MWH Laboratories
A Division of MWH Americas, Inc.

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

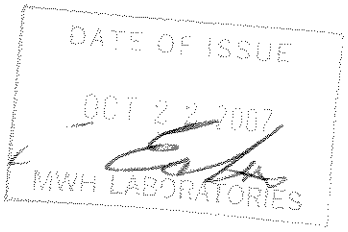
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager

Report#: 215919
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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October 22, 2007

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

Subject: Case Narrative report 215919

Enclosed is MWH Laboratories Report 215919

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

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

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

215919

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

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN X PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	UIC permit - Water Supply Profile 1

Sampler: Wendy Prescott

Susan Crowley (702) 651-2234

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

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

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

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	SEE BOTTLE ORDER	SAMPLER COMMENTS
10:00	9/10/2007		Stabilized Water	RSW	X		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	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Wendy Prescott	Veolia Water NA for Kerr-McGee Chemcal LLC	9/10/2007	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

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

Bottle Order for Tronox LLC- Henderson

Standing

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

M Monthly
Period
Week 1

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

SO# 37653 12996 **RS**
0

Sampler: Please Return this Paper with your samples

Created by
Order Date 08/08/07

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

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

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
1	@VOAPP	3 40ml amber glass vials+ 4 drops HCL(36%)	UN 1789
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

Important Comments

Monthly standing order - sampleID= **Stabilized Water**

Login use profile - #KERRMO

(profile consists of:

voapp, pb-ms, mg, mn-ms,
clo4, ni-ms,ph, k, se-ms,
wcn, ag-ms, na, so4, tl-ms
alk tds, zn
al-ms, sb-ms, ba-ms, be-ms
B, cd-ms, ca, cl, cr-ms
cu-ms, f, fe

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

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: 142765

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	Date	FROM NO. STATION: STATE
Federal Express	09/10/07	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400 If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES		
☒ Prepaid ☐ Collect		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM: Henderson, NV

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 ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ 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
		0	
1	TOTAL GROSS WEIGHT 18	TOTAL TARE WEIGHT 0	18

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

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

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

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

FedEx Express

CLS852987/21/23

Ship Date: 10SEP07
ActWgt: 18 LB
System#: 2274147/INET7061
Account#: S *********

Delivery Address Bar Code

SCANNED

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

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

MONROVIA, CA 910163629

Ref # MSO #142765
Invoice #
PO #
Dept #

TRK# 0201 7987 5984 0965

TUE - 11SEP **A2**
PRIORITY OVERNIGHT

BUR
CA-US
91016

QZ-WHPA

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#: 215919
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **09/11/07**. 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	Matrix	Sample Date
	Tests Scheduled		
2709110858	STABILIZED WATER	Water	10-sep-2007 10:00:00
	@VOAPP AG-MS AL-MS ALK ANION1 AS-MS		
	B BA-MS BALANCE BE-MS CA CATION1		
	CD-MS CL CLO4 CO3 CR-MS CU-MS		
	EC F FE HCO3 HG K		
	MG MN-MS NA NI-MS NO3 OH		
	PB-MS PH SB-MS SE-MS SO4 TDS		
	TL-MS WCN ZN		

Test Acronym Description

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

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#: 215919
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
#215919

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#: 2709110858)

Test: 1,1-Dichloroethylene (1,1DCE) (ML/EPA 624)

M1 - Matrix spike recovery was high, the method control sample recovery was acceptable.

Test: 1,2-Dichloropropane (ML/EPA 624)

M1 - Matrix spike recovery was high, the method control sample recovery was acceptable.

Test: 2-Butanone (MEK) (ML/EPA 624)

M1 - Matrix spike recovery was high, the method control sample recovery was acceptable.

Test: Carbon disulfide (ML/EPA 624)

M1 - Matrix spike recovery was high, the method control sample recovery was acceptable.

Test: Tetrahydrofuran (ML/EPA 624)

L1 - The associated blank spike recovery was above laboratory acceptance limits.

M1 - Matrix spike recovery was high, the method control sample recovery was acceptable.

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Laboratory
Hits Report
#215919

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

Samples Received
11-sep-2007 17:54:33

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2709110858	STABILIZED WATER				
09/21/07	Chloroform (Trichloromethane)		1.7		ug/l	0.5
09/21/07	Dibromochloromethane		0.6		ug/l	0.5
09/21/07	Dichlorobromomethane		1.5		ug/l	0.5
09/18/07	Alkalinity in CaCO3 units		141		mg/l	2.0
09/28/07	Anion Sum - Calculated		10		meq/l	0.0050
10/11/07	Arsenic, Total, ICAP/MS		2.2	10	ug/l	1.0
09/26/07	Barium, Total, ICAP/MS		150	2000	ug/l	2.0
09/28/07	Bicarb.Alkalinity as HCO3,calc		170		mg/l	2.0
09/18/07	Boron, Total, ICAP		0.12		mg/l	0.050
09/18/07	Calcium, Total, ICAP		71		mg/l	1.0
09/28/07	Cation Sum - Calculated		9.7		meq/l	0.0010
09/11/07	Chloride		87	250	mg/l	5.0
09/26/07	Chromium, Total, ICAP/MS		1.4	100	ug/l	1.0
09/14/07	Fluoride		0.34	4	mg/l	0.050
09/18/07	Iron, Total, ICAP		0.03	0.3	mg/l	0.020
09/18/07	Magnesium, Total, ICAP		26		mg/l	0.10
09/12/07	PH (H3=past HT, not compliant)		7.7	6.5-8.5	Units	0.010
09/12/07	Perchlorate		12		ug/l	4.0
09/18/07	Potassium, Total, ICAP		4.7		mg/l	1.0
09/18/07	Sodium, Total, ICAP		89		mg/l	1.0
09/13/07	Specific Conductance		971		umho/cm	2.0
09/11/07	Sulfate		240	250	mg/l	2.5
09/14/07	Total Dissolved Solid (TDS)		652	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#215919

