



MWH Laboratories

A Division of MWH Americas, Inc.

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

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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

DATE OF ISSUE
Sep 23 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 252797
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].



BUILDING A BETTER WORLD

September 25, 2008

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

Subject: Case Narrative report 252797

Enclosed is MWH Laboratories Report 252797

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on September 3, 2008 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:

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

Sincerely,

A handwritten signature in cursive script that reads "Andrew Eaton".

Andrew Eaton, PhD
Project Manager



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

252797

MWLABS USE ONLY:

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: W.P.S.

SAMPLE TEMP, RECEIPT AT LAB: 4°C

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME
 KERRMCGEE-MP
 Sampler: Wendy Prescott
 Susan Crowley (702) 651-2234

PROJECT JOB # / P.O.#
 UIC permit - Water Supply Profile 1

IDENTIFIER, STATE ID#
 Kerr-McGee Chemical LLC
 PO Box 55
 Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(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	SAMPLER COMMENTS
10:00	9/2/2008	Stabilized Water		RSW	X		SEE BOTTLE ORDER

* MATRIX TYPES:
 Reported by Volume:
 CFW = Chlor(am)inated Finished Water
 FW = Other Finished Water
 RGW = Raw Ground Water
 RSW = Raw Surface Water
 CWW = Chlorinated Waste Water
 WW = Other Waste Water
 SW = Storm Water

REPORTED BY: Wendy Prescott SIGNATURE: [Signature]
 RECEIVED BY: M. DEMESA PRINT NAME: Wendy Prescott
 COMPANY/TITLE: Veolia Water NA for Kerr-McGee Chemical LLC
 REPORTED BY Weight: SO = Soil
SL = Sludge
 DATE: 9/2/2008
 TIME: 1200pm



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

Bottle Order for Ironox, LLC - Henderson
Standing

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

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

SO# 44426 12996 RS

Sampler: Please Return this Paper with your samples

Created by MWH
Order Date 08/21/08
Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

Send Report to
Ironox, LLC Henderson Plant
P.O. Box 55
Henderson, NV 89009

Billing Address
Ironox, LLC
Attn: Accounts Payable
P.O. Box 268859
Oklahoma City, OK 73126-8859

ATTN: Susan Crowley
PHONE: 702-651-2234

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

Quote#

MWH

of Samples Tests

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

UN#

Important Comments

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
1	@VOAPP	3 40ml amber glass vials+ 4 drops HCL(36%)	UN 1789	Monthly standing order - sampleID= Stabilized Water
1	CLO4	1 125ml poly /no preservative		
1	WCN	1 250 ml poly +1 ml NaOH (25%)	UN 1824	
1	GEN MIN, METALS, B	4: 2 500ml poly +1 125ml poly no pres& 1 250ml acid rinsed+1ml HNO3	UN 2031	Login use profile - #KERRMO (profile consists of: voapp, pb-ms, mg, mn-ms, clo4, ni-ms,ph, k, se-ms, wcn, ag-ms, na, so4, tl-ms alk tds, zn af-ms, sb-ms, ba-ms, be-ms B, cd-ms, ca, cl, cr-ms cu-ms, f, fe

Please sample the
second FULL week of
Each month (e.g. wk
of 5/12) except in
January 2003 (wk of
1/20)

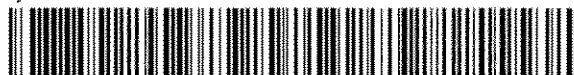
From: Origin ID: LASA (702)651-2230
 TRONOX LLC
 TRONOX LLC
 8000 LAKE MEAD PARKWAY
 SHIPPING DEPARTMENT
 HENDERSON, NV 89015



CLS053008/2/24

Ship Date: 02SEP08
 ActWgt: 19 LB
 System#: 2274147/INET8061
 Account#: S *****

Delivery Address Bar Code



Ref # MSO #143320
 Invoice #
 PO #
 Dept #

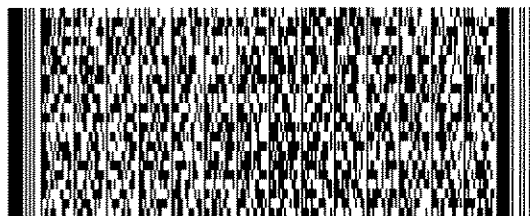
SHIP TO: 6265686400 **BILL SENDER**
ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

WED - 03SEP A2

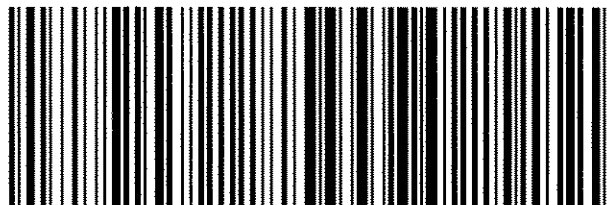
TRK# 7998 9890 8300
 0201

PRIORITY OVERNIGHT



QZ WHPA

91016
CA-US
BUR



After printing this label:

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

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

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

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

SHIPPER'S NUMBER: 143320

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 09/02/08	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. One Ice chest @ 19 lbs Not Regulated		1 COOLER
TRUCK SHIPMENTS PLACARDS OFFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO PLACARDS ACCEPTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			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
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
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 Carron Williams	AGENT	PER

MWH Laboratories
 750 Royal Oaks Drive, Monrovia, CA 91016
 PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: KERRMCGEE-MP
 PO#: Susan Crowley PO
 Group#: 252797
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on 09/03/08. 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
2809030092	STABILIZED WATER		Water	02-sep-2008 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
	P	PB-MS	PH	SB-MS
	T	TDS	TL-MS	WCN
				ANION1
				AS-MS
				CATION1
				CA
				CR-MS
				CU-MS
				HG
				K
				NO3
				OH
				SE-MS
				SO4
				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#: 252797
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

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



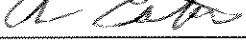
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Report
Comments
#252797

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: 



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Laboratory
Hits Report
#252797

