381341	(ML/EPA 200.8)	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
08/21/07	08/22/07 00:00	382164	(SM4500CN-I)	Weak Acid Dissociable Cyanide	ND	mg/l	0.0050	1
	08/23/07 19:51	382853	(EPA/ML 200.7)	Zinc, Total, ICAP	ND	mg/l	0.020	1
Volatile Organics HSL								
	08/17/07 19:34	381845	(ML 624)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	1,1-Dichloroethane	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	1,2-Dichloroethane	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	1,2-Dichloropropane	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	2-Butanone (MEK)	ND	ug/l	10	1
	08/17/07 19:34	381845	(ML 624)	2-Hexanone	ND	ug/l	10	1
	08/17/07 19:34	381845	(ML 624)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	08/17/07 19:34	381845	(ML 624)	Acetone	ND	ug/l	10	1
	08/17/07 19:34	381845	(ML 624)	Acrolein (Screen)	ND	ug/l	50	1
	08/17/07 19:34	381845	(ML 624)	Acrylonitrile (Screen)	ND	ug/l	50	1
	08/17/07 19:34	381845	(ML 624)	Benzene	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	cis-1,2-Dichloroethene	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Chlorobenzene	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	cis-1,3-Dichloropropene	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Bromoform	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Chloroform (Trichloromethane)	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Chloroethane	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Carbon disulfide	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Carbon Tetrachloride	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Dibromochloromethane	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Dichlorobromomethane	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Ethyl benzene	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Dichlorodifluoromethane	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Methyl Bromide	ND	ug/l	0.5	1
	08/17/07 19:34	381845	(ML 624)	Methyl Chloride	ND	ug/l	0.5	1



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Laboratory Data Report #213192

Tronox LLC - Henderson (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
08/17/07	19:34	381845	(ML 624	) Methylene Chloride	ND	ug/l	3.0	1
08/17/07	19:34	381845	(ML 624	) m,p-Xylenes	ND	ug/l	1.0	1
08/17/07	19:34	381845	(ML 624	) o-Xylene	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) Tetrachloroethylene (PCE)	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) Styrene	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) trans-1,2-Dichloroethene	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) 1,1,1-Trichloroethane	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) Trichloroethylene (TCE)	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) Trichlorofluoromethane	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) trans-1,3-Dichloropropene	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) Tetrahydrofuran	ND	ug/l	10	1
08/17/07	19:34	381845	(ML 624	) Toluene	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) Vinyl Chloride (VC)	ND	ug/l	0.5	1
08/17/07	19:34	381845	(ML 624	) Vinyl Acetate	ND	ug/l	10	1
			(ML 624) 4-Bromofluorobenzene (86-115)	101	% Rec		
			(ML 624) 1,2-Dichloroethane-d4 (80-120)	112	% Rec		
			(ML 624) Toluene-d8 (88-110)	94	% Rec		



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Laboratory
QC Summary
#213192

Tronox LLC - Henderson

QC Ref #381141 - Fluoride		Analysis Date: 08/15/2007
2708140507	STABILIZED WATER	Analyzed by: faj
QC Ref #381162 - PH (H3=past HT, not compliant)		Analysis Date: 08/16/2007
2708140507	STABILIZED WATER	Analyzed by: faj
QC Ref #381198 - Chloride		Analysis Date: 08/14/2007
2708140507	STABILIZED WATER	Analyzed by: tlh
QC Ref #381202 - Nitrate as Nitrogen by IC		Analysis Date: 08/14/2007
2708140507	STABILIZED WATER	Analyzed by: tlh
QC Ref #381204 - Sulfate		Analysis Date: 08/14/2007
2708140507	STABILIZED WATER	Analyzed by: tlh
QC Ref #381212 - Potassium, Total, ICAP		Analysis Date: 08/15/2007
2708140507	STABILIZED WATER	Analyzed by: wbh
QC Ref #381215 - Magnesium, Total, ICAP		Analysis Date: 08/15/2007
2708140507	STABILIZED WATER	Analyzed by: wbh
QC Ref #381219 - Boron, Total, ICAP		Analysis Date: 08/15/2007
2708140507	STABILIZED WATER	Analyzed by: wbh



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Tronox LLC - Henderson
(continued)

QC Ref #381223	- Sodium, Total, ICAP	Analysis Date: 08/15/2007
2708140507	STABILIZED WATER	Analyzed by: wbh
QC Ref #381227	- Calcium, Total, ICAP	Analysis Date: 08/15/2007
2708140507	STABILIZED WATER	Analyzed by: wbh
QC Ref #381316	- Beryllium, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507	STABILIZED WATER	Analyzed by: dyh
QC Ref #381320	- Nickel, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507	STABILIZED WATER	Analyzed by: dyh
QC Ref #381322	- Copper, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507	STABILIZED WATER	Analyzed by: dyh
QC Ref #381326	- Arsenic, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507	STABILIZED WATER	Analyzed by: dyh
QC Ref #381332	- Silver, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507	STABILIZED WATER	Analyzed by: dyh
QC Ref #381334	- Cadmium, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507	STABILIZED WATER	Analyzed by: dyh



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Tronox LLC - Henderson
(continued)

QC Ref #381336 - Antimony, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507 STABILIZED WATER	Analyzed by: dyh
QC Ref #381338 - Barium, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507 STABILIZED WATER	Analyzed by: dyh
QC Ref #381339 - Aluminum, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507 STABILIZED WATER	Analyzed by: dyh
QC Ref #381341 - Thallium, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507 STABILIZED WATER	Analyzed by: dyh
QC Ref #381343 - Lead, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507 STABILIZED WATER	Analyzed by: dyh
QC Ref #381351 - Chromium, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507 STABILIZED WATER	Analyzed by: dyh
QC Ref #381353 - Manganese, Total, ICAP/MS	Analysis Date: 08/16/2007
2708140507 STABILIZED WATER	Analyzed by: dyh
QC Ref #381442 - Specific Conductance	Analysis Date: 08/17/2007
2708140507 STABILIZED WATER	Analyzed by: dtn



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Tronox LLC - Henderson
(continued)