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

Samples Received
09/11/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
STABILIZED WATER (2709110858) Sampled on 09/10/07 10:00								
	09/26/07 19:44	387698	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	09/26/07 19:44	387703	(ML/EPA 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	20	1
	09/18/07 09:34	386389	(SM2320B/ 310.1)	Alkalinity in CaCO3 units	141	mg/l	2.0	1
	09/28/07 11:31	387895	(ML/SM1030E)	Anion Sum - Calculated	10	meq/l	0.0050	5
	10/11/07 09:26	391915	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	2.2	ug/l	1.0	1
	09/18/07 02:38	386496	(ML/EPA 200.7)	Boron, Total, ICAP	0.12	mg/l	0.050	1
	09/26/07 19:44	387705	(ML/EPA 200.8)	Barium, Total, ICAP/MS	150	ug/l	2.0	1
	09/26/07 19:44	387681	(ML/EPA 200.8)	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	09/18/07 02:38	386501	(ML/EPA 200.7)	Calcium, Total, ICAP	71	mg/l	1.0	1
	09/28/07 11:31	387895	(ML/SM1030E)	Cation Sum - Calculated	9.7	meq/l	0.0010	1
	09/26/07 19:44	387700	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	09/11/07 19:25	385321	(ML/EPA 300.0)	Chloride	87	mg/l	5.0	5
	09/12/07 11:15	385334	(EPA 314)	Perchlorate	12	ug/l	4.0	1
	09/28/07 11:31	387895	(SM2330B)	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	09/26/07 19:44	387716	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	1.4	ug/l	1.0	1
	09/26/07 19:44	387687	(ML/EPA 200.8)	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	09/13/07 11:34	385585	(SM2510B)	Specific Conductance	971	umho/cm	2.0	1
	09/14/07 00:00	385796	(SM 4500F-C)	Fluoride	0.34	mg/l	0.050	1
	09/18/07 02:38	386476	(ML/EPA 200.7)	Iron, Total, ICAP	0.03	mg/l	0.020	1
	09/28/07 11:31	387895	(SM2330B)	Bicarb.Alkalinity as HCO3,calc	170	mg/l	2.0	1
	09/14/07 14:07	385713	(ML/EPA 245.1)	Mercury	ND	ug/l	0.20	1
	09/18/07 02:38	386481	(ML/EPA 200.7)	Potassium, Total, ICAP	4.7	mg/l	1.0	1
	09/18/07 02:38	386485	(ML/EPA 200.7)	Magnesium, Total, ICAP	26	mg/l	0.10	1
	09/26/07 19:44	387718	(ML/EPA 200.8)	Manganese, Total, ICAP/MS	ND	ug/l	2.0	1
	09/18/07 02:38	386494	(ML/EPA 200.7)	Sodium, Total, ICAP	89	mg/l	1.0	1
	09/26/07 19:44	387685	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	09/11/07 19:25	385327	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	ND	mg/l	0.50	5
	09/18/07 11:28	386022	(SM2330B)	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	09/26/07 19:44	387709	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	09/12/07 00:00	385301	(SM4500-HB)	PH (H3=past HT, not compliant)	7.7	Units	0.010	1
	09/26/07 19:44	387702	(ML/EPA 200.8)	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	09/26/07 19:44	387694	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	09/11/07 19:25	385316	(ML/EPA 300.0)	Sulfate	240	mg/l	2.5	5
09/14/07	09/14/07 15:30	385988	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	652	mg/l	10	1
	09/26/07 19:44	387707	(ML/EPA 200.8)	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
09/12/07	09/14/07 00:00	385827	(SM4500CN-I)	Weak Acid Dissociable Cyanide	ND	mg/l	0.0050	1
	09/25/07 00:00	387520	(EPA/ML 200.7)	Zinc, Total, ICAP	ND	mg/l	0.020	1
				Volatile Organics HSL				
	09/21/07 19:50	387239	(EPA 624)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	1,1-Dichloroethylene (1,1DCE)	ND(M1)	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	1,1-Dichloroethane	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	1,2-Dichloroethane	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	1,2-Dichloropropane	ND(M1)	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	2-Butanone (MEK)	ND(M1)	ug/l	10	1
	09/21/07 19:50	387239	(EPA 624)	2-Hexanone	ND	ug/l	10	1
	09/21/07 19:50	387239	(EPA 624)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	09/21/07 19:50	387239	(EPA 624)	Acetone	ND	ug/l	10	1
	09/21/07 19:50	387239	(EPA 624)	Acrolein (Screen)	ND	ug/l	50	1
	09/21/07 19:50	387239	(EPA 624)	Acrylonitrile (Screen)	ND	ug/l	50	1
	09/21/07 19:50	387239	(EPA 624)	Benzene	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	cis-1,2-Dichloroethene	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Chlorobenzene	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	cis-1,3-Dichloropropene	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Bromoform	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Chloroform (Trichloromethane)	1.7	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Chloroethane	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Carbon disulfide	ND(M1)	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Carbon Tetrachloride	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Dibromochloromethane	0.6	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Dichlorobromomethane	1.5	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Ethyl benzene	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Methyl Bromide	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624)	Methyl Chloride	ND	ug/l	0.5	1

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Laboratory
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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	09/21/07 19:50	387239	(EPA 624	) Methylene Chloride	ND	ug/l	3.0	1
	09/21/07 19:50	387239	(EPA 624	) m,p-Xylenes	ND	ug/l	1.0	1
	09/21/07 19:50	387239	(EPA 624	) o-Xylene	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) Tetrachloroethylene (PCE)	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) Styrene	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) trans-1,2-Dichloroethene	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) 1,1,1-Trichloroethane	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) Trichloroethylene (TCE)	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) Trichlorofluoromethane	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) trans-1,3-Dichloropropene	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) Tetrahydrofuran	ND(L1M1)	ug/l	10	1
	09/21/07 19:50	387239	(EPA 624	) Toluene	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) Vinyl Chloride (VC)	ND	ug/l	0.5	1
	09/21/07 19:50	387239	(EPA 624	) Vinyl Acetate	ND	ug/l	10	1
			(EPA 624	) 4-Bromofluorobenzene(86-115)	93	% Rec		
			(EPA 624	) Toluene-d8(88-110)	96	% Rec		
			(EPA 624	) 1.2-Dichloroethane-d4(80-120)	110	% Rec		

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Laboratory
QC Summary
#215919

Tronox LLC - Henderson

QC Ref #385301 - PH (H3=past HT, not compliant) **Analysis Date: 09/12/2007**

2709110858 STABILIZED WATER Analyzed by: faj

QC Ref #385316 - Sulfate **Analysis Date: 09/11/2007**

2709110858 STABILIZED WATER Analyzed by: tlh

QC Ref #385321 - Chloride **Analysis Date: 09/11/2007**

2709110858 STABILIZED WATER Analyzed by: tlh

QC Ref #385327 - Nitrate as Nitrogen by IC **Analysis Date: 09/11/2007**

2709110858 STABILIZED WATER Analyzed by: tlh

QC Ref #385334 - Perchlorate **Analysis Date: 09/12/2007**

2709110858 STABILIZED WATER Analyzed by: clv

QC Ref #385585 - Specific Conductance **Analysis Date: 09/13/2007**

2709110858 STABILIZED WATER Analyzed by: sar

QC Ref #385713 - Mercury **Analysis Date: 09/14/2007**

2709110858 STABILIZED WATER Analyzed by: nina

QC Ref #385796 - Fluoride **Analysis Date: 09/14/2007**

2709110858 STABILIZED WATER Analyzed by: faj

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QC Ref #385827 - Weak Acid Dissociable Cyanide **Analysis Date: 09/14/2007**

2709110858 STABILIZED WATER Analyzed by: lupe

QC Ref #385988 - Total Dissolved Solid (TDS) **Analysis Date: 09/14/2007**

2709110858 STABILIZED WATER Analyzed by: yvette

QC Ref #386022 - Hydroxide as OH, Calculated **Analysis Date: 09/18/2007**

2709110858 STABILIZED WATER Analyzed by: dwr

QC Ref #386389 - Alkalinity in CaCO3 units **Analysis Date: 09/18/2007**

2709110858 STABILIZED WATER Analyzed by: axa

QC Ref #386476 - Iron, Total, ICAP **Analysis Date: 09/18/2007**

2709110858 STABILIZED WATER Analyzed by: wbh

QC Ref #386481 - Potassium, Total, ICAP **Analysis Date: 09/18/2007**

2709110858 STABILIZED WATER Analyzed by: wbh

QC Ref #386485 - Magnesium, Total, ICAP **Analysis Date: 09/18/2007**

2709110858 STABILIZED WATER Analyzed by: wbh

QC Ref #386494 - Sodium, Total, ICAP **Analysis Date: 09/18/2007**

2709110858 STABILIZED WATER Analyzed by: wbh

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(continued)