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

Samples Received
03-sep-2008 12:41:52

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809030092	STABILIZED WATER				
09/15/08		Chloroform (Trichloromethane)	0.9		ug/l	0.5
09/15/08		Dichlorobromomethane	0.6		ug/l	0.5
09/09/08		Alkalinity in CaCO3 units	138		mg/l	2.0
09/10/08		Anion Sum - Calculated	10.		meq/l	0.0010
09/09/08		Arsenic, Total, ICAP/MS	2.3	10	ug/l	1.0
09/08/08		Barium, Total, ICAP/MS	130	2000	ug/l	2.0
09/15/08		Bicarb.Alkalinity as HCO3,calc	168.		mg/l	2.0
09/05/08		Boron, Total, ICAP	0.13		mg/l	0.10
09/05/08		Calcium, Total, ICAP	75		mg/l	2.0
09/08/08		Cation Sum - Calculated	10.		meq/l	0.0010
09/04/08		Chloride	85	250	mg/l	5.0
09/09/08		Chromium, Total, ICAP/MS	1.9	100	ug/l	1.0
09/10/08		Copper, Total, ICAP/MS	240	1300	ug/l	2.0
09/05/08		Fluoride	0.31	4	mg/l	0.050
09/05/08		Magnesium, Total, ICAP	27		mg/l	0.20
09/08/08		Nickel, Total, ICAP/MS	6.9		ug/l	5.0
09/03/08		PH (H3=past HT, not compliant)	8.2	6.5-8.5	Units	0.010
09/05/08		Potassium, Total, ICAP	4.5		mg/l	2.0
09/05/08		Sodium, Total, ICAP	89		mg/l	2.0
09/05/08		Specific Conductance	997		umho/cm	2.0
09/04/08		Sulfate	240	250	mg/l	2.5
09/09/08		Total Dissolved Solid (TDS)	650	500	mg/l	10
09/05/08		Zinc, Total, ICAP	0.086		mg/l	0.040

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
 #252797

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

Samples Received
 09/03/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
STABILIZED WATER (2809030092)				Sampled on 09/02/08 10:00				
	09/08/08 19:02	449817	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	09/08/08 19:02	449826	(ML/EPA 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	20	1
	09/09/08 00:00	449772	(SM 2320B)	Alkalinity in CaCO3 units	138	mg/l	2.0	1
	09/10/08 21:53		(ML/SM1030E)	Anion Sum - Calculated	10.	meq/l	0.0010	1
	09/09/08 11:58	450113	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	2.3	ug/l	1.0	1
	09/05/08 20:33	449059	(ML/EPA 200.7)	Boron, Total, ICAP	0.13	mg/l	0.10	2
	09/08/08 19:02	449829	(ML/EPA 200.8)	Barium, Total, ICAP/MS	130	ug/l	2.0	1
	09/16/08 18:12	451161	(ML/EPA 200.8)	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	09/05/08 20:33	449027	(ML/EPA 200.7)	Calcium, Total, ICAP	75	mg/l	2.0	2
	09/08/08 17:19		(SM 1030E)	Cation Sum - Calculated	10.	meq/l	0.0010	1
	09/08/08 19:02	449820	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	09/04/08 08:53	449178	(ML/EPA 300.0)	Chloride	85	mg/l	5.0	5
	09/05/08 03:48	449591	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
	09/15/08 18:07		(SM 2330B)	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	09/09/08 11:58	450110	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	1.9	ug/l	1.0	1
	09/10/08 17:49	449961	(ML/EPA 200.8)	Copper, Total, ICAP/MS	240	ug/l	2.0	1
	09/05/08 00:00	449085	(SM 2510B)	Specific Conductance	997	umho/cm	2.0	1
	09/05/08 00:00	448962	(SM 4500F-C)	Fluoride	0.31	mg/l	0.050	1
	09/05/08 20:33	449040	(ML/EPA 200.7)	Iron, Total, ICAP	ND	mg/l	0.040	2
	09/15/08 16:54		(SM 2330B)	Bicarb.Alkalinity as HCO3,calc	168.	mg/l	2.0	1
	09/10/08 21:40	449872	(EPA 245.1)	Mercury	ND	ug/l	0.20	1
	09/05/08 20:33	449046	(ML/EPA 200.7)	Potassium, Total, ICAP	4.5	mg/l	2.0	2
	09/05/08 20:33	449053	(ML/EPA 200.7)	Magnesium, Total, ICAP	27	mg/l	0.20	2
	09/08/08 19:02	449783	(ML/EPA 200.8)	Manganese, Total, ICAP/MS	ND	ug/l	2.0	1
	09/05/08 20:33	449066	(ML/EPA 200.7)	Sodium, Total, ICAP	89	mg/l	2.0	2
	09/08/08 19:02	449792	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	6.9	ug/l	5.0	1
	09/04/08 08:53	449189	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	ND	mg/l	0.50	5
	09/05/08 08:02		(SM 2330B)	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	09/08/08 19:02	450122	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	09/03/08 00:00	448650	(SM 4500-HB)	PH (H3-past HT, not compliant)	8.2	Units	0.010	1
	09/08/08 19:02	449824	(ML/EPA 200.8)	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	09/08/08 19:02	449808	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1



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Laboratory
Data Report
#252797

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	09/04/08 08:53	449179	(ML/EPA 300.0)	Sulfate	240	mg/l	2.5	5
09/09/08	09/09/08 13:05	450263	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	650	mg/l	10	1
	09/08/08 19:02	449833	(ML/EPA 200.8)	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
09/05/08	09/05/08 00:00	449416	(SM 4500CN-I)	Weak Acid Dissociable Cyanide	ND	mg/l	0.0050	1
	09/05/08 00:00	449762	(EPA/ML 200.7)	Zinc, Total, ICAP	0.086	mg/l	0.040	2

Volatile Organics HSL

09/15/08 18:30	450983	(EPA 624)	1,1,2-Trichloroethane (1,1,2-T)	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	1,1-Dichloroethane	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	1,2-Dichloroethane	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	1,2-Dichloropropane	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	2-Butanone (MEK)	ND	ug/l	10	1
09/15/08 18:30	450983	(EPA 624)	2-Hexanone	ND	ug/l	10	1
09/15/08 18:30	450983	(EPA 624)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
09/15/08 18:30	450983	(EPA 624)	Acetone	ND	ug/l	10	1
09/15/08 18:30	450983	(EPA 624)	Acrolein (Screen)	ND	ug/l	50	1
09/15/08 18:30	450983	(EPA 624)	Acrylonitrile (Screen)	ND	ug/l	50	1
09/15/08 18:30	450983	(EPA 624)	Benzene	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	cis-1,2-Dichloroethene	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Chlorobenzene	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	cis-1,3-Dichloropropene	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Bromoform	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Chloroform (Trichloromethane)	0.9	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Chloroethane	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Carbon disulfide	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Carbon Tetrachloride	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Dibromochloromethane	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Dichlorobromomethane	0.6	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Ethyl benzene	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Methyl Bromide	ND	ug/l	0.5	1
09/15/08 18:30	450983	(EPA 624)	Methyl Chloride	ND	ug/l	0.5	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	09/15/08 18:30	450983	(EPA 624	) Methylene Chloride	ND	ug/l	3.0	1
	09/15/08 18:30	450983	(EPA 624	) m,p-Xylenes	ND	ug/l	1.0	1
	09/15/08 18:30	450983	(EPA 624	) o-Xylene	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) Tetrachloroethylene (PCE)	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) Styrene	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) trans-1,2-Dichloroethene	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) 1,1,1-Trichloroethane	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) Trichloroethylene (TCE)	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) Trichlorofluoromethane	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) trans-1,3-Dichloropropene	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) Tetrahydrofuran	ND	ug/l	10	1
	09/15/08 18:30	450983	(EPA 624	) Toluene	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) Vinyl Chloride (VC)	ND	ug/l	0.5	1
	09/15/08 18:30	450983	(EPA 624	) Vinyl Acetate	ND	ug/l	10	1
			(EPA 624) 4-Bromofluorobenzene (70-130)	106	% Rec		
			(EPA 624) Toluene-d8 (70-130)	93	% Rec		
			(EPA 624) 1,2-Dichloroethane-d4 (70-130)	98	% Rec		