QC Ref #381609 - Perchlorate		Analysis Date: 08/17/2007
2708140507	STABILIZED WATER	Analyzed by: clv
QC Ref #381704 - Cation Sum - Calculated		Analysis Date: 08/20/2007
2708140507	STABILIZED WATER	Analyzed by: dwr
2708140507	STABILIZED WATER	Analyzed by: dwr
QC Ref #381845 - Volatile Organics HSL		Analysis Date: 08/17/2007
2708140507	STABILIZED WATER	Analyzed by: kcp
QC Ref #381861 - Total Dissolved Solid (TDS)		Analysis Date: 08/18/2007
2708140507	STABILIZED WATER	Analyzed by: maria
QC Ref #381960 - Mercury		Analysis Date: 08/21/2007
2708140507	STABILIZED WATER	Analyzed by: nina
QC Ref #381998 - Alkalinity in CaCO3 units		Analysis Date: 08/21/2007
2708140507	STABILIZED WATER	Analyzed by: axa
QC Ref #382164 - Weak Acid Dissociable Cyanide		Analysis Date: 08/22/2007
2708140507	STABILIZED WATER	Analyzed by: lupe
QC Ref #382316 - Selenium, Total, ICAP/MS		Analysis Date: 08/22/2007
2708140507	STABILIZED WATER	Analyzed by: dyh



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Tronox LLC - Henderson
(continued)

QC Ref #382318 - Anion Sum - Calculated

Analysis Date: 08/23/2007

2708140507	STABILIZED WATER
2708140507	STABILIZED WATER
2708140507	STABILIZED WATER
2708140507	STABILIZED WATER

Analyzed by: dwr
 Analyzed by: dwr
 Analyzed by: dwr
 Analyzed by: dwr

QC Ref #382448 - Iron, Total, ICAP

Analysis Date: 08/23/2007

2708140507	STABILIZED WATER
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Analyzed by: dyh

QC Ref #382853 - Zinc, Total, ICAP

Analysis Date: 08/23/2007

2708140507	STABILIZED WATER
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Analyzed by: wbh



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Tronox LLC - Henderson

QC Ref #381141 Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08140086	MGL		(0-0)	
CCC3	Fluoride	10.0	9.380	MGL	93.8	(81-116)	
CCCH	Fluoride	10.0	9.043	MGL	90.4	(81-116)	
CCCL	Fluoride	0.5	0.425	MGL	85.0	(81-116)	
CCCM	Fluoride	0.5	0.423	MGL	84.6	(81-116)	
CCCS	Fluoride	0.05	0.036	MGL	<u>72.0</u>	(81-116)	
LCS1	Fluoride	1.00	0.834	MGL	83.4	(81-116)	
LCS2	Fluoride	1.00	0.922	MGL	92.2	(81-116)	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.038	MGL	76.0	(50-150)	
MS	Fluoride	1.00	0.880	MGL	88.0	(73-124)	
MS2	Fluoride	1.00	0.865	MGL	86.5	(73-124)	
MSD	Fluoride	1.00	1.00	MGL	100.0	(73-124)	
MSD2	Fluoride	1.00	1.00	MGL	100.0	(73-124)	
MS_2ND	Fluoride	1.00	0.880	MGL	88.0	(73-124)	
RPD_LCS	Fluoride	83.400	92.200	MGL	10.0	(0-20)	
RPD_MS	Fluoride	88.000	100.000	MGL	12.8	(0-20)	

QC Ref #381162 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140182	UNIT		(0-0)	
DUP	PH (H3=past HT, not compliant)	8.30	8.30	UNIT		(0-20)	0.0

QC Ref #381198 Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140168	MGL		(0-0)	
LCS1	Chloride	25	25.6	MGL	102.4	(90-110)	
LCS2	Chloride	25	24.4	MGL	97.6	(90-110)	
MBLK	Chloride	ND	<1.0	MGL			

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



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Tronox LLC - Henderson (continued)

MRL_CHK	Chloride	0.500	0.444	MGL	88.8	(50-150)
MS	Chloride	12.5	12.3	MGL	98.4	(74-126)
MSD	Chloride	12.5	12.4	MGL	99.2	(74-126)
RPD_LCS	Chloride	102.400	97.600	MGL	4.8	(0-20)
RPD_MS	Chloride	98.400	99.200	MGL	0.8	(0-20)

QC Ref #381202 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140168	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.54	MGL	101.6	(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	0.0464	MGL	92.8	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.33	MGL	106.4	(80-112)	
MSD	Nitrate as Nitrogen by IC	1.25	1.33	MGL	106.4	(80-112)	
RPD_LCS	Nitrate as Nitrogen by IC	101.600	97.200	MGL	4.4	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	106.400	106.400	MGL	0.0	(0-20)	

QC Ref #381204 Sulfate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140168	MGL		(0-0)	
LCS1	Sulfate	50	52.0	MGL	104.0	(90-110)	
LCS2	Sulfate	50	49.8	MGL	99.6	(90-110)	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	1.00	0.950	MGL	95.0	(50-150)	
MS	Sulfate	25	24.7	MGL	98.8	(83-115)	
MSD	Sulfate	25	24.9	MGL	99.6	(83-115)	
RPD_LCS	Sulfate	104.000	99.600	MGL	4.3	(0-20)	
RPD_MS	Sulfate	98.800	99.600	MGL	0.8	(0-20)	

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Tronox LLC - Henderson
 (continued)

QC Ref #381212 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	19.4	MGL	97.0	(85-115)	
LCS2	Potassium, Total, ICAP	20	19.6	MGL	98.0	(85-115)	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	0.915	MGL	91.5	(50-150)	
MS	Potassium, Total, ICAP	20	19.8	MGL	99.0	(70-130)	
MS2	Potassium, Total, ICAP	20	19.8	MGL	99.0	(70-130)	
MSD	Potassium, Total, ICAP	20	19.6	MGL	98.0	(70-130)	
MSD2	Potassium, Total, ICAP	20	20.1	MGL	100.5	(70-130)	
RPD_LCS	Potassium, Total, ICAP	97.000	98.000	MGL	1.0	(0-20)	
RPD_MS	Potassium, Total, ICAP	99.000	98.000	MGL	1.0	(0-20)	

QC Ref #381215 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	20.9	MGL	104.5	(85-115)	
LCS2	Magnesium, Total, ICAP	20	21.1	MGL	105.5	(85-115)	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.110	MGL	110.0	(50-150)	
MS	Magnesium, Total, ICAP	20	20.6	MGL	103.0	(70-130)	
MS2	Magnesium, Total, ICAP	20	19.6	MGL	98.0	(70-130)	
MSD	Magnesium, Total, ICAP	20	20.3	MGL	101.5	(70-130)	
MSD2	Magnesium, Total, ICAP	20	19.6	MGL	98.0	(70-130)	
RPD_LCS	Magnesium, Total, ICAP	104.500	105.500	MGL	1.0	(0-20)	
RPD_MS	Magnesium, Total, ICAP	103.000	101.500	MGL	1.5	(0-20)	