QC Ref #386496 - Boron, Total, ICAP **Analysis Date: 09/18/2007**

2709110858 STABILIZED WATER Analyzed by: wbh

QC Ref #386501 - Calcium, Total, ICAP **Analysis Date: 09/18/2007**

2709110858 STABILIZED WATER Analyzed by: wbh

QC Ref #387239 - Volatile Organics HSL **Analysis Date: 09/21/2007**

2709110858 STABILIZED WATER Analyzed by: kcp

QC Ref #387520 - Zinc, Total, ICAP **Analysis Date: 09/25/2007**

2709110858 STABILIZED WATER Analyzed by: wbh

QC Ref #387681 - Beryllium, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

QC Ref #387685 - Nickel, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

QC Ref #387687 - Copper, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

QC Ref #387694 - Selenium, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

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(continued)

QC Ref #387698 - Silver, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

QC Ref #387700 - Cadmium, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

QC Ref #387702 - Antimony, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

QC Ref #387703 - Aluminum, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

QC Ref #387705 - Barium, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

QC Ref #387707 - Thallium, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

QC Ref #387709 - Lead, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

QC Ref #387716 - Chromium, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858 STABILIZED WATER Analyzed by: dyh

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QC Ref #387718 - Manganese, Total, ICAP/MS **Analysis Date: 09/26/2007**

2709110858	STABILIZED WATER	Analyzed by: dyh

QC Ref #387895 - Anion Sum - Calculated **Analysis Date: 09/28/2007**

2709110858	STABILIZED WATER	Analyzed by: dwr
2709110858	STABILIZED WATER	Analyzed by: dwr
2709110858	STABILIZED WATER	Analyzed by: dwr
2709110858	STABILIZED WATER	Analyzed by: dwr
2709110858	STABILIZED WATER	Analyzed by: dwr

QC Ref #391915 - Arsenic, Total, ICAP/MS **Analysis Date: 10/11/2007**

2709110858	STABILIZED WATER	Analyzed by: dyh

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Tronox LLC - Henderson

QC Ref #385301 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110999	UNIT		(0-0)	
DUP	PH (H3=past HT, not compliant)	7.71	7.71	UNIT		(0-20)	0.0

QC Ref #385316 Sulfate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110817	MGL		(0-0)	
LCS1	Sulfate	50	51.4	MGL	102.8	(90-110)	
LCS2	Sulfate	50	50.6	MGL	101.2	(90-110)	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	1.00	0.929	MGL	92.9	(50-150)	
MS	Sulfate	25	24.7	MGL	98.8	(83-115)	
MSD	Sulfate	25	24.8	MGL	99.2	(83-115)	
RPD_LCS	Sulfate	102.800	101.200	MGL	1.6	(0-20)	
RPD_MS	Sulfate	98.800	99.200	MGL	0.4	(0-20)	

QC Ref #385321 Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110817	MGL		(0-0)	
LCS1	Chloride	25	25.8	MGL	103.2	(90-110)	
LCS2	Chloride	25	25.4	MGL	101.6	(90-110)	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.429	MGL	85.8	(50-150)	
MS	Chloride	12.5	12.7	MGL	101.6	(74-126)	
MSD	Chloride	12.5	12.7	MGL	101.6	(74-126)	
RPD_LCS	Chloride	103.200	101.600	MGL	1.6	(0-20)	
RPD_MS	Chloride	101.600	101.600	MGL	0.0	(0-20)	

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

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(continued)

QC Ref #385327 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110817	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.50	MGL	100.0	(90-110)	
LCS2	Nitrate as Nitrogen by IC	2.5	2.45	MGL	98.0	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0484	MGL	96.8	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.24	MGL	99.2	(80-112)	
MSD	Nitrate as Nitrogen by IC	1.25	1.24	MGL	99.2	(80-112)	
RPD_LCS	Nitrate as Nitrogen by IC	100.000	98.000	MGL	2.0	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	99.200	99.200	MGL	0.0	(0-20)	

QC Ref #385334 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	09110858	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.9	UGL	103.6	(85-115)	
LCS2	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS3	Perchlorate	4	3.82	UGL	95.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.7	UGL	102.8	(80-120)	
MSD	Perchlorate	25.0	29.8	UGL	119.2	(80-120)	
RPD_LCS	Perchlorate	103.600	106.400	UGL	2.7	(0-15)	
RPD_MS	Perchlorate	102.800	119.200	UGL	1.2	(0-15)	

QC Ref #385585 Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	372	374	UMHO		(0-20)	0.5
DUP2	Specific Conductance	971	978	UMHO		(0-20)	0.7
LCS1	Specific Conductance	1000	995	UMHO	99.5	(90-110)	

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LCS2	Specific Conductance	1000	991	UMHO	99.1	(90-110)
MBLK	Specific Conductance	ND	<2.0	UMHO		
MRL_CHK	Specific Conductance	2.00	1.70	UMHO	85.0	(50-150)

QC Ref #385713 Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	09040219	UGL		(0-0)	
LCS1	Mercury	1.50	1.46	UGL	97.3	(85-115)	
LCS2	Mercury	1.50	1.48	UGL	98.7	(85-115)	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.201	UGL	100.5	(50-150)	
MS	Mercury	1.50	1.45	UGL	96.7	(70-130)	
MSD	Mercury	1.50	1.48	UGL	98.7	(70-130)	
RPD_LCS	Mercury	97.333	98.667	UGL	1.4	(0-20)	
RPD_MS	Mercury	96.667	98.667	UGL	2.0	(0-20)	

QC Ref #385796 Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	09120581	MGL		(0-0)	
CCC3	Fluoride	10.0	10.04	MGL	100.4	(81-116)	
CCCH	Fluoride	10.0	10.25	MGL	102.5	(81-116)	
CCCL	Fluoride	0.5	0.536	MGL	107.2	(81-116)	
CCCM	Fluoride	0.5	0.541	MGL	108.2	(81-116)	
CCCS	Fluoride	0.05	0.052	MGL	104.0	(81-116)	
LCS1	Fluoride	1.00	1.03	MGL	103.0	(81-116)	
LCS2	Fluoride	1.00	1.09	MGL	109.0	(81-116)	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.055	MGL	110.0	(50-150)	
MS	Fluoride	1.00	0.985	MGL	98.5	(73-124)	
MS2	Fluoride	1.00	0.992	MGL	99.2	(73-124)	
MSD	Fluoride	1.00	1.00	MGL	100.0	(73-124)	
RPD_LCS	Fluoride	103.000	109.000	MGL	5.7	(0-20)	

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RPD_MS	Fluoride	98.500	100.000	MGL	1.5	(0-20)

QC Ref #385827 Weak Acid Dissociable Cyanide

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110895	MGL		(0-0)	
LCS1	Weak Acid Dissociable Cyanide	0.1	0.102	MGL	102.0	(90-110)	
LCS2	Weak Acid Dissociable Cyanide	0.1	0.102	MGL	102.0	(90-110)	
MBLK	Weak Acid Dissociable Cyanide	ND	<0.0050	MGL			
MS	Weak Acid Dissociable Cyanide	0.1	0.108	MGL	108.0	(85-115)	
MSD	Weak Acid Dissociable Cyanide	0.1	0.113	MGL	113.0	(85-115)	

QC Ref #385988 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09100228	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	252	262	MGL		(0-10)	3.9
LCS1	Total Dissolved Solid (TDS)	175	182	MGL	104.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	696	MGL	99.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	13	MGL	130.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	104.000	99.429	MGL	4.5	(0-20)	