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QC Summary
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Tronox LLC - Henderson

QC Ref #0	- Metals sample pH	Analysis Date: 09/04/2008
2809030092	STABILIZED WATER	Analyzed by: jrf
2809030092	STABILIZED WATER	Analyzed by: jrf
QC Ref #448650	- PH (H3=past HT, not compliant)	Analysis Date: 09/03/2008
2809030092	STABILIZED WATER	Analyzed by: nem
QC Ref #448962	- Fluoride	Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: yvette
QC Ref #449027	- Calcium, Total, ICAP	Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: csk
QC Ref #449040	- Iron, Total, ICAP	Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: csk
QC Ref #449046	- Potassium, Total, ICAP	Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: csk
QC Ref #449053	- Magnesium, Total, ICAP	Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: csk
QC Ref #449059	- Boron, Total, ICAP	Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: csk



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Tronox LLC - Henderson
(continued)

QC Ref #449066 - Sodium, Total, ICAP		Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: csk
QC Ref #449085 - Specific Conductance		Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: nem
QC Ref #449178 - Chloride		Analysis Date: 09/04/2008
2809030092	STABILIZED WATER	Analyzed by: sxk
QC Ref #449179 - Sulfate		Analysis Date: 09/04/2008
2809030092	STABILIZED WATER	Analyzed by: sxk
QC Ref #449189 - Nitrate as Nitrogen by IC		Analysis Date: 09/04/2008
2809030092	STABILIZED WATER	Analyzed by: sxk
QC Ref #449416 - Weak Acid Dissociable Cyanide		Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: lupe
QC Ref #449591 - Perchlorate		Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: ser
QC Ref #449762 - Zinc, Total, ICAP		Analysis Date: 09/05/2008
2809030092	STABILIZED WATER	Analyzed by: csk



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(continued)

QC Ref #449772	- Alkalinity in CaCO3 units	Analysis Date: 09/09/2008
2809030092	STABILIZED WATER	Analyzed by: anh
QC Ref #449783	- Manganese, Total, ICAP/MS	Analysis Date: 09/08/2008
2809030092	STABILIZED WATER	Analyzed by: dyh
QC Ref #449792	- Nickel, Total, ICAP/MS	Analysis Date: 09/08/2008
2809030092	STABILIZED WATER	Analyzed by: dyh
QC Ref #449808	- Selenium, Total, ICAP/MS	Analysis Date: 09/08/2008
2809030092	STABILIZED WATER	Analyzed by: dyh
QC Ref #449817	- Silver, Total, ICAP/MS	Analysis Date: 09/08/2008
2809030092	STABILIZED WATER	Analyzed by: dyh
QC Ref #449820	- Cadmium, Total, ICAP/MS	Analysis Date: 09/08/2008
2809030092	STABILIZED WATER	Analyzed by: dyh
QC Ref #449824	- Antimony, Total, ICAP/MS	Analysis Date: 09/08/2008
2809030092	STABILIZED WATER	Analyzed by: dyh
QC Ref #449826	- Aluminum, Total, ICAP/MS	Analysis Date: 09/08/2008
2809030092	STABILIZED WATER	Analyzed by: dyh



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Tronox LLC - Henderson
(continued)

QC Ref #449829 - Barium, Total, ICAP/MS	Analysis Date: 09/08/2008
2809030092 STABILIZED WATER	Analyzed by: dyh
QC Ref #449833 - Thallium, Total, ICAP/MS	Analysis Date: 09/08/2008
2809030092 STABILIZED WATER	Analyzed by: dyh
QC Ref #449872 - Mercury	Analysis Date: 09/10/2008
2809030092 STABILIZED WATER	Analyzed by: azs
QC Ref #449961 - Copper, Total, ICAP/MS	Analysis Date: 09/10/2008
2809030092 STABILIZED WATER	Analyzed by: nina
QC Ref #450110 - Chromium, Total, ICAP/MS	Analysis Date: 09/09/2008
2809030092 STABILIZED WATER	Analyzed by: dyh
QC Ref #450113 - Arsenic, Total, ICAP/MS	Analysis Date: 09/09/2008
2809030092 STABILIZED WATER	Analyzed by: dyh
QC Ref #450122 - Lead, Total, ICAP/MS	Analysis Date: 09/08/2008
2809030092 STABILIZED WATER	Analyzed by: dyh
QC Ref #450263 - Total Dissolved Solid (TDS)	Analysis Date: 09/09/2008
2809030092 STABILIZED WATER	Analyzed by: axa



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Tronox LLC - Henderson
(continued)

QC Ref #450983	- Volatile Organics HSL	Analysis Date: 09/15/2008
2809030092	STABILIZED WATER	Analyzed by: kcp
QC Ref #451161	- Beryllium, Total, ICAP/MS	Analysis Date: 09/16/2008
2809030092	STABILIZED WATER	Analyzed by: nina

Tronox LLC - Henderson

QC Ref #448650 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08270840	UNIT		(0-0)	
DUP	PH (H3=past HT, not compliant)	7.70	7.72	UNIT		(0-20)	0.3