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Laboratory
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Tronox LLC - Henderson
 (continued)

QC Ref #381219 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.478	MGL	95.6	(85-115)	
LCS2	Boron, Total, ICAP	0.5	0.481	MGL	96.2	(85-115)	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.053	MGL	106.0	(50-150)	
MS	Boron, Total, ICAP	0.5	0.489	MGL	97.8	(70-130)	
MS2	Boron, Total, ICAP	0.5	0.481	MGL	96.2	(70-130)	
MSD	Boron, Total, ICAP	0.5	0.487	MGL	97.4	(70-130)	
MSD2	Boron, Total, ICAP	0.5	0.496	MGL	99.2	(70-130)	
RPD_LCS	Boron, Total, ICAP	95.600	96.200	MGL	0.6	(0-20)	
RPD_MS	Boron, Total, ICAP	97.800	97.400	MGL	0.4	(0-20)	

QC Ref #381223 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	50.0	MGL	100.0	(85-115)	
LCS2	Sodium, Total, ICAP	50	50.0	MGL	100.0	(85-115)	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	1.04	MGL	104.0	(50-150)	
MS	Sodium, Total, ICAP	50	47.5	MGL	95.0	(70-130)	
MS2	Sodium, Total, ICAP	50	47.9	MGL	95.8	(70-130)	
MSD	Sodium, Total, ICAP	50	47.0	MGL	94.0	(70-130)	
MSD2	Sodium, Total, ICAP	50	46.3	MGL	92.6	(70-130)	
RPD_LCS	Sodium, Total, ICAP	100.000	100.000	MGL	0.0	(0-20)	
RPD_MS	Sodium, Total, ICAP	95.000	94.000	MGL	1.1	(0-20)	

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Tronox LLC - Henderson
(continued)

QC Ref #381227 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	50.8	MGL	101.6	(85-115)	
LCS2	Calcium, Total, ICAP	50	51.1	MGL	102.2	(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	49.1	MGL	98.2	(70-130)	
MS2	Calcium, Total, ICAP	50	46.8	MGL	93.6	(70-130)	
MSD	Calcium, Total, ICAP	50	48.3	MGL	96.6	(70-130)	
MSD2	Calcium, Total, ICAP	50	46.8	MGL	93.6	(70-130)	
RPD_LCS	Calcium, Total, ICAP	101.600	102.200	MGL	0.6	(0-20)	
RPD_MS	Calcium, Total, ICAP	98.200	96.600	MGL	1.6	(0-20)	

QC Ref #381316 Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Beryllium, Total, ICAP/MS	5.00	5.03	UGL	100.6	(85-115)	
LCS2	Beryllium, Total, ICAP/MS	5.00	5.03	UGL	100.6	(85-115)	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	1.00	UGL	100.0	(50-150)	
MS	Beryllium, Total, ICAP/MS	5.00	5.55	UGL	111.0	(70-130)	
MS2	Beryllium, Total, ICAP/MS	5.00	5.37	UGL	107.4	(70-130)	
MSD	Beryllium, Total, ICAP/MS	5.00	5.62	UGL	112.4	(70-130)	
MSD2	Beryllium, Total, ICAP/MS	5.00	5.53	UGL	110.6	(70-130)	
RPD_LCS	Beryllium, Total, ICAP/MS	100.600	100.600	UGL	0.0	(0-20)	
RPD_MS	Beryllium, Total, ICAP/MS	111.000	112.400	UGL	1.3	(0-20)	

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 Tronox LLC - Henderson
 (continued)

QC Ref #381320 Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Nickel, Total, ICAP/MS	50	51.2	UGL	102.4	(85-115)	
LCS2	Nickel, Total, ICAP/MS	50	51.5	UGL	103.0	(85-115)	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	5.02	UGL	100.4	(50-150)	
MS	Nickel, Total, ICAP/MS	50	47.9	UGL	95.8	(70-130)	
MS2	Nickel, Total, ICAP/MS	50	48.3	UGL	96.6	(70-130)	
MSD	Nickel, Total, ICAP/MS	50	48.6	UGL	97.2	(70-130)	
MSD2	Nickel, Total, ICAP/MS	50	48.7	UGL	97.4	(70-130)	
RPD_LCS	Nickel, Total, ICAP/MS	102.400	103.000	UGL	0.6	(0-20)	
RPD_MS	Nickel, Total, ICAP/MS	95.800	97.200	UGL	1.5	(0-20)	

QC Ref #381322 Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Copper, Total, ICAP/MS	100	103	UGL	103.0	(85-115)	
LCS2	Copper, Total, ICAP/MS	100	104	UGL	104.0	(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	96.1	UGL	96.1	(70-130)	
MS2	Copper, Total, ICAP/MS	100	95.8	UGL	95.8	(70-130)	
MSD	Copper, Total, ICAP/MS	100	98.9	UGL	98.9	(70-130)	
MSD2	Copper, Total, ICAP/MS	100	96.7	UGL	96.7	(70-130)	
RPD_LCS	Copper, Total, ICAP/MS	103.000	104.000	UGL	1.0	(0-20)	
RPD_MS	Copper, Total, ICAP/MS	96.100	98.900	UGL	2.9	(0-20)	

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QC Ref #381326 Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Arsenic, Total, ICAP/MS	20	20.3	UGL	101.5	(85-115)	
LCS2	Arsenic, Total, ICAP/MS	20	20.4	UGL	102.0	(85-115)	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	1.02	UGL	102.0	(50-150)	
MS	Arsenic, Total, ICAP/MS	20	22.2	UGL	111.0	(70-130)	
MS2	Arsenic, Total, ICAP/MS	20	23.5	UGL	117.5	(70-130)	
MSD	Arsenic, Total, ICAP/MS	20	22.8	UGL	114.0	(70-130)	
MSD2	Arsenic, Total, ICAP/MS	20	23.7	UGL	118.5	(70-130)	
RPD_LCS	Arsenic, Total, ICAP/MS	101.500	102.000	UGL	0.5	(0-20)	
RPD_MS	Arsenic, Total, ICAP/MS	111.000	114.000	UGL	2.7	(0-20)	