QC Ref #386389 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	09120579	MGL		(0-0)	
LCS1	Alkalinity in CaCO3 units	100	105	MGL	105.0	(90-110)	
LCS2	Alkalinity in CaCO3 units	100	98.7	MGL	98.7	(90-110)	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	1.56	MGL	78.0	(50-150)	
MS	Alkalinity in CaCO3 units	100	97.0	MGL	97.0	(80-120)	
MS2	Alkalinity in CaCO3 units	100	86.0	MGL	86.0	(80-120)	

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MSD	Alkalinity in CaCO3 units	100	99.0	MGL	99.0	(60-120)	
MSD2	Alkalinity in CaCO3 units	100	84.0	MGL	84.0	(80-120)	
RPD_LCS	Alkalinity in CaCO3 units	105.000	98.700	MGL	6.2	(0-10)	
RPD_MS	Alkalinity in CaCO3 units	97.000	99.000	MGL	2.0	(0-20)	

QC Ref #386476 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	4.69	MGL	93.8	(85-115)	
LCS2	Iron, Total, ICAP	5.0	4.79	MGL	95.8	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.024	MGL	120.0	(50-150)	
MS	Iron, Total, ICAP	5.0	4.78	MGL	95.6	(70-130)	
MSD	Iron, Total, ICAP	5.0	4.74	MGL	94.8	(70-130)	
RPD_LCS	Iron, Total, ICAP	93.800	95.800	MGL	2.1	(0-20)	
RPD_MS	Iron, Total, ICAP	95.600	94.800	MGL	0.8	(0-20)	

QC Ref #386481 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	20.7	MGL	103.5	(85-115)	
LCS2	Potassium, Total, ICAP	20	21.0	MGL	105.0	(85-115)	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	0.889	MGL	88.9	(50-150)	
MS	Potassium, Total, ICAP	20	20.7	MGL	103.5	(70-130)	
MSD	Potassium, Total, ICAP	20	20.4	MGL	102.0	(70-130)	
RPD_LCS	Potassium, Total, ICAP	103.500	105.000	MGL	1.4	(0-20)	
RPD_MS	Potassium, Total, ICAP	103.500	102.000	MGL	1.5	(0-20)	

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Tronox LLC - Henderson
(continued)

QC Ref #386485 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	20.2	MGL	101.0	(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	0.107	MGL	107.0	(50-150)	
MS	Magnesium, Total, ICAP	20	19.6	MGL	98.0	(70-130)	
MSD	Magnesium, Total, ICAP	20	19.6	MGL	98.0	(70-130)	
RPD_LCS	Magnesium, Total, ICAP	101.000	102.500	MGL	1.5	(0-20)	
RPD_MS	Magnesium, Total, ICAP	98.000	98.000	MGL	0.0	(0-20)	

QC Ref #386494 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	51.6	MGL	103.2	(85-115)	
LCS2	Sodium, Total, ICAP	50	52.2	MGL	104.4	(85-115)	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	0.905	MGL	90.5	(50-150)	
MS	Sodium, Total, ICAP	50	47.2	MGL	94.4	(70-130)	
MSD	Sodium, Total, ICAP	50	46.2	MGL	92.4	(70-130)	
RPD_LCS	Sodium, Total, ICAP	103.200	104.400	MGL	1.2	(0-20)	
RPD_MS	Sodium, Total, ICAP	94.400	92.400	MGL	2.1	(0-20)	

QC Ref #386496 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.458	MGL	91.6	(85-115)	
LCS2	Boron, Total, ICAP	0.5	0.464	MGL	92.8	(85-115)	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.061	MGL	122.0	(50-150)	
MS	Boron, Total, ICAP	0.5	0.479	MGL	95.8	(70-130)	

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MSD	Boron, Total, ICAP	0.5	0.471	MGL	94.2	(70-130)
RPD_LCS	Boron, Total, ICAP	91.600	92.800	MGL	1.3	(0-20)
RPD_MS	Boron, Total, ICAP	95.800	94.200	MGL	1.7	(0-20)

QC Ref #386501 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	50.2	MGL	100.4	(85-115)	
LCS2	Calcium, Total, ICAP	50	50.9	MGL	101.8	(85-115)	
MBLK	Calcium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Calcium, Total, ICAP	1.000	1.06	MGL	106.0	(50-150)	
MS	Calcium, Total, ICAP	50	48.8	MGL	97.6	(70-130)	
MSD	Calcium, Total, ICAP	50	48.6	MGL	97.2	(70-130)	
RPD_LCS	Calcium, Total, ICAP	100.400	101.800	MGL	1.4	(0-20)	
RPD_MS	Calcium, Total, ICAP	97.600	97.200	MGL	0.4	(0-20)	

QC Ref #387239 Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,2-Trichloroethane (1,1,2-T	5.0	5.35	UGL	107.0	(82-117)	
LCS2	1,1,2-Trichloroethane (1,1,2-T	5.0	4.72	UGL	94.4	(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	12.4	UGL	124.0	(82-130)	
RPD_LCS	1,1,2-Trichloroethane (1,1,2-T	107.000	94.400	UGL	12.5	(0-20)	
LCS1	1,1-Dichloroethylene (1,1DCE)	5.0	5.96	UGL	119.2	(81-129)	
LCS2	1,1-Dichloroethylene (1,1DCE)	5.0	5.39	UGL	107.8	(81-129)	
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	UGL			
MS	1,1-Dichloroethylene (1,1DCE)	10	14.3	UGL	143.0	(82-140)	
RPD_LCS	1,1-Dichloroethylene (1,1DCE)	119.200	107.800	UGL	10.0	(0-20)	
LCS1	1,1-Dichloroethane	5.0	5.56	UGL	111.2	(85-120)	
LCS2	1,1-Dichloroethane	5.0	5.09	UGL	101.8	(85-120)	
MBLK	1,1-Dichloroethane	ND	<0.5	UGL			
MS	1,1-Dichloroethane	10	12.9	UGL	129.0	(84-133)	
RPD_LCS	1,1-Dichloroethane	111.200	101.800	UGL	8.8	(0-20)	