QC Ref #448962 Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09030024	MGL		(0-0)	
CCC3	Fluoride	10.0	9.82	MGL	98.2	(81-116)	
CCCH	Fluoride	10.0	10.2	MGL	102.0	(81-116)	
CCCL	Fluoride	0.5	0.510	MGL	102.0	(81-116)	
CCCM	Fluoride	0.5	0.517	MGL	103.4	(81-116)	
CCCS	Fluoride	0.05	0.049	MGL	98.0	(50-150)	
LCS1	Fluoride	1.00	0.993	MGL	99.3	(81-116)	
LCS2	Fluoride	1.00	1.00	MGL	100.0	(81-116)	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.049	MGL	98.0	(50-150)	
MS	Fluoride	1.00	0.925	MGL	92.5	(73-124)	
MS2	Fluoride	1.00	0.953	MGL	95.3	(73-124)	
MSD	Fluoride	1.00	0.873	MGL	87.3	(73-124)	
RPD_LCS	Fluoride	99.300	100.000	MGL	0.7	(0-20)	
RPD_MS	Fluoride	92.500	87.300	MGL	5.8	(0-20)	

QC Ref #449027 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	49.6	MGL	99.2	(85-115)	
MBLK	Calcium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Calcium, Total, ICAP	1.000	1.01	MGL	101.0	(50-150)	
MS	Calcium, Total, ICAP	50	45.2	MGL	90.4	(70-130)	
MS2	Calcium, Total, ICAP	50	51.3	MGL	102.6	(70-130)	

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MSD	Calcium, Total, ICAP	50	46.4	MGL	92.8	(70-130)
MSD2	Calcium, Total, ICAP	50	49	MGL	98.0	(70-130)
RPD_LCS	Calcium, Total, ICAP	100.400	99.200	MGL	1.2	(0-20)
RPD_MS	Calcium, Total, ICAP	90.400	92.800	MGL	2.6	(0-20)

QC Ref #449040 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	4.94	MGL	98.8	(85-115)	
LCS2	Iron, Total, ICAP	5.0	4.9	MGL	98.0	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0218	MGL	109.0	(50-150)	
MS	Iron, Total, ICAP	5.0	4.89	MGL	97.8	(70-130)	
MS2	Iron, Total, ICAP	5.0	4.92	MGL	98.4	(70-130)	
MSD	Iron, Total, ICAP	5.0	4.89	MGL	97.8	(70-130)	
MSD2	Iron, Total, ICAP	5.0	4.85	MGL	97.0	(70-130)	
RPD_LCS	Iron, Total, ICAP	98.800	98.000	MGL	0.8	(0-20)	
RPD_MS	Iron, Total, ICAP	97.800	97.800	MGL	0.0	(0-20)	

QC Ref #449046 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	19.3	MGL	96.5	(85-115)	
LCS2	Potassium, Total, ICAP	20	19.4	MGL	97.0	(85-115)	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	1.05	MGL	105.0	(50-150)	
MS	Potassium, Total, ICAP	20	19.1	MGL	95.5	(70-130)	
MS2	Potassium, Total, ICAP	20	19.8	MGL	99.0	(70-130)	
MSD	Potassium, Total, ICAP	20	19.3	MGL	96.5	(70-130)	
MSD2	Potassium, Total, ICAP	20	19.6	MGL	98.0	(70-130)	
RPD_LCS	Potassium, Total, ICAP	96.500	97.000	MGL	0.5	(0-20)	
RPD_MS	Potassium, Total, ICAP	95.500	96.500	MGL	1.0	(0-20)	

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Tronox LLC - Henderson
(continued)

QC Ref #449053 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	20.5	MGL	102.5	(85-115)	
LCS2	Magnesium, Total, ICAP	20	20.4	MGL	102.0	(85-115)	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.106	MGL	106.0	(50-150)	
MS	Magnesium, Total, ICAP	20	19.8	MGL	99.0	(70-130)	
MS2	Magnesium, Total, ICAP	20	20.8	MGL	104.0	(70-130)	
MSD	Magnesium, Total, ICAP	20	19.8	MGL	99.0	(70-130)	
MSD2	Magnesium, Total, ICAP	20	20.3	MGL	101.5	(70-130)	
RPD_LCS	Magnesium, Total, ICAP	102.500	102.000	MGL	0.5	(0-20)	
RPD_MS	Magnesium, Total, ICAP	99.000	99.000	MGL	0.0	(0-20)	

QC Ref #449059 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.485	MGL	97.0	(85-115)	
LCS2	Boron, Total, ICAP	0.5	0.489	MGL	97.8	(85-115)	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.0609	MGL	121.8	(50-150)	
MS	Boron, Total, ICAP	0.5	0.482	MGL	96.4	(70-130)	
MS2	Boron, Total, ICAP	0.5	0.487	MGL	97.4	(70-130)	
MSD	Boron, Total, ICAP	0.5	0.481	MGL	96.2	(70-130)	
MSD2	Boron, Total, ICAP	0.5	0.487	MGL	97.4	(70-130)	
RPD_LCS	Boron, Total, ICAP	97.000	97.800	MGL	0.8	(0-20)	
RPD_MS	Boron, Total, ICAP	96.400	96.200	MGL	0.2	(0-20)	

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QC Ref #449066 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	49.1	MGL	98.2	(85-115)	
LCS2	Sodium, Total, ICAP	50	49.1	MGL	98.2	(85-115)	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	1.03	MGL	103.0	(50-150)	
MS	Sodium, Total, ICAP	50	47.7	MGL	95.4	(70-130)	
MS2	Sodium, Total, ICAP	50	49.5	MGL	99.0	(70-130)	
MSD	Sodium, Total, ICAP	50	47.8	MGL	95.6	(70-130)	
MSD2	Sodium, Total, ICAP	50	48.1	MGL	96.2	(70-130)	
RPD_LCS	Sodium, Total, ICAP	98.200	98.200	MGL	0.0	(0-20)	
RPD_MS	Sodium, Total, ICAP	95.400	95.600	MGL	0.2	(0-20)	

QC Ref #449085 Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	901	901	UMHO		(0-20)	0.0
DUP2	Specific Conductance	1030	1031	UMHO		(0-20)	0.1
LCS1	Specific Conductance	1000	1001	UMHO	100.1	(90-110)	
LCS2	Specific Conductance	1000	998	UMHO	99.8	(90-110)	
MBLK	Specific Conductance	ND	<2.0	UMHO			
MRL_CHK	Specific Conductance	2.00	1.68	UMHO	84.0	(50-150)	

QC Ref #449178 Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030130	MGL		(0-0)	
LCS1	Chloride	25	26.7	MGL	106.8	(90-110)	
LCS2	Chloride	25	26	MGL	104.0	(90-110)	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.408	MGL	81.6	(50-150)	

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MS	Chloride	12.5	11.9	MGL	95.2	(74-138)
MSD	Chloride	12.5	11.9	MGL	95.2	(74-138)
RPD_LCS	Chloride	106.800	104.000	MGL	2.7	(0-20)
RPD_MS	Chloride	95.200	95.200	MGL	0.0	(0-20)