QC Ref #381332 Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Silver, Total, ICAP/MS	50	52.1	UGL	104.2	(85-115)	
LCS2	Silver, Total, ICAP/MS	50	52.7	UGL	105.4	(85-115)	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.571	UGL	114.2	(50-150)	
MS	Silver, Total, ICAP/MS	50	47.7	UGL	95.4	(70-130)	
MS2	Silver, Total, ICAP/MS	50	43.0	UGL	86.0	(70-130)	
MSD	Silver, Total, ICAP/MS	50	49.6	UGL	99.2	(70-130)	
MSD2	Silver, Total, ICAP/MS	50	43.4	UGL	86.8	(70-130)	
RPD_LCS	Silver, Total, ICAP/MS	104.200	105.400	UGL	1.1	(0-20)	
RPD_MS	Silver, Total, ICAP/MS	95.400	99.200	UGL	3.9	(0-20)	

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QC Ref #381334 Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Cadmium, Total, ICAP/MS	20	19.9	UGL	99.5	(85-115)	
LCS2	Cadmium, Total, ICAP/MS	20	20.1	UGL	100.5	(85-115)	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.520	UGL	104.0	(50-150)	
MS	Cadmium, Total, ICAP/MS	20	20.4	UGL	102.0	(70-130)	
MS2	Cadmium, Total, ICAP/MS	20	19.1	UGL	95.5	(70-130)	
MSD	Cadmium, Total, ICAP/MS	20	21.3	UGL	106.5	(70-130)	
MSD2	Cadmium, Total, ICAP/MS	20	19.6	UGL	98.0	(70-130)	
RPD_LCS	Cadmium, Total, ICAP/MS	99.500	100.500	UGL	1.0	(0-20)	
RPD_MS	Cadmium, Total, ICAP/MS	102.000	106.500	UGL	4.3	(0-20)	

QC Ref #381336 Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Antimony, Total, ICAP/MS	50	51.5	UGL	103.0	(85-115)	
LCS2	Antimony, Total, ICAP/MS	50	52.1	UGL	104.2	(85-115)	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.11	UGL	111.0	(50-150)	
MS	Antimony, Total, ICAP/MS	50	52.8	UGL	105.6	(70-130)	
MS2	Antimony, Total, ICAP/MS	50	52.6	UGL	105.2	(70-130)	
MSD	Antimony, Total, ICAP/MS	50	55.7	UGL	111.4	(70-130)	
MSD2	Antimony, Total, ICAP/MS	50	54.1	UGL	108.2	(70-130)	
RPD_LCS	Antimony, Total, ICAP/MS	103.000	104.200	UGL	1.2	(0-20)	
RPD_MS	Antimony, Total, ICAP/MS	105.600	111.400	UGL	5.3	(0-20)	

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QC Ref #381338 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Barium, Total, ICAP/MS	100	98.5	UGL	98.5	(85-115)	
LCS2	Barium, Total, ICAP/MS	100	99.1	UGL	99.1	(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	97.0	UGL	97.0	(70-130)	
MS2	Barium, Total, ICAP/MS	100	87.0	UGL	87.0	(70-130)	
MSD	Barium, Total, ICAP/MS	100	101	UGL	101.0	(70-130)	
MSD2	Barium, Total, ICAP/MS	100	92.0	UGL	92.0	(70-130)	
RPD_LCS	Barium, Total, ICAP/MS	98.500	99.100	UGL	0.6	(0-20)	
RPD_MS	Barium, Total, ICAP/MS	97.000	101.000	UGL	4.0	(0-20)	

QC Ref #381339 Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Aluminum, Total, ICAP/MS	200	204	UGL	102.0	(85-115)	
LCS2	Aluminum, Total, ICAP/MS	200	204	UGL	102.0	(85-115)	
MBLK	Aluminum, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Aluminum, Total, ICAP/MS	25.000	19.7	UGL	78.8	(50-150)	
MS	Aluminum, Total, ICAP/MS	200	189	UGL	94.5	(70-130)	
MS2	Aluminum, Total, ICAP/MS	200	198	UGL	99.0	(70-130)	
MSD	Aluminum, Total, ICAP/MS	200	192	UGL	96.0	(70-130)	
MSD2	Aluminum, Total, ICAP/MS	200	197	UGL	98.5	(70-130)	
RPD_LCS	Aluminum, Total, ICAP/MS	102.000	102.000	UGL	0.0	(0-20)	
RPD_MS	Aluminum, Total, ICAP/MS	94.500	96.000	UGL	1.6	(0-20)	

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QC Ref #381341 Thallium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Thallium, Total, ICAP/MS	20.0	20.6	UGL	103.0	(85-115)	
LCS2	Thallium, Total, ICAP/MS	20.0	20.8	UGL	104.0	(85-115)	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	1.02	UGL	102.0	(50-150)	
MS	Thallium, Total, ICAP/MS	20.0	19.7	UGL	98.5	(70-130)	
MS2	Thallium, Total, ICAP/MS	20.0	19.7	UGL	98.5	(70-130)	
MSD	Thallium, Total, ICAP/MS	20.0	20.6	UGL	103.0	(70-130)	
MSD2	Thallium, Total, ICAP/MS	20.0	20.1	UGL	100.5	(70-130)	
RPD_LCS	Thallium, Total, ICAP/MS	103.000	104.000	UGL	1.0	(0-20)	
RPD_MS	Thallium, Total, ICAP/MS	98.500	103.000	UGL	4.5	(0-20)	

QC Ref #381343 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Lead, Total, ICAP/MS	20	20.4	UGL	102.0	(85-115)	
LCS2	Lead, Total, ICAP/MS	20	20.5	UGL	102.5	(85-115)	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.528	UGL	105.6	(50-150)	
MS	Lead, Total, ICAP/MS	20	19.3	UGL	96.5	(70-130)	
MS2	Lead, Total, ICAP/MS	20	19.0	UGL	95.0	(70-130)	
MSD	Lead, Total, ICAP/MS	20	20.2	UGL	101.0	(70-130)	
MSD2	Lead, Total, ICAP/MS	20	19.4	UGL	97.0	(70-130)	
RPD_LCS	Lead, Total, ICAP/MS	102.000	102.500	UGL	0.5	(0-20)	
RPD_MS	Lead, Total, ICAP/MS	96.500	101.000	UGL	4.6	(0-20)	