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LCS1	o-Dichlorobenzene (1,2-DCB)	5.0	4.81	UGL	96.2	(88-118)
LCS2	o-Dichlorobenzene (1,2-DCB)	5.0	4.56	UGL	91.2	(88-118)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL		
MS	o-Dichlorobenzene (1,2-DCB)	10	11.5	UGL	115.0	(85-119)
RPD_LCS	o-Dichlorobenzene (1,2-DCB)	96.200	91.200	UGL	5.3	(0-20)
LCS1	1,2-Dichloroethane	5.0	5.58	UGL	111.6	(86-123)
LCS2	1,2-Dichloroethane	5.0	5.16	UGL	103.2	(86-123)
MBLK	1,2-Dichloroethane	ND	<0.5	UGL		
MS	1,2-Dichloroethane	10	13.0	UGL	130.0	(81-133)
RPD_LCS	1,2-Dichloroethane	111.600	103.200	UGL	7.8	(0-20)
LCS1	1,2-Dichloropropane	5.0	5.44	UGL	108.8	(84-112)
LCS2	1,2-Dichloropropane	5.0	4.81	UGL	96.2	(84-112)
MBLK	1,2-Dichloropropane	ND	<0.5	UGL		
MS	1,2-Dichloropropane	10	13.1	UGL	131.0	(83-123)
RPD_LCS	1,2-Dichloropropane	108.800	96.200	UGL	12.3	(0-20)
LCS1	m-Dichlorobenzene (1,3-DCB)	5.0	4.41	UGL	88.2	(81-139)
LCS2	m-Dichlorobenzene (1,3-DCB)	5.0	4.29	UGL	85.8	(81-139)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND	<0.5	UGL		
MS	m-Dichlorobenzene (1,3-DCB)	10	10.6	UGL	106.0	(82-136)
RPD_LCS	m-Dichlorobenzene (1,3-DCB)	88.200	85.800	UGL	2.8	(0-20)
LCS1	p-Dichlorobenzene (1,4-DCB)	5.0	4.53	UGL	90.6	(83-140)
LCS2	p-Dichlorobenzene (1,4-DCB)	5.0	4.23	UGL	84.6	(83-140)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10	10.6	UGL	106.0	(80-135)
RPD_LCS	p-Dichlorobenzene (1,4-DCB)	90.600	84.600	UGL	6.8	(0-20)
LCS1	2-Butanone (MEK)	50	59.2	UGL	118.4	(71-120)
LCS2	2-Butanone (MEK)	50	57.2	UGL	114.4	(71-120)
MBLK	2-Butanone (MEK)	ND	<10	UGL		
MS	2-Butanone (MEK)	100	135	UGL	135.0	(53-126)
RPD_LCS	2-Butanone (MEK)	118.400	114.400	UGL	3.4	(0-20)
LCS1	2-Hexanone	50	55.6	UGL	111.2	(75-115)
LCS2	2-Hexanone	50	53.4	UGL	106.8	(75-115)
MBLK	2-Hexanone	ND	<10	UGL		
MS	2-Hexanone	100	131	UGL	131.0	(58-139)
RPD_LCS	2-Hexanone	111.200	106.800	UGL	4.0	(0-20)
LCS1	4-Methyl-2-Pentanone (MIBK)	50	58.0	UGL	116.0	(76-118)

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Tronox LLC - Henderson
(continued)

LCS2	4-Methyl-2-Pentanone (MIBK)	50	54.4	UGL	108.8	(76-118)
MBLK	4-Methyl-2-Pentanone (MIBK)	ND	<10	UGL		
MS	4-Methyl-2-Pentanone (MIBK)	100	134	UGL	134.0	(64-142)
RPD_LCS	4-Methyl-2-Pentanone (MIBK)	116.000	108.800	UGL	6.4	(0-20)
MS	Spiked sample	Lab # 27	09110858	NONE		(0-0)
LCS1	Acetone	50	47.2	UGL	94.4	(61-125)
LCS2	Acetone	50	41.9	UGL	83.8	(61-125)
MBLK	Acetone	ND	<10	UGL		
MS	Acetone	100	118	UGL	118.0	(17-132)
RPD_LCS	Acetone	94.400	83.800	UGL	11.9	(0-20)
LCS1	Benzene	5.0	5.31	UGL	106.2	(89-119)
LCS2	Benzene	5.0	4.78	UGL	95.6	(89-119)
MBLK	Benzene	ND	<0.5	UGL		
MS	Benzene	10	12.5	UGL	125.0	(85-131)
RPD_LCS	Benzene	106.200	95.600	UGL	10.5	(0-20)
LCS1	cis-1,2-Dichloroethene	5.0	5.04	UGL	100.8	(85-117)
LCS2	cis-1,2-Dichloroethene	5.0	4.66	UGL	93.2	(85-117)
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL		
MS	cis-1,2-Dichloroethene	10	12.1	UGL	121.0	(85-132)
RPD_LCS	cis-1,2-Dichloroethene	100.800	93.200	UGL	7.8	(0-20)
LCS1	Chlorobenzene	5.0	4.90	UGL	98.0	(88-118)
LCS2	Chlorobenzene	5.0	4.59	UGL	91.8	(88-118)
MBLK	Chlorobenzene	ND	<0.5	UGL		
MS	Chlorobenzene	10	11.8	UGL	118.0	(87-126)
RPD_LCS	Chlorobenzene	98.000	91.800	UGL	6.5	(0-20)
LCS1	cis-1,3-Dichloropropene	5.0	5.08	UGL	101.6	(75-109)
LCS2	cis-1,3-Dichloropropene	5.0	4.47	UGL	89.4	(75-109)
MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL		
MS	cis-1,3-Dichloropropene	10	11.3	UGL	113.0	(50-133)
RPD_LCS	cis-1,3-Dichloropropene	101.600	89.400	UGL	12.8	(0-20)
LCS1	Bromoform	5.0	3.90	UGL	78.0	(75-129)
LCS2	Bromoform	5.0	3.83	UGL	76.6	(75-129)
MBLK	Bromoform	ND	<0.5	UGL		
MS	Bromoform	10	9.71	UGL	97.1	(68-131)
RPD_LCS	Bromoform	78.000	76.600	UGL	1.8	(0-20)
LCS1	Chloroform (Trichloromethane)	5.0	4.98	UGL	99.6	(85-121)

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Tronox LLC - Henderson
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LCS2	Chloroform (Trichloromethane)	5.0	4.33	UGL	86.6	(85-121)
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL		
MS	Chloroform (Trichloromethane)	10	11.5	UGL	115.0	(81-140)
RPD_LCS	Chloroform (Trichloromethane)	99.600	86.600	UGL	14.0	(0-20)
LCS1	Chloroethane	5.0	5.41	UGL	108.2	(76-127)
LCS2	Chloroethane	5.0	5.10	UGL	102.0	(76-127)
MBLK	Chloroethane	ND	<0.5	UGL		
MS	Chloroethane	10	15.2	UGL	152.0	(58-159)
RPD_LCS	Chloroethane	108.200	102.000	UGL	5.9	(0-20)
LCS1	Carbon disulfide	5.0	5.36	UGL	107.2	(73-129)
LCS2	Carbon disulfide	5.0	4.95	UGL	99.0	(73-129)
MBLK	Carbon disulfide	ND	<0.5	UGL		
MS	Carbon disulfide	10	14.5	UGL	145.0	(80-138)
RPD_LCS	Carbon disulfide	107.200	99.000	UGL	8.0	(0-20)
LCS1	Carbon Tetrachloride	5.0	5.31	UGL	106.2	(79-124)
LCS2	Carbon Tetrachloride	5.0	4.86	UGL	97.2	(79-124)
MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10	13.0	UGL	130.0	(77-145)
RPD_LCS	Carbon Tetrachloride	106.200	97.200	UGL	8.8	(0-20)
LCS1	Dibromochloromethane	5.0	4.79	UGL	95.8	(79-118)
LCS2	Dibromochloromethane	5.0	4.23	UGL	84.6	(79-118)
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10	11.9	UGL	119.0	(78-133)
RPD_LCS	Dibromochloromethane	95.800	84.600	UGL	12.4	(0-20)
LCS1	Dichlorobromomethane	5.0	4.91	UGL	98.2	(80-115)
LCS2	Dichlorobromomethane	5.0	4.42	UGL	88.4	(80-115)
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10	12.4	UGL	124.0	(81-132)
RPD_LCS	Dichlorobromomethane	98.200	88.400	UGL	10.5	(0-20)
LCS1	Ethyl benzene	5.0	5.21	UGL	104.2	(83-115)
LCS2	Ethyl benzene	5.0	4.70	UGL	94.0	(83-115)
MBLK	Ethyl benzene	ND	<0.5	UGL		
MS	Ethyl benzene	10	12.8	UGL	128.0	(85-128)
RPD_LCS	Ethyl benzene	104.200	94.000	UGL	10.3	(0-20)
LCS1	Dichlorodifluoromethane	5.0	4.51	UGL	90.2	(63-131)
LCS2	Dichlorodifluoromethane	5.0	5.08	UGL	101.6	(63-131)