QC Ref #449179 Sulfate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030130	MGL		(0-0)	
LCS1	Sulfate	50	53.6	MGL	107.2	(90-110)	
LCS2	Sulfate	50	52.2	MGL	104.4	(90-110)	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	1.00	0.898	MGL	89.8	(50-150)	
MS	Sulfate	25	24.9	MGL	99.6	(84-130)	
MSD	Sulfate	25	25	MGL	100.0	(84-130)	
RPF_LCS	Sulfate	107.200	104.400	MGL	2.6	(0-20)	
RPI_MS	Sulfate	99.600	100.000	MGL	0.4	(0-20)	

QC Ref #449189 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030130	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.57	MGL	102.8	(90-110)	
LCS2	Nitrate as Nitrogen by IC	2.5	2.52	MGL	100.8	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0504	MGL	100.8	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.24	MGL	99.2	(87-121)	
MSD	Nitrate as Nitrogen by IC	1.25	1.23	MGL	98.4	(87-121)	
RPD_LCS	Nitrate as Nitrogen by IC	102.800	100.800	MGL	2.0	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	99.200	98.400	MGL	0.8	(0-20)	

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QC Ref #449416 Weak Acid Dissociable Cyanide

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08270341	MGL		(0-0)	
LCS1	Weak Acid Dissociable Cyanide	0.1	0.106	MGL	106.0	(90-110)	
LCS2	Weak Acid Dissociable Cyanide	0.1	0.106	MGL	106.0	(90-110)	
MBLK	Weak Acid Dissociable Cyanide	ND	<0.0050	MGL			
MS	Weak Acid Dissociable Cyanide	0.1	0.092	MGL	92.0	(85-115)	
MSD	Weak Acid Dissociable Cyanide	0.1	0.094	MGL	94.0	(85-115)	

QC Ref #449591 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08290237	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.7	UGL	102.8	(85-115)	
LCS2	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS3	Perchlorate	4	4.59	UGL	114.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.6	UGL	98.4	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	102.800	101.600	UGL	1.2	(0-15)	
RPD_MS	Perchlorate	98.400	99.600	UGL	1.0	(0-15)	

QC Ref #449762 Zinc, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030024	MGL		(0-0)	
LCS1	Zinc, Total, ICAP	1.00	0.992	MGL	99.2	(85-115)	
LCS2	Zinc, Total, ICAP	1.00	0.983	MGL	98.3	(85-115)	
MBLK	Zinc, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Zinc, Total, ICAP	0.020	0.0214	MGL	107.0	(50-150)	
MS	Zinc, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	

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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
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MSD	Zinc, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)
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QC Ref #449772 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09040381	MGL		(0-0)	
LCS1	Alkalinity in CaCO3 units	100	101	MGL	101.0	(90-110)	
LCS2	Alkalinity in CaCO3 units	100	104	MGL	104.0	(90-110)	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	1.18	MGL	59.0	(50-150)	
MS	Alkalinity in CaCO3 units	100	99	MGL	99.0	(80-120)	
MS2	Alkalinity in CaCO3 units	100	97	MGL	97.0	(80-120)	
MSD	Alkalinity in CaCO3 units	100	100	MGL	100.0	(80-120)	
MSD2	Alkalinity in CaCO3 units	100	95	MGL	95.0	(80-120)	
RPD_LCS	Alkalinity in CaCO3 units	101.000	104.000	MGL	2.9	(0-10)	
RPD_MS	Alkalinity in CaCO3 units	99.000	100.000	MGL	1.0	(0-20)	

QC Ref #449783 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Manganese, Total, ICAP/MS	50	50.3	UGL	100.6	(85-115)	
LCS2	Manganese, Total, ICAP/MS	50	49.8	UGL	99.6	(85-115)	
MBLK	Manganese, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Manganese, Total, ICAP/MS	2.000	2.13	UGL	106.5	(50-150)	
MS	Manganese, Total, ICAP/MS	50	45.9	UGL	91.8	(70-130)	
MS2	Manganese, Total, ICAP/MS	50	45.9	UGL	91.8	(70-130)	
MSD	Manganese, Total, ICAP/MS	50	44.7	UGL	89.4	(70-130)	
MSD2	Manganese, Total, ICAP/MS	50	45.8	UGL	91.6	(70-130)	
RPD_LCS	Manganese, Total, ICAP/MS	100.600	99.600	UGL	1.0	(0-20)	
RPD_MS	Manganese, Total, ICAP/MS	91.800	89.400	UGL	2.6	(0-20)	

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750 Royal Oaks Drive, Suite 100
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QC Ref #449792 Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Nickel, Total, ICAP/MS	50	49.4	UGL	98.8	(85-115)	
LCS2	Nickel, Total, ICAP/MS	50	48.6	UGL	97.2	(85-115)	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	5.33	UGL	106.6	(50-150)	
MS	Nickel, Total, ICAP/MS	50	43.2	UGL	86.4	(70-130)	
MS2	Nickel, Total, ICAP/MS	50	43.3	UGL	86.6	(70-130)	
MSD	Nickel, Total, ICAP/MS	50	42.2	UGL	84.4	(70-130)	
MSD2	Nickel, Total, ICAP/MS	50	43.1	UGL	86.2	(70-130)	
RPD_LCS	Nickel, Total, ICAP/MS	98.800	97.200	UGL	1.6	(0-20)	
RPD_MS	Nickel, Total, ICAP/MS	86.400	84.400	UGL	2.3	(0-20)	

QC Ref #449808 Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Selenium, Total, ICAP/MS	20	19.4	UGL	97.0	(85-115)	
LCS2	Selenium, Total, ICAP/MS	20	19	UGL	95.0	(85-115)	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	5.09	UGL	101.8	(50-150)	
MS	Selenium, Total, ICAP/MS	20	20.3	UGL	101.5	(70-130)	
MS2	Selenium, Total, ICAP/MS	20	19.8	UGL	99.0	(70-130)	
MSD	Selenium, Total, ICAP/MS	20	19.8	UGL	99.0	(70-130)	
MSD2	Selenium, Total, ICAP/MS	20	19.7	UGL	98.5	(70-130)	
RPD_LCS	Selenium, Total, ICAP/MS	97.000	95.000	UGL	2.1	(0-20)	
RPD_MS	Selenium, Total, ICAP/MS	101.500	99.000	UGL	2.5	(0-20)	