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QC Ref #381351 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Chromium, Total, ICAP/MS	100	99.6	UGL	99.6	(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	0.979	UGL	97.9	(50-150)	
MS	Chromium, Total, ICAP/MS	100	95.2	UGL	95.2	(70-130)	
MS2	Chromium, Total, ICAP/MS	100	99.4	UGL	99.4	(70-130)	
MSD	Chromium, Total, ICAP/MS	100	97.1	UGL	97.1	(70-130)	
MSD2	Chromium, Total, ICAP/MS	100	100	UGL	100.0	(70-130)	
RPD_LCS	Chromium, Total, ICAP/MS	99.600	100.000	UGL	0.4	(0-20)	
RPD_MS	Chromium, Total, ICAP/MS	95.200	97.100	UGL	2.0	(0-20)	

QC Ref #381353 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140507	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150590	UGL		(0-0)	
LCS1	Manganese, Total, ICAP/MS	50	51.9	UGL	103.8	(85-115)	
LCS2	Manganese, Total, ICAP/MS	50	52.3	UGL	104.6	(85-115)	
MBLK	Manganese, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Manganese, Total, ICAP/MS	2.000	2.04	UGL	102.0	(50-150)	
MS	Manganese, Total, ICAP/MS	50	49.4	UGL	98.8	(70-130)	
MS2	Manganese, Total, ICAP/MS	50	51.5	UGL	103.0	(70-130)	
MSD	Manganese, Total, ICAP/MS	50	50.2	UGL	100.4	(70-130)	
MSD2	Manganese, Total, ICAP/MS	50	51.8	UGL	103.6	(70-130)	
RPD_LCS	Manganese, Total, ICAP/MS	103.800	104.600	UGL	0.8	(0-20)	
RPD_MS	Manganese, Total, ICAP/MS	98.800	100.400	UGL	1.6	(0-20)	

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QC Ref #381442 Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	571	577	UMHO		(0-20)	1.0
DUP2	Specific Conductance	797	796	UMHO		(0-20)	0.1
LCS1	Specific Conductance	1000	1010	UMHO	101.0	(90-110)	
LCS2	Specific Conductance	1000	999	UMHO	99.9	(90-110)	
MBLK	Specific Conductance	ND	<2.0	UMHO			
MRL_CHK	Specific Conductance	2.00	2.14	UMHO	107.0	(50-150)	

QC Ref #381609 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08140281	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.3	UGL	101.2	(85-115)	
LCS2	Perchlorate	25.0	27.0	UGL	108.0	(85-115)	
LCS3	Perchlorate	4	3.95	UGL	98.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	27.2	UGL	108.8	(80-120)	
MSD	Perchlorate	25.0	27.8	UGL	111.2	(80-120)	
RPD_LCS	Perchlorate	101.200	108.000	UGL	6.5	(0-15)	
RPD_MS	Perchlorate	108.800	111.200	UGL	1.0	(0-15)	

QC Ref #381845 Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,2-Trichloroethane (1,1,2-T	5.0	5.06	UGL	101.2	(82-117)	
LCS2	1,1,2-Trichloroethane (1,1,2-T	5.0	5.03	UGL	100.6	(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	11.5	UGL	115.0	(82-130)	
RPD_LCS	1,1,2-Trichloroethane (1,1,2-T	101.200	100.600	UGL	0.6	(0-20)	
LCS1	1,1-Dichloroethylene (1,1DCE)	5.0	4.96	UGL	99.2	(81-129)	

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LCS2	1,1-Dichloroethylene (1,1DCE)	5.0	4.41	UGL	88.2	(81-129)
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	UGL		
MS	1,1-Dichloroethylene (1,1DCE)	10	11.2	UGL	112.0	(82-140)
RPD_LCS	1,1-Dichloroethylene (1,1DCE)	99.200	88.200	UGL	11.7	(0-20)
LCS1	1,1-Dichloroethane	5.0	5.17	UGL	103.4	(85-120)
LCS2	1,1-Dichloroethane	5.0	4.80	UGL	96.0	(85-120)
MBLK	1,1-Dichloroethane	ND	<0.5	UGL		
MS	1,1-Dichloroethane	10	10.8	UGL	108.0	(84-133)
RPD_LCS	1,1-Dichloroethane	103.400	96.000	UGL	7.4	(0-20)
LCS1	o-Dichlorobenzene (1,2-DCB)	5.0	5.26	UGL	105.2	(88-118)
LCS2	o-Dichlorobenzene (1,2-DCB)	5.0	5.00	UGL	100.0	(88-118)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL		
MS	o-Dichlorobenzene (1,2-DCB)	10	10.7	UGL	107.0	(85-119)
RPD_LCS	o-Dichlorobenzene (1,2-DCB)	105.200	100.000	UGL	5.1	(0-20)
LCS1	1,2-Dichloroethane	5.0	5.12	UGL	102.4	(86-123)
LCS2	1,2-Dichloroethane	5.0	4.88	UGL	97.6	(86-123)
MBLK	1,2-Dichloroethane	ND	<0.5	UGL		
MS	1,2-Dichloroethane	10	10.8	UGL	108.0	(81-133)
RPD_LCS	1,2-Dichloroethane	102.400	97.600	UGL	4.8	(0-20)
LCS1	1,2-Dichloropropane	5.0	4.96	UGL	99.2	(84-112)
LCS2	1,2-Dichloropropane	5.0	4.56	UGL	91.2	(84-112)
MBLK	1,2-Dichloropropane	ND	<0.5	UGL		
MS	1,2-Dichloropropane	10	10.4	UGL	104.0	(83-123)
RPD_LCS	1,2-Dichloropropane	99.200	91.200	UGL	8.4	(0-20)
LCS1	m-Dichlorobenzene (1,3-DCB)	5.0	6.26	UGL	125.2	(81-139)
LCS2	m-Dichlorobenzene (1,3-DCB)	5.0	5.50	UGL	110.0	(81-139)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND	<0.5	UGL		
MS	m-Dichlorobenzene (1,3-DCB)	10	12.8	UGL	128.0	(82-136)
RPD_LCS	m-Dichlorobenzene (1,3-DCB)	125.200	110.000	UGL	12.9	(0-20)
LCS1	p-Dichlorobenzene (1,4-DCB)	5.0	6.61	UGL	132.2	(83-140)
LCS2	p-Dichlorobenzene (1,4-DCB)	5.0	5.87	UGL	117.4	(83-140)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10	13.6	UGL	<u>136.0</u>	(80-135)
RPD_LCS	p-Dichlorobenzene (1,4-DCB)	132.200	117.400	UGL	11.9	(0-20)
LCS1	2-Butanone (MEK)	50	48.8	UGL	97.6	(71-120)
LCS2	2-Butanone (MEK)	50	45.8	UGL	91.6	(71-120)