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MBLK	Dichlorodifluoromethane	ND	<0.5	UGL		
MS	Dichlorodifluoromethane	10	14.3	UGL	143.0	(74-151)
RPD_LCS	Dichlorodifluoromethane	90.200	101.600	UGL	11.9	(0-20)
LCS1	Methyl Bromide	5.0	6.37	UGL	127.4	(58-145)
LCS2	Methyl Bromide	5.0	6.06	UGL	121.2	(58-145)
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10	13.8	UGL	138.0	(48-158)
RPD_LCS	Methyl Bromide	127.400	121.200	UGL	5.0	(0-20)
LCS1	Methyl Chloride	5.0	5.64	UGL	112.8	(76-126)
LCS2	Methyl Chloride	5.0	5.13	UGL	102.6	(76-126)
MBLK	Methyl Chloride	ND	<0.5	UGL		
MS	Methyl Chloride	10	12.7	UGL	127.0	(68-141)
RPD_LCS	Methyl Chloride	112.800	102.600	UGL	9.5	(0-20)
LCS1	Methylene Chloride	5.0	5.68	UGL	113.6	(83-123)
LCS2	Methylene Chloride	5.0	4.92	UGL	98.4	(83-123)
MBLK	Methylene Chloride	ND	<3.0	UGL		
MS	Methylene Chloride	10	13.3	UGL	133.0	(83-134)
RPD_LCS	Methylene Chloride	113.600	98.400	UGL	14.3	(0-20)
LCS1	m,p-Xylenes	10	10.5	UGL	105.0	(89-120)
LCS2	m,p-Xylenes	10	9.59	UGL	95.9	(89-120)
MBLK	m,p-Xylenes	ND	<1.0	UGL		
MS	m,p-Xylenes	20	25.1	UGL	125.5	(85-139)
RPD_LCS	m,p-Xylenes	105.000	95.900	UGL	9.1	(0-20)
LCS1	o-Xylene	5.0	5.07	UGL	101.4	(84-111)
LCS2	o-Xylene	5.0	4.52	UGL	90.4	(84-111)
MBLK	o-Xylene	ND	<0.5	UGL		
MS	o-Xylene	10	12.1	UGL	121.0	(83-132)
RPD_LCS	o-Xylene	101.400	90.400	UGL	11.5	(0-20)
LCS1	1,1,2,2-Tetrachloroethane	5.0	5.00	UGL	100.0	(83-131)
LCS2	1,1,2,2-Tetrachloroethane	5.0	4.68	UGL	93.6	(83-131)
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10	11.3	UGL	113.0	(83-127)
RPD_LCS	1,1,2,2-Tetrachloroethane	100.000	93.600	UGL	6.6	(0-20)
LCS1	Tetrachloroethylene (PCE)	5.0	4.80	UGL	96.0	(81-132)
LCS2	Tetrachloroethylene (PCE)	5.0	4.33	UGL	86.6	(81-132)
MBLK	Tetrachloroethylene (PCE)	ND	<0.5	UGL		

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MS	Tetrachloroethylene (PCE)	10	11.6	UGL	116.0	(83-143)
RPD_LCS	Tetrachloroethylene (PCE)	96.000	86.600	UGL	10.3	(0-20)
LCS1	Styrene	5.0	5.07	UGL	101.4	(83-115)
LCS2	Styrene	5.0	4.74	UGL	94.8	(83-115)
MBLK	Styrene	ND	<0.5	UGL		
MS	Styrene	10	12.9	UGL	129.0	(56-140)
RPD_LCS	Styrene	101.400	94.800	UGL	6.7	(0-20)
LCS1	1,2-dichloroethane-d4	100	111	%R	111.0	(70-130)
LCS2	1,2-dichloroethane-d4	100	108	%R	108.0	(70-130)
MBLK	1,2-dichloroethane-d4	100	108	%R	108.0	
MS	1,2-dichloroethane-d4	100	109	%R	109.0	(70-130)
RPD_LCS	1,2-dichloroethane-d4	111.000	108.000	%R	2.7	(0-20)
LCS1	Toluene-d8	100	105	%R	105.0	(70-130)
LCS2	Toluene-d8	100	102	%R	102.0	(70-130)
MBLK	Toluene-d8	100	96	%R	96.0	
MS	Toluene-d8	100	106	%R	106.0	(70-130)
RPD_LCS	Toluene-d8	105.000	102.000	%R	2.9	(0-20)
LCS1	4-Bromofluorobenzene	100	94	%R	94.0	(70-130)
LCS2	4-Bromofluorobenzene	100	95	%R	95.0	(70-130)
MBLK	4-Bromofluorobenzene	100	92	%R	92.0	
MS	4-Bromofluorobenzene	100	92	%R	92.0	(70-130)
RPD_LCS	4-Bromofluorobenzene	94.000	95.000	%R	1.1	(0-20)
LCS1	trans-1,2-Dichloroethene	5.0	5.34	UGL	106.8	(84-126)
LCS2	trans-1,2-Dichloroethene	5.0	4.87	UGL	97.4	(84-126)
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		
MS	trans-1,2-Dichloroethene	10	12.6	UGL	126.0	(82-136)
RPD_LCS	trans-1,2-Dichloroethene	106.800	97.400	UGL	9.2	(0-20)
LCS1	1,1,1-Trichloroethane	5.0	5.06	UGL	101.2	(82-121)
LCS2	1,1,1-Trichloroethane	5.0	4.91	UGL	98.2	(82-121)
MBLK	1,1,1-Trichloroethane	ND	<0.5	UGL		
MS	1,1,1-Trichloroethane	10	12.4	UGL	124.0	(84-137)
RPD_LCS	1,1,1-Trichloroethane	101.200	98.200	UGL	3.0	(0-20)
LCS1	Trichloroethylene (TCE)	5.0	4.95	UGL	99.0	(86-120)
LCS2	Trichloroethylene (TCE)	5.0	4.37	UGL	87.4	(86-120)
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10	11.6	UGL	116.0	(86-130)

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Tronox LLC - Henderson
(continued)