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A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
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QC Ref #449817 Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Silver, Total, ICAP/MS	50	50.2	UGL	100.4	(85-115)	
LCS2	Silver, Total, ICAP/MS	50	50.3	UGL	100.6	(85-115)	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.55	UGL	110.0	(50-150)	
MS	Silver, Total, ICAP/MS	50	47.5	UGL	95.0	(70-130)	
MS2	Silver, Total, ICAP/MS	50	42.4	UGL	84.8	(70-130)	
MSD	Silver, Total, ICAP/MS	50	47.1	UGL	94.2	(70-130)	
MSD2	Silver, Total, ICAP/MS	50	43.3	UGL	86.6	(70-130)	
RPD_LCS	Silver, Total, ICAP/MS	100.400	100.600	UGL	0.2	(0-20)	
RPD_MS	Silver, Total, ICAP/MS	95.000	94.200	UGL	0.8	(0-20)	

QC Ref #449820 Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Cadmium, Total, ICAP/MS	20	20.7	UGL	103.5	(85-115)	
LCS2	Cadmium, Total, ICAP/MS	20	20.6	UGL	103.0	(85-115)	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.50	UGL	100.0	(50-150)	
MS	Cadmium, Total, ICAP/MS	20	20.1	UGL	100.5	(70-130)	
MS2	Cadmium, Total, ICAP/MS	20	19	UGL	95.0	(70-130)	
MSD	Cadmium, Total, ICAP/MS	20	19.7	UGL	98.5	(70-130)	
MSD2	Cadmium, Total, ICAP/MS	20	19.1	UGL	95.5	(70-130)	
RPD_LCS	Cadmium, Total, ICAP/MS	103.500	103.000	UGL	0.5	(0-20)	
RPD_MS	Cadmium, Total, ICAP/MS	100.500	98.500	UGL	2.0	(0-20)	

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QC Ref #449824 Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Antimony, Total, ICAP/MS	50	52.6	UGL	105.2	(85-115)	
LCS2	Antimony, Total, ICAP/MS	50	52.8	UGL	105.6	(85-115)	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.1	UGL	110.0	(50-150)	
MS	Antimony, Total, ICAP/MS	50	52.9	UGL	105.8	(70-130)	
MS2	Antimony, Total, ICAP/MS	50	50	UGL	100.0	(70-130)	
MSD	Antimony, Total, ICAP/MS	50	51.6	UGL	103.2	(70-130)	
MSD2	Antimony, Total, ICAP/MS	50	50.4	UGL	100.8	(70-130)	
RPD_LCS	Antimony, Total, ICAP/MS	105.200	105.600	UGL	0.4	(0-20)	
RPD_MS	Antimony, Total, ICAP/MS	105.800	103.200	UGL	2.5	(0-20)	

QC Ref #449826 Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Aluminum, Total, ICAP/MS	200	196	UGL	98.0	(85-115)	
LCS2	Aluminum, Total, ICAP/MS	200	193	UGL	96.5	(85-115)	
MBLK	Aluminum, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Aluminum, Total, ICAP/MS	25.000	20.5	UGL	82.0	(50-150)	
MS	Aluminum, Total, ICAP/MS	200	181	UGL	90.5	(70-130)	
MS2	Aluminum, Total, ICAP/MS	200	187	UGL	93.5	(70-130)	
MSD	Aluminum, Total, ICAP/MS	200	177	UGL	88.5	(70-130)	
MSD2	Aluminum, Total, ICAP/MS	200	184	UGL	92.0	(70-130)	
RPD_LCS	Aluminum, Total, ICAP/MS	98.000	96.500	UGL	1.5	(0-20)	
RPD_MS	Aluminum, Total, ICAP/MS	90.500	88.500	UGL	2.2	(0-20)	

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Monrovia, California 91016-3629
Tel: 626 386 1100
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QC Ref #449829 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Barium, Total, ICAP/MS	100	103	UGL	103.0	(85-115)	
LCS2	Barium, Total, ICAP/MS	100	102	UGL	102.0	(85-115)	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	2.11	UGL	105.5	(50-150)	
MS	Barium, Total, ICAP/MS	100	94.4	UGL	94.4	(70-130)	
MS2	Barium, Total, ICAP/MS	100	91.4	UGL	91.4	(70-130)	
MSD	Barium, Total, ICAP/MS	100	91.3	UGL	91.3	(70-130)	
MSD2	Barium, Total, ICAP/MS	100	92.7	UGL	92.7	(70-130)	
RPD_LCS	Barium, Total, ICAP/MS	103.000	102.000	UGL	1.0	(0-20)	
RPD_MS	Barium, Total, ICAP/MS	94.400	91.300	UGL	3.3	(0-20)	

QC Ref #449833 Thallium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Thallium, Total, ICAP/MS	20.0	22.3	UGL	111.5	(85-115)	
LCS2	Thallium, Total, ICAP/MS	20.0	22.2	UGL	111.0	(85-115)	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	1.17	UGL	117.0	(50-150)	
MS	Thallium, Total, ICAP/MS	20.0	20.7	UGL	103.5	(70-130)	
MS2	Thallium, Total, ICAP/MS	20.0	21	UGL	105.0	(70-130)	
MSD	Thallium, Total, ICAP/MS	20.0	20.6	UGL	103.0	(70-130)	
MSD2	Thallium, Total, ICAP/MS	20.0	21.4	UGL	107.0	(70-130)	
RPD_LCS	Thallium, Total, ICAP/MS	111.500	111.000	UGL	0.4	(0-20)	
RPD_MS	Thallium, Total, ICAP/MS	103.500	103.000	UGL	0.5	(0-20)	

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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3829
Tel: 626 388 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

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QC Ref #449872 Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
LCS1	Mercury	1.50	1.41	UGL	94.0	(85-115)	
LCS2	Mercury	1.50	1.41	UGL	94.0	(85-115)	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.200	UGL	100.0	(50-150)	
MS	Mercury	1.50	1.49	UGL	99.3	(70-130)	
MSD	Mercury	1.50	1.48	UGL	98.7	(70-130)	
RPD_LCS	Mercury	94.000	94.000	UGL	0.0	(0-20)	
RPD_MS	Mercury	99.333	98.667	UGL	0.7	(0-20)	

QC Ref #449961 Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
LCS1	Copper, Total, ICAP/MS	100	97	UGL	97.0	(85-115)	
LCS2	Copper, Total, ICAP/MS	100	98.2	UGL	98.2	(85-115)	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	1.97	UGL	98.5	(50-150)	
MS	Copper, Total, ICAP/MS	100	82	UGL	82.0	(70-130)	
MSD	Copper, Total, ICAP/MS	100	79.4	UGL	79.4	(70-130)	
RPD_LCS	Copper, Total, ICAP/MS	97.000	98.200	UGL	1.2	(0-20)	
RPD_MS	Copper, Total, ICAP/MS	82.000	79.400	UGL	3.2	(0-20)	