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Tronox LLC - Henderson
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MBLK	2-Butanone (MEK)	ND	<10	UGL		
MS	2-Butanone (MEK)	100	87.6	UGL	87.6	(53-126)
RPD_LCS	2-Butanone (MEK)	97.600	91.600	UGL	6.3	(0-20)
LCS1	2-Hexanone	50	49.1	UGL	98.2	(75-115)
LCS2	2-Hexanone	50	47.7	UGL	95.4	(75-115)
MBLK	2-Hexanone	ND	<10	UGL		
MS	2-Hexanone	100	101	UGL	101.0	(58-139)
RPD_LCS	2-Hexanone	98.200	95.400	UGL	2.9	(0-20)
LCS1	4-Methyl-2-Pentanone (MIBK)	50	50.2	UGL	100.4	(76-118)
LCS2	4-Methyl-2-Pentanone (MIBK)	50	48.4	UGL	96.8	(76-118)
MBLK	4-Methyl-2-Pentanone (MIBK)	ND	<10	UGL		
MS	4-Methyl-2-Pentanone (MIBK)	100	106	UGL	106.0	(64-142)
RPD_LCS	4-Methyl-2-Pentanone (MIBK)	100.400	96.800	UGL	3.7	(0-20)
MS	Spiked sample	Lab # 27	08160167	NONE		(0-0)
LCS1	Acetone	50	47.4	UGL	94.8	(61-125)
LCS2	Acetone	50	43.3	UGL	86.6	(61-125)
MBLK	Acetone	ND	<10	UGL		
MS	Acetone	100	64.4	UGL	64.4	(17-132)
RPD_LCS	Acetone	94.800	86.600	UGL	9.0	(0-20)
LCS1	Benzene	5.0	5.21	UGL	104.2	(89-119)
LCS2	Benzene	5.0	4.91	UGL	98.2	(89-119)
MBLK	Benzene	ND	<0.5	UGL		
MS	Benzene	10	11.2	UGL	112.0	(85-131)
RPD_LCS	Benzene	104.200	98.200	UGL	5.9	(0-20)
LCS1	cis-1,2-Dichloroethene	5.0	5.30	UGL	106.0	(85-117)
LCS2	cis-1,2-Dichloroethene	5.0	4.89	UGL	97.8	(85-117)
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL		
MS	cis-1,2-Dichloroethene	10	11.5	UGL	115.0	(85-132)
RPD_LCS	cis-1,2-Dichloroethene	106.000	97.800	UGL	8.0	(0-20)
LCS1	Chlorobenzene	5.0	5.29	UGL	105.8	(88-118)
LCS2	Chlorobenzene	5.0	4.98	UGL	99.6	(88-118)
MBLK	Chlorobenzene	ND	<0.5	UGL		
MS	Chlorobenzene	10	11.3	UGL	113.0	(87-126)
RPD_LCS	Chlorobenzene	105.800	99.600	UGL	6.0	(0-20)
LCS1	cis-1,3-Dichloropropene	5.0	4.72	UGL	94.4	(75-109)
LCS2	cis-1,3-Dichloropropene	5.0	4.55	UGL	91.0	(75-109)

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MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL		
MS	cis-1,3-Dichloropropene	10	9.10	UGL	91.0	(50-133)
RPD_LCS	cis-1,3-Dichloropropene	94.400	91.000	UGL	3.7	(0-20)
LCS1	Bromoform	5.0	5.34	UGL	106.8	(75-129)
LCS2	Bromoform	5.0	4.89	UGL	97.8	(75-129)
MBLK	Bromoform	ND	<0.5	UGL		
MS	Bromoform	10	13.8	UGL	<u>138.0</u>	(68-131)
RPD_LCS	Bromoform	106.800	97.800	UGL	8.8	(0-20)
LCS1	Chloroform (Trichloromethane)	5.0	5.18	UGL	103.6	(85-121)
LCS2	Chloroform (Trichloromethane)	5.0	4.95	UGL	99.0	(85-121)
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL		
MS	Chloroform (Trichloromethane)	10	11.7	UGL	117.0	(81-140)
RPD_LCS	Chloroform (Trichloromethane)	103.600	99.000	UGL	4.5	(0-20)
LCS1	Chloroethane	5.0	5.17	UGL	103.4	(76-127)
LCS2	Chloroethane	5.0	4.49	UGL	89.8	(76-127)
MBLK	Chloroethane	ND	<0.5	UGL		
RPD_LCS	Chloroethane	103.400	89.800	UGL	14.1	(0-20)
LCS1	Carbon disulfide	5.0	4.91	UGL	98.2	(73-129)
LCS2	Carbon disulfide	5.0	4.46	UGL	89.2	(73-129)
MBLK	Carbon disulfide	ND	<0.5	UGL		
MS	Carbon disulfide	10	12.1	UGL	121.0	(80-138)
RPD_LCS	Carbon disulfide	98.200	89.200	UGL	9.6	(0-20)
LCS1	Carbon Tetrachloride	5.0	4.49	UGL	89.8	(79-124)
LCS2	Carbon Tetrachloride	5.0	4.22	UGL	84.4	(79-124)
MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10	12.9	UGL	129.0	(77-145)
RPD_LCS	Carbon Tetrachloride	89.800	84.400	UGL	6.2	(0-20)
LCS1	Dibromochloromethane	5.0	5.24	UGL	104.8	(79-118)
LCS2	Dibromochloromethane	5.0	4.97	UGL	99.4	(79-118)
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10	13.0	UGL	130.0	(78-133)
RPD_LCS	Dibromochloromethane	104.800	99.400	UGL	5.3	(0-20)
LCS1	Dichlorobromomethane	5.0	4.82	UGL	96.4	(80-115)
LCS2	Dichlorobromomethane	5.0	4.54	UGL	90.8	(80-115)
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10	11.8	UGL	118.0	(81-132)