RPD_LCS	Trichloroethylene (TCE)	99.000	87.400	UGL	12.4	(0-20)
LCS1	Trichlorofluoromethane	5.0	5.29	UGL	105.8	(76-133)
LCS2	Trichlorofluoromethane	5.0	5.35	UGL	107.0	(76-133)
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		
MS	Trichlorofluoromethane	10	11.7	UGL	117.0	(75-153)
RPD_LCS	Trichlorofluoromethane	105.800	107.000	UGL	1.1	(0-20)
LCS1	trans-1,3-Dichloropropene	5.0	4.90	UGL	98.0	(71-114)
LCS2	trans-1,3-Dichloropropene	5.0	4.62	UGL	92.4	(71-114)
MBLK	trans-1,3-Dichloropropene	ND	<0.5	UGL		
MS	trans-1,3-Dichloropropene	10	11.3	UGL	113.0	(45-141)
RPD_LCS	trans-1,3-Dichloropropene	98.000	92.400	UGL	5.9	(0-20)
LCS1	Tetrahydrofuran	50	64.8	UGL	129.6	(79-121)
LCS2	Tetrahydrofuran	50	62.2	UGL	124.4	(79-121)
MBLK	Tetrahydrofuran	ND	<10	UGL		
MS	Tetrahydrofuran	100	138	UGL	138.0	(66-134)
RPD_LCS	Tetrahydrofuran	129.600	124.400	UGL	4.1	(0-20)
LCS1	Toluene	5.0	5.37	UGL	107.4	(88-118)
LCS2	Toluene	5.0	4.66	UGL	93.2	(88-118)
MBLK	Toluene	ND	<0.5	UGL		
MS	Toluene	10	12.2	UGL	122.0	(87-128)
RPD_LCS	Toluene	107.400	93.200	UGL	14.2	(0-20)
LCS1	Vinyl Chloride (VC)	5.0	5.39	UGL	107.8	(72-125)
LCS2	Vinyl Chloride (VC)	5.0	5.24	UGL	104.8	(72-125)
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL		
MS	Vinyl Chloride (VC)	10	13.3	UGL	133.0	(79-137)
RPD_LCS	Vinyl Chloride (VC)	107.800	104.800	UGL	2.8	(0-20)
LCS1	Vinyl Acetate	25	30.0	UGL	120.0	(61-125)
LCS2	Vinyl Acetate	25	27.0	UGL	108.0	(61-125)
MBLK	Vinyl Acetate	ND	<10	UGL		
MS	Vinyl Acetate	50	65.3	UGL	130.6	(40-142)
RPD_LCS	Vinyl Acetate	120.000	108.000	UGL	10.5	(0-20)

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(continued)

QC Ref #387520 Zinc, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09250179	MGL	0.0	(0-0)	
LCS1	Zinc, Total, ICAP	1.00	1.04	MGL	104.0	(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	0.014	MGL	70.0	(50-150)	
MS	Zinc, Total, ICAP	1.00	1.09	MGL	109.0	(70-130)	
MSD	Zinc, Total, ICAP	1.00	1.09	MGL	109.0	(70-130)	

QC Ref #387681 Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Beryllium, Total, ICAP/MS	5.00	5.17	UGL	103.4	(85-115)	
LCS2	Beryllium, Total, ICAP/MS	5.00	5.49	UGL	109.8	(85-115)	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	0.926	UGL	92.6	(50-150)	
MS	Beryllium, Total, ICAP/MS	5.00	5.25	UGL	105.0	(70-130)	
MS2	Beryllium, Total, ICAP/MS	5.00	5.14	UGL	102.8	(70-130)	
MSD	Beryllium, Total, ICAP/MS	5.00	5.25	UGL	105.0	(70-130)	
MSD2	Beryllium, Total, ICAP/MS	5.00	5.27	UGL	105.4	(70-130)	
RPD_LCS	Beryllium, Total, ICAP/MS	103.400	109.800	UGL	6.0	(0-20)	
RPD_MS	Beryllium, Total, ICAP/MS	105.000	105.000	UGL	0.0	(0-20)	

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(continued)

QC Ref #387685 Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Nickel, Total, ICAP/MS	50	52.1	UGL	104.2	(85-115)	
LCS2	Nickel, Total, ICAP/MS	50	53.0	UGL	106.0	(85-115)	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	4.96	UGL	99.2	(50-150)	
MS	Nickel, Total, ICAP/MS	50	46.3	UGL	92.6	(70-130)	
MS2	Nickel, Total, ICAP/MS	50	48.5	UGL	97.0	(70-130)	
MSD	Nickel, Total, ICAP/MS	50	48.3	UGL	96.6	(70-130)	
MSD2	Nickel, Total, ICAP/MS	50	48.7	UGL	97.4	(70-130)	
RPD_LCS	Nickel, Total, ICAP/MS	104.200	106.000	UGL	1.7	(0-20)	
RPD_MS	Nickel, Total, ICAP/MS	92.600	96.600	UGL	4.2	(0-20)	

QC Ref #387687 Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Copper, Total, ICAP/MS	100	109	UGL	109.0	(85-115)	
LCS2	Copper, Total, ICAP/MS	100	110	UGL	110.0	(85-115)	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	2.15	UGL	107.5	(50-150)	
MS	Copper, Total, ICAP/MS	100	95.7	UGL	95.7	(70-130)	
MS2	Copper, Total, ICAP/MS	100	101	UGL	101.0	(70-130)	
MSD	Copper, Total, ICAP/MS	100	98.7	UGL	98.7	(70-130)	
MSD2	Copper, Total, ICAP/MS	100	100	UGL	100.0	(70-130)	
RPD_LCS	Copper, Total, ICAP/MS	109.000	110.000	UGL	0.9	(0-20)	
RPD_MS	Copper, Total, ICAP/MS	95.700	98.700	UGL	3.1	(0-20)	

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(continued)

QC Ref #387694 Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Selenium, Total, ICAP/MS	20	20.9	UGL	104.5	(85-115)	
LCS2	Selenium, Total, ICAP/MS	20	21.3	UGL	106.5	(85-115)	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	5.16	UGL	103.2	(50-150)	
MS	Selenium, Total, ICAP/MS	20	23.3	UGL	116.5	(70-130)	
MS2	Selenium, Total, ICAP/MS	20	23.1	UGL	115.5	(70-130)	
MSD	Selenium, Total, ICAP/MS	20	24.5	UGL	122.5	(70-130)	
MSD2	Selenium, Total, ICAP/MS	20	22.4	UGL	112.0	(70-130)	
RPD_LCS	Selenium, Total, ICAP/MS	104.500	106.500	UGL	1.9	(0-20)	
RPD_MS	Selenium, Total, ICAP/MS	116.500	122.500	UGL	5.0	(0-20)	

QC Ref #387698 Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Silver, Total, ICAP/MS	50	54.4	UGL	108.8	(85-115)	
LCS2	Silver, Total, ICAP/MS	50	54.7	UGL	109.4	(85-115)	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.611	UGL	122.2	(50-150)	
MS	Silver, Total, ICAP/MS	50	47.0	UGL	94.0	(70-130)	
MS2	Silver, Total, ICAP/MS	50	51.1	UGL	102.2	(70-130)	
MSD	Silver, Total, ICAP/MS	50	48.9	UGL	97.8	(70-130)	
MSD2	Silver, Total, ICAP/MS	50	50.0	UGL	100.0	(70-130)	
RPD_LCS	Silver, Total, ICAP/MS	108.800	109.400	UGL	0.5	(0-20)	
RPD_MS	Silver, Total, ICAP/MS	94.000	97.800	UGL	4.0	(0-20)	

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(continued)

QC Ref #387700 Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Cadmium, Total, ICAP/MS	20	22.0	UGL	110.0	(85-115)	
LCS2	Cadmium, Total, ICAP/MS	20	21.9	UGL	109.5	(85-115)	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.521	UGL	104.2	(50-150)	
MS	Cadmium, Total, ICAP/MS	20	20.8	UGL	104.0	(70-130)	
MS2	Cadmium, Total, ICAP/MS	20	21.5	UGL	107.5	(70-130)	
MSD	Cadmium, Total, ICAP/MS	20	21.6	UGL	108.0	(70-130)	
MSD2	Cadmium, Total, ICAP/MS	20	21.4	UGL	107.0	(70-130)	
RPD_LCS	Cadmium, Total, ICAP/MS	110.000	109.500	UGL	0.5	(0-20)	
RPD_MS	Cadmium, Total, ICAP/MS	104.000	108.000	UGL	3.8	(0-20)	