QC Ref #450110 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Chromium, Total, ICAP/MS	100	101	UGL	101.0	(85-115)	

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LCS2	Chromium, Total, ICAP/MS	100	98.7	UGL	98.7	(85-115)
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL		
MRL_CHK	Chromium, Total, ICAP/MS	1.000	0.96	UGL	96.0	(50-150)
MS	Chromium, Total, ICAP/MS	100	91.4	UGL	91.4	(70-130)
MS2	Chromium, Total, ICAP/MS	100	94	UGL	94.0	(70-130)
MSD	Chromium, Total, ICAP/MS	100	89.4	UGL	89.4	(70-130)
MSD2	Chromium, Total, ICAP/MS	100	94.8	UGL	94.8	(70-130)
RPD_LCS	Chromium, Total, ICAP/MS	101.000	98.700	UGL	2.3	(0-20)
RPD_MS	Chromium, Total, ICAP/MS	91.400	89.400	UGL	2.2	(0-20)

QC Ref #450113 Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Arsenic, Total, ICAP/MS	20	20.1	UGL	100.5	(85-115)	
LCS2	Arsenic, Total, ICAP/MS	20	19.8	UGL	99.0	(85-115)	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	1.03	UGL	103.0	(50-150)	
MS	Arsenic, Total, ICAP/MS	20	19.3	UGL	96.5	(70-130)	
MS2	Arsenic, Total, ICAP/MS	20	19.9	UGL	99.5	(70-130)	
MSD	Arsenic, Total, ICAP/MS	20	19	UGL	95.0	(70-130)	
MSD2	Arsenic, Total, ICAP/MS	20	20.1	UGL	100.5	(70-130)	
RPD_LCS	Arsenic, Total, ICAP/MS	100.500	99.000	UGL	1.5	(0-20)	
RPD_MS	Arsenic, Total, ICAP/MS	96.500	95.000	UGL	1.6	(0-20)	

QC Ref #450122 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09030092	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09040229	UGL		(0-0)	
LCS1	Lead, Total, ICAP/MS	20	22.3	UGL	111.5	(85-115)	
LCS2	Lead, Total, ICAP/MS	20	22.3	UGL	111.5	(85-115)	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			

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MWH Laboratories
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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
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MRL_CHK	Analyte	0.500	0.56	UGL	112.0	(50-150)
MS	Lead, Total, ICAP/MS	20	21.3	UGL	106.5	(70-130)
MS2	Lead, Total, ICAP/MS	20	20.3	UGL	101.5	(70-130)
MSD	Lead, Total, ICAP/MS	20	20.9	UGL	104.5	(70-130)
MSD2	Lead, Total, ICAP/MS	20	20.5	UGL	102.5	(70-130)
RPD_LCS	Lead, Total, ICAP/MS	111.500	111.500	UGL	0.0	(0-20)
RPD_MS	Lead, Total, ICAP/MS	106.500	104.500	UGL	1.9	(0-20)

QC Ref #450263 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09020529	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	358	368	MGL		(0-10)	2.8
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	732	MGL	104.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	93.714	104.571	MGL	11.0	(0-20)	

QC Ref #450983 Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,2-Trichloroethane (1,1,2-T	20	20.0	UGL	100.0	(79-116)	
LCS2	1,1,2-Trichloroethane (1,1,2-T	20	19.1	UGL	95.5	(79-116)	
MBLK	1,1,2-Trichloroethane (1,1,2-T	ND	<0.5	UGL			
MS	1,1,2-Trichloroethane (1,1,2-T	10	10.1	UGL	101.0	(76-129)	
RPD_LCS	1,1,2-Trichloroethane (1,1,2-T	100.000	95.500	UGL	4.6	(0-20)	
LCS1	1,1-Dichloroethylene (1,1DCE)	20	21.2	UGL	106.0	(77-129)	
LCS2	1,1-Dichloroethylene (1,1DCE)	20	20.4	UGL	102.0	(77-129)	
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	UGL			
MS	1,1-Dichloroethylene (1,1DCE)	10	11.5	UGL	115.0	(70-146)	
RPD_LCS	1,1-Dichloroethylene (1,1DCE)	106.000	102.000	UGL	3.8	(0-20)	
LCS1	1,1-Dichloroethane	20	19.9	UGL	99.5	(79-118)	
LCS2	1,1-Dichloroethane	20	19.2	UGL	96.0	(79-118)	

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Tronox LLC - Henderson
(continued)

MBLK	1,1-Dichloroethane	ND	<0.5	UGL		
MS	1,1-Dichloroethane	10	10.9	UGL	109.0	(75-134)
RPD_LCS	1,1-Dichloroethane	99.500	96.000	UGL	3.6	(0-20)
LCS1	o-Dichlorobenzene (1,2-DCB)	20	19.4	UGL	97.0	(79-118)
LCS2	o-Dichlorobenzene (1,2-DCB)	20	18.3	UGL	91.5	(79-118)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL		
MS	o-Dichlorobenzene (1,2-DCB)	10	10.1	UGL	101.0	(80-125)
RPD_LCS	o-Dichlorobenzene (1,2-DCB)	97.000	91.500	UGL	5.8	(0-20)
LCS1	1,2-Dichloroethane	20	20.6	UGL	103.0	(81-122)
LCS2	1,2-Dichloroethane	20	20.2	UGL	101.0	(81-122)
MBLK	1,2-Dichloroethane	ND	<0.5	UGL		
MS	1,2-Dichloroethane	10	10.3	UGL	103.0	(75-135)
RPD_LCS	1,2-Dichloroethane	103.000	101.000	UGL	2.0	(0-20)
LCS1	1,2-Dichloropropane	20	19.2	UGL	96.0	(77-118)
LCS2	1,2-Dichloropropane	20	18.8	UGL	94.0	(77-118)
MBLK	1,2-Dichloropropane	ND	<0.5	UGL		
MS	1,2-Dichloropropane	10	9.83	UGL	98.3	(73-132)
RPD_LCS	1,2-Dichloropropane	96.000	94.000	UGL	2.1	(0-20)
LCS1	m-Dichlorobenzene (1,3-DCB)	20	22.3	UGL	111.5	(76-124)
LCS2	m-Dichlorobenzene (1,3-DCB)	20	21.9	UGL	109.5	(76-124)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND	<0.5	UGL		
MS	m-Dichlorobenzene (1,3-DCB)	10	11.7	UGL	117.0	(76-139)
RPD_LCS	m-Dichlorobenzene (1,3-DCB)	111.500	109.500	UGL	1.8	(0-20)
LCS1	p-Dichlorobenzene (1,4-DCB)	20	22.5	UGL	112.5	(74-130)
LCS2	p-Dichlorobenzene (1,4-DCB)	20	22.2	UGL	111.0	(74-130)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10	11.8	UGL	118.0	(71-145)
RPD_LCS	p-Dichlorobenzene (1,4-DCB)	112.500	111.000	UGL	1.3	(0-20)
LCS1	2-Butanone (MEK)	200	195	UGL	97.5	(65-122)
LCS2	2-Butanone (MEK)	200	192	UGL	96.0	(65-122)
MBLK	2-Butanone (MEK)	ND	<10	UGL		
MS	2-Butanone (MEK)	100	84.7	UGL	84.7	(59-129)
RPD_LCS	2-Butanone (MEK)	97.500	96.000	UGL	1.6	(0-20)
LCS1	2-Hexanone	200	216	UGL	108.0	(72-128)
LCS2	2-Hexanone	200	212	UGL	106.0	(72-128)
MBLK	2-Hexanone	ND	<10	UGL		