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RPD_LCS	Dichlorobromomethane	96.400	90.800	UGL	6.0	(0-20)
LCS1	Ethyl benzene	5.0	5.30	UGL	106.0	(83-115)
LCS2	Ethyl benzene	5.0	4.90	UGL	98.0	(83-115)
MBLK	Ethyl benzene	ND	<0.5	UGL		
MS	Ethyl benzene	10	11.7	UGL	117.0	(85-128)
RPD_LCS	Ethyl benzene	106.000	98.000	UGL	7.8	(0-20)
LCS1	Dichlorodifluoromethane	5.0	3.54	UGL	70.8	(63-131)
LCS2	Dichlorodifluoromethane	5.0	3.16	UGL	63.2	(63-131)
MBLK	Dichlorodifluoromethane	ND	<0.5	UGL		
MS	Dichlorodifluoromethane	10	7.61	UGL	76.1	(74-151)
RPD_LCS	Dichlorodifluoromethane	70.800	63.200	UGL	11.3	(0-20)
LCS1	Methyl Bromide	5.0	5.08	UGL	101.6	(58-145)
LCS2	Methyl Bromide	5.0	4.71	UGL	94.2	(58-145)
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10	8.37	UGL	83.7	(48-158)
RPD_LCS	Methyl Bromide	101.600	94.200	UGL	7.6	(0-20)
LCS1	Methyl Chloride	5.0	4.95	UGL	99.0	(76-126)
LCS2	Methyl Chloride	5.0	4.49	UGL	89.8	(76-126)
MBLK	Methyl Chloride	ND	<0.5	UGL		
RPD_LCS	Methyl Chloride	99.000	89.800	UGL	9.7	(0-20)
LCS1	Methylene Chloride	5.0	5.24	UGL	104.8	(83-123)
LCS2	Methylene Chloride	5.0	4.89	UGL	97.8	(83-123)
MBLK	Methylene Chloride	ND	<3.0	UGL		
MS	Methylene Chloride	10	11.3	UGL	113.0	(83-134)
RPD_LCS	Methylene Chloride	104.800	97.800	UGL	6.9	(0-20)
LCS1	m,p-Xylenes	10	11.0	UGL	110.0	(89-120)
LCS2	m,p-Xylenes	10	10.3	UGL	103.0	(89-120)
MBLK	m,p-Xylenes	ND	<1.0	UGL		
MS	m,p-Xylenes	20	24.6	UGL	123.0	(85-139)
RPD_LCS	m,p-Xylenes	110.000	103.000	UGL	6.6	(0-20)
LCS1	o-Xylene	5.0	5.35	UGL	107.0	(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	12.2	UGL	122.0	(83-132)
RPD_LCS	o-Xylene	107.000	99.600	UGL	7.2	(0-20)
LCS1	1,1,2,2-Tetrachloroethane	5.0	5.79	UGL	115.8	(83-131)

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LCS2	1,1,2,2-Tetrachloroethane	5.0	5.33	UGL	106.6	(83-131)
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10	11.9	UGL	119.0	(83-127)
RPD_LCS	1,1,2,2-Tetrachloroethane	115.800	106.600	UGL	8.3	(0-20)
LCS1	Tetrachloroethylene (PCE)	5.0	5.09	UGL	101.8	(81-132)
LCS2	Tetrachloroethylene (PCE)	5.0	4.73	UGL	94.6	(81-132)
MBLK	Tetrachloroethylene (PCE)	ND	<0.5	UGL		
MS	Tetrachloroethylene (PCE)	10	12.2	UGL	122.0	(83-143)
RPD_LCS	Tetrachloroethylene (PCE)	101.800	94.600	UGL	7.3	(0-20)
LCS1	Styrene	5.0	5.46	UGL	109.2	(83-115)
LCS2	Styrene	5.0	5.12	UGL	102.4	(83-115)
MBLK	Styrene	ND	<0.5	UGL		
MS	Styrene	10	12.2	UGL	122.0	(56-140)
RPD_LCS	Styrene	109.200	102.400	UGL	6.4	(0-20)
LCS1	1,2-dichloroethane-d4	100	95	%R	95.0	(70-130)
LCS2	1,2-dichloroethane-d4	100	95	%R	95.0	(70-130)
MBLK	1,2-dichloroethane-d4	100	100	%R	100.0	
MS	1,2-dichloroethane-d4	100	102	%R	102.0	(70-130)
RPD_LCS	1,2-dichloroethane-d4	95.000	95.000	%R	0.0	(0-20)
LCS1	Toluene-d8	100	100	%R	100.0	(70-130)
LCS2	Toluene-d8	100	99	%R	99.0	(70-130)
MBLK	Toluene-d8	100	92	%R	92.0	
MS	Toluene-d8	100	104	%R	104.0	(70-130)
RPD_LCS	Toluene-d8	100.000	99.000	%R	1.0	(0-20)
LCS1	4-Bromofluorobenzene	100	105	%R	105.0	(70-130)
LCS2	4-Bromofluorobenzene	100	102	%R	102.0	(70-130)
MBLK	4-Bromofluorobenzene	100	103	%R	103.0	
MS	4-Bromofluorobenzene	100	104	%R	104.0	(70-130)
RPD_LCS	4-Bromofluorobenzene	105.000	102.000	%R	2.9	(0-20)
LCS1	trans-1,2-Dichloroethene	5.0	5.36	UGL	107.2	(84-126)
LCS2	trans-1,2-Dichloroethene	5.0	4.85	UGL	97.0	(84-126)
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		
MS	trans-1,2-Dichloroethene	10	11.7	UGL	117.0	(82-136)
RPD_LCS	trans-1,2-Dichloroethene	107.200	97.000	UGL	10.0	(0-20)
LCS1	1,1,1-Trichloroethane	5.0	4.92	UGL	98.4	(82-121)
LCS2	1,1,1-Trichloroethane	5.0	4.54	UGL	90.8	(82-121)