QC Ref #387702 Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Antimony, Total, ICAP/MS	50	55.4	UGL	110.8	(85-115)	
LCS2	Antimony, Total, ICAP/MS	50	55.2	UGL	110.4	(85-115)	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.16	UGL	116.0	(50-150)	
MS	Antimony, Total, ICAP/MS	50	52.6	UGL	105.2	(70-130)	
MS2	Antimony, Total, ICAP/MS	50	54.4	UGL	108.8	(70-130)	
MSD	Antimony, Total, ICAP/MS	50	54.5	UGL	109.0	(70-130)	
MSD2	Antimony, Total, ICAP/MS	50	52.9	UGL	105.8	(70-130)	
RPD_LCS	Antimony, Total, ICAP/MS	110.800	110.400	UGL	0.4	(0-20)	
RPD_MS	Antimony, Total, ICAP/MS	105.200	109.000	UGL	3.5	(0-20)	

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QC Ref #387703 Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Aluminum, Total, ICAP/MS	200	211	UGL	105.5	(85-115)	
LCS2	Aluminum, Total, ICAP/MS	200	213	UGL	106.5	(85-115)	
MBLK	Aluminum, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Aluminum, Total, ICAP/MS	25.000	19.8	UGL	79.2	(50-150)	
MS	Aluminum, Total, ICAP/MS	200	188	UGL	94.0	(70-130)	
MS2	Aluminum, Total, ICAP/MS	200	183	UGL	91.5	(70-130)	
MSD	Aluminum, Total, ICAP/MS	200	193	UGL	96.5	(70-130)	
MSD2	Aluminum, Total, ICAP/MS	200	182	UGL	91.0	(70-130)	
RPD_LCS	Aluminum, Total, ICAP/MS	105.500	106.500	UGL	0.9	(0-20)	
RPD_MS	Aluminum, Total, ICAP/MS	94.000	96.500	UGL	2.6	(0-20)	

QC Ref #387705 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Barium, Total, ICAP/MS	100	107	UGL	107.0	(85-115)	
LCS2	Barium, Total, ICAP/MS	100	106	UGL	106.0	(85-115)	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	2.09	UGL	104.5	(50-150)	
MS	Barium, Total, ICAP/MS	100	97.9	UGL	97.9	(70-130)	
MS2	Barium, Total, ICAP/MS	100	103	UGL	103.0	(70-130)	
MSD	Barium, Total, ICAP/MS	100	99.3	UGL	99.3	(70-130)	
MSD2	Barium, Total, ICAP/MS	100	99.4	UGL	99.4	(70-130)	
RPD_LCS	Barium, Total, ICAP/MS	107.000	106.000	UGL	0.9	(0-20)	
RPD_MS	Barium, Total, ICAP/MS	97.900	99.300	UGL	1.4	(0-20)	

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QC Ref #387707 Thallium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Thallium, Total, ICAP/MS	20.0	21.9	UGL	109.5	(85-115)	
LCS2	Thallium, Total, ICAP/MS	20.0	21.9	UGL	109.5	(85-115)	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	1.08	UGL	108.0	(50-150)	
MS	Thallium, Total, ICAP/MS	20.0	20.5	UGL	102.5	(70-130)	
MS2	Thallium, Total, ICAP/MS	20.0	21.0	UGL	105.0	(70-130)	
MSD	Thallium, Total, ICAP/MS	20.0	21.5	UGL	107.5	(70-130)	
MSD2	Thallium, Total, ICAP/MS	20.0	20.7	UGL	103.5	(70-130)	
RPD_LCS	Thallium, Total, ICAP/MS	109.500	109.500	UGL	0.0	(0-20)	
RPD_MS	Thallium, Total, ICAP/MS	102.500	107.500	UGL	4.8	(0-20)	

QC Ref #387709 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Lead, Total, ICAP/MS	20	22.1	UGL	110.5	(85-115)	
LCS2	Lead, Total, ICAP/MS	20	22.0	UGL	110.0	(85-115)	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.526	UGL	105.2	(50-150)	
MS	Lead, Total, ICAP/MS	20	20.6	UGL	103.0	(70-130)	
MS2	Lead, Total, ICAP/MS	20	21.0	UGL	105.0	(70-130)	
MSD	Lead, Total, ICAP/MS	20	21.5	UGL	107.5	(70-130)	
MSD2	Lead, Total, ICAP/MS	20	20.8	UGL	104.0	(70-130)	
RPD_LCS	Lead, Total, ICAP/MS	110.500	110.000	UGL	0.5	(0-20)	
RPD_MS	Lead, Total, ICAP/MS	103.000	107.500	UGL	4.3	(0-20)	

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QC Ref #387716 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Chromium, Total, ICAP/MS	100	104	UGL	104.0	(85-115)	
LCS2	Chromium, Total, ICAP/MS	100	105	UGL	105.0	(85-115)	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	0.969	UGL	96.9	(50-150)	
MS	Chromium, Total, ICAP/MS	100	95.4	UGL	95.4	(70-130)	
MS2	Chromium, Total, ICAP/MS	100	97.9	UGL	97.9	(70-130)	
MSD	Chromium, Total, ICAP/MS	100	98.6	UGL	98.6	(70-130)	
MSD2	Chromium, Total, ICAP/MS	100	98.1	UGL	98.1	(70-130)	
RPD_LCS	Chromium, Total, ICAP/MS	104.000	105.000	UGL	1.0	(0-20)	
RPD_MS	Chromium, Total, ICAP/MS	95.400	98.600	UGL	3.3	(0-20)	

QC Ref #387718 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09110855	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 27	09130693	UGL		(0-0)	
LCS1	Manganese, Total, ICAP/MS	50	53.2	UGL	106.4	(85-115)	
LCS2	Manganese, Total, ICAP/MS	50	54.7	UGL	109.4	(85-115)	
MBLK	Manganese, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Manganese, Total, ICAP/MS	2.000	2.02	UGL	101.0	(50-150)	
MS	Manganese, Total, ICAP/MS	50	50.0	UGL	100.0	(70-130)	
MS2	Manganese, Total, ICAP/MS	50	51.4	UGL	102.8	(70-130)	
MSD	Manganese, Total, ICAP/MS	50	51.5	UGL	103.0	(70-130)	
MSD2	Manganese, Total, ICAP/MS	50	50.7	UGL	101.4	(70-130)	
RPD_LCS	Manganese, Total, ICAP/MS	106.400	109.400	UGL	2.8	(0-20)	
RPD_MS	Manganese, Total, ICAP/MS	100.000	103.000	UGL	3.0	(0-20)	

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

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(continued)

QC Ref #391915 Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	09120462	UGL		(0-0)	
LCS1	Arsenic, Total, ICAP/MS	20	21.0	UGL	105.0	(85-115)	
LCS2	Arsenic, Total, ICAP/MS	20	21.3	UGL	106.5	(85-115)	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	1.08	UGL	108.0	(50-150)	
MS	Arsenic, Total, ICAP/MS	20	22.8	UGL	114.0	(70-130)	
MS2	Arsenic, Total, ICAP/MS	20	22.6	UGL	113.0	(70-130)	
MSD	Arsenic, Total, ICAP/MS	20	22.8	UGL	114.0	(70-130)	
MSD2	Arsenic, Total, ICAP/MS	20	23.4	UGL	117.0	(70-130)	
RPD_LCS	Arsenic, Total, ICAP/MS	105.000	106.500	UGL	1.4	(0-20)	
RPD_MS	Arsenic, Total, ICAP/MS	114.000	114.000	UGL	0.0	(0-20)	

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