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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	98.400	90.800	UGL	8.0	(0-20)
LCS1	Trichloroethylene (TCE)	5.0	5.12	UGL	102.4	(86-120)
LCS2	Trichloroethylene (TCE)	5.0	4.73	UGL	94.6	(86-120)
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10	11.8	UGL	118.0	(86-130)
RPD_LCS	Trichloroethylene (TCE)	102.400	94.600	UGL	7.9	(0-20)
LCS1	Trichlorofluoromethane	5.0	4.97	UGL	99.4	(76-133)
LCS2	Trichlorofluoromethane	5.0	4.67	UGL	93.4	(76-133)
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		
MS	Trichlorofluoromethane	10	11.4	UGL	114.0	(75-153)
RPD_LCS	Trichlorofluoromethane	99.400	93.400	UGL	6.2	(0-20)
LCS1	trans-1,3-Dichloropropene	5.0	4.56	UGL	91.2	(71-114)
LCS2	trans-1,3-Dichloropropene	5.0	4.25	UGL	85.0	(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	91.200	85.000	UGL	7.0	(0-20)
LCS1	Tetrahydrofuran	50	50.3	UGL	100.6	(79-121)
LCS2	Tetrahydrofuran	50	50.8	UGL	101.6	(79-121)
MBLK	Tetrahydrofuran	ND	<10	UGL		
MS	Tetrahydrofuran	100	113	UGL	113.0	(66-134)
RPD_LCS	Tetrahydrofuran	100.600	101.600	UGL	1.0	(0-20)
LCS1	Toluene	5.0	5.17	UGL	103.4	(88-118)
LCS2	Toluene	5.0	4.89	UGL	97.8	(88-118)
MBLK	Toluene	ND	<0.5	UGL		
MS	Toluene	10	11.5	UGL	115.0	(87-128)
RPD_LCS	Toluene	103.400	97.800	UGL	5.6	(0-20)
LCS1	Vinyl Chloride (VC)	5.0	4.54	UGL	90.8	(72-125)
LCS2	Vinyl Chloride (VC)	5.0	3.96	UGL	79.2	(72-125)
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL		
MS	Vinyl Chloride (VC)	10	8.71	UGL	87.1	(79-137)
RPD_LCS	Vinyl Chloride (VC)	90.800	79.200	UGL	13.6	(0-20)
LCS1	Vinyl Acetate	25	24.9	UGL	99.6	(61-125)
LCS2	Vinyl Acetate	25	23.6	UGL	94.4	(61-125)
MBLK	Vinyl Acetate	ND	<10	UGL		

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MS	Vinyl Acetate	50	51.9	UGL	103.8	(40-142)
RPD_LCS	Vinyl Acetate	99.600	94.400	UGL	5.4	(0-20)

QC Ref #381861 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08160158	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	41900	36700	MGL		(0-10)	<u>13.2</u>
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	682	MGL	97.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	100.571	97.429	MGL	3.2	(0-20)	

QC Ref #381960 Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08130334	UGL		(0-0)	
LCS1	Mercury	1.50	1.50	UGL	100.0	(85-115)	
LCS2	Mercury	1.50	1.50	UGL	100.0	(85-115)	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.199	UGL	99.5	(50-150)	
MS	Mercury	1.50	1.49	UGL	99.3	(70-130)	
MSD	Mercury	1.50	1.49	UGL	99.3	(70-130)	
RPD_LCS	Mercury	100.000	100.000	UGL	0.0	(0-20)	
RPD_MS	Mercury	99.333	99.333	UGL	0.0	(0-20)	

QC Ref #381998 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08150590	MGL		(0-0)	
LCS1	Alkalinity in CaCO3 units	100	102	MGL	102.0	(90-110)	
LCS2	Alkalinity in CaCO3 units	100	103	MGL	103.0	(90-110)	

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QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	2.36	MGL	118.0	(50-150)	
MS	Alkalinity in CaCO3 units	100	102	MGL	102.0	(80-120)	
MS2	Alkalinity in CaCO3 units	100	93.0	MGL	93.0	(80-120)	
MSD	Alkalinity in CaCO3 units	100	105	MGL	105.0	(80-120)	
MSD2	Alkalinity in CaCO3 units	100	95.0	MGL	95.0	(80-120)	
RPD_LCS	Alkalinity in CaCO3 units	102.000	103.000	MGL	1.0	(0-10)	
RPD_MS	Alkalinity in CaCO3 units	102.000	105.000	MGL	2.9	(0-20)	

QC Ref #382164 Weak Acid Dissociable Cyanide

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140601	MGL		(0-0)	
LCS1	Weak Acid Dissociable Cyanide	0.1	0.101	MGL	101.0	(90-110)	
LCS2	Weak Acid Dissociable Cyanide	0.1	0.101	MGL	101.0	(90-110)	
MBLK	Weak Acid Dissociable Cyanide	ND	<0.0050	MGL			
MS	Weak Acid Dissociable Cyanide	0.1	0.112	MGL	112.0	(85-115)	
MSD	Weak Acid Dissociable Cyanide	0.1	0.112	MGL	112.0	(85-115)	

QC Ref #382316 Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	08140089	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	08150178	UGL		(0-0)	
LCS1	Selenium, Total, ICAP/MS	20	19.0	UGL	95.0	(85-115)	
LCS2	Selenium, Total, ICAP/MS	20	19.4	UGL	97.0	(85-115)	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	4.81	UGL	96.2	(50-150)	
MS	Selenium, Total, ICAP/MS	20	20.7	UGL	103.5	(70-130)	
MS2	Selenium, Total, ICAP/MS	20	24.0	UGL	120.0	(70-130)	
MSD	Selenium, Total, ICAP/MS	20	21.8	UGL	109.0	(70-130)	
MSD2	Selenium, Total, ICAP/MS	20	25.6	UGL	128.0	(70-130)	
RPD_LCS	Selenium, Total, ICAP/MS	95.000	97.000	UGL	2.1	(0-20)	
RPD_MS	Selenium, Total, ICAP/MS	103.500	109.000	UGL	5.2	(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.



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Laboratory
QC Report
#213192

Tronox LLC - Henderson
(continued)

QC Ref #382448 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	4.97	MGL	99.4	(85-115)	
LCS2	Iron, Total, ICAP	5.0	4.89	MGL	97.8	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0184	MGL	92.0	(50-150)	
MS	Iron, Total, ICAP	5.0	5.00	MGL	100.0	(70-130)	
MS2	Iron, Total, ICAP	5.0	4.79	MGL	95.8	(70-130)	
MSD	Iron, Total, ICAP	5.0	5.00	MGL	100.0	(70-130)	
MSD2	Iron, Total, ICAP	5.0	4.77	MGL	95.4	(70-130)	
RPD_LCS	Iron, Total, ICAP	99.400	97.800	MGL	1.6	(0-20)	
RPD_MS	Iron, Total, ICAP	100.000	100.000	MGL	0.0	(0-20)	

QC Ref #382853 Zinc, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Zinc, Total, ICAP	1.00	1.08	MGL	108.0	(85-115)	
LCS2	Zinc, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
MBLK	Zinc, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Zinc, Total, ICAP	0.020	0.021	MGL	105.0	(50-150)	
MS	Zinc, Total, ICAP	1.00	1.17	MGL	117.0	(70-130)	
MSD	Zinc, Total, ICAP	1.00	1.15	MGL	115.0	(70-130)	

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