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 Monrovia, California 91016-3629
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Tronox LLC - Henderson (continued)

MS	2-Hexanone	100	104	UGL	104.0	(71-134)
RPD_LCS	2-Hexanone	108.000	106.000	UGL	1.9	(0-20)
LCS1	4-Methyl-2-Pentanone (MIBK)	200	217	UGL	108.5	(76-130)
LCS2	4-Methyl-2-Pentanone (MIBK)	200	211	UGL	105.5	(76-130)
MBLK	4-Methyl-2-Pentanone (MIBK)	ND	<10	UGL		
MS	4-Methyl-2-Pentanone (MIBK)	100	104	UGL	104.0	(75-136)
RPD_LCS	4-Methyl-2-Pentanone (MIBK)	108.500	105.500	UGL	2.8	(0-20)
MS	Spiked sample	Lab # 28	09020144	NONE		(0-0)
LCS1	Acetone	200	201	UGL	100.5	(47-117)
LCS2	Acetone	200	203	UGL	101.5	(47-117)
MBLK	Acetone	ND	<10	UGL		
MS	Acetone	100	68.9	UGL	68.9	(37-119)
RPD_LCS	Acetone	100.500	101.500	UGL	1.0	(0-20)
LCS1	Benzene	20	21.0	UGL	105.0	(78-119)
LCS2	Benzene	20	20.0	UGL	100.0	(78-119)
MBLK	Benzene	ND	<0.5	UGL		
MS	Benzene	10	10.6	UGL	106.0	(76-133)
RPD_LCS	Benzene	105.000	100.000	UGL	4.9	(0-20)
LCS1	cis-1,2-Dichloroethene	20	22.0	UGL	110.0	(80-114)
LCS2	cis-1,2-Dichloroethene	20	21.3	UGL	106.5	(80-114)
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL		
MS	cis-1,2-Dichloroethene	10	11.9	UGL	119.0	(78-133)
RPD_LCS	cis-1,2-Dichloroethene	110.000	106.500	UGL	3.2	(0-20)
LCS1	Chlorobenzene	20	21.3	UGL	106.5	(80-119)
LCS2	Chlorobenzene	20	20.3	UGL	101.5	(80-119)
MBLK	Chlorobenzene	ND	<0.5	UGL		
MS	Chlorobenzene	10	10.6	UGL	106.0	(77-132)
RPD_LCS	Chlorobenzene	106.500	101.500	UGL	4.8	(0-20)
LCS1	cis-1,3-Dichloropropene	20	19.6	UGL	98.0	(68-123)
LCS2	cis-1,3-Dichloropropene	20	18.9	UGL	94.5	(68-123)
MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL		
MS	cis-1,3-Dichloropropene	10	7.22	UGL	72.2	(65-120)
RPD_LCS	cis-1,3-Dichloropropene	98.000	94.500	UGL	3.6	(0-20)
LCS1	Bromoform	20	22.9	UGL	114.5	(54-134)
LCS2	Bromoform	20	22.8	UGL	114.0	(54-134)
MBLK	Bromoform	ND	<0.5	UGL		

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750 Royal Oaks Drive, Suite 100
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Tronox LLC - Henderson (continued)

MS	Bromoform	10	8.50	UGL	85.0	(51-140)
RPD_LCS	Bromoform	114.500	114.000	UGL	0.4	(0-20)
LCS1	Chloroform (Trichloromethane)	20	22.0	UGL	110.0	(78-117)
LCS2	Chloroform (Trichloromethane)	20	20.9	UGL	104.5	(78-117)
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL		
MS	Chloroform (Trichloromethane)	10	11.6	UGL	116.0	(76-133)
RPD_LCS	Chloroform (Trichloromethane)	110.000	104.500	UGL	5.1	(0-20)
LCS1	Chloroethane	20	20.8	UGL	104.0	(70-133)
LCS2	Chloroethane	20	20.0	UGL	100.0	(70-133)
MBLK	Chloroethane	ND	<0.5	UGL		
MS	Chloroethane	10	12.0	UGL	120.0	(45-180)
RPD_LCS	Chloroethane	104.000	100.000	UGL	3.9	(0-20)
LCS1	Carbon disulfide	20	19.0	UGL	95.0	(63-131)
LCS2	Carbon disulfide	20	17.7	UGL	88.5	(63-131)
MBLK	Carbon disulfide	ND	<0.5	UGL		
MS	Carbon disulfide	10	10.3	UGL	103.0	(65-155)
RPD_LCS	Carbon disulfide	95.000	88.500	UGL	7.1	(0-20)
LCS1	Carbon Tetrachloride	20	22.4	UGL	112.0	(73-127)
LCS2	Carbon Tetrachloride	20	21.7	UGL	108.5	(73-127)
MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10	11.9	UGL	119.0	(71-151)
RPD_LCS	Carbon Tetrachloride	112.000	108.500	UGL	3.2	(0-20)
LCS1	Dibromochloromethane	20	21.3	UGL	106.5	(70-125)
LCS2	Dibromochloromethane	20	20.8	UGL	104.0	(70-125)
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10	9.48	UGL	94.8	(68-136)
RPD_LCS	Dibromochloromethane	106.500	104.000	UGL	2.4	(0-20)
LCS1	Dichlorobromomethane	20	19.7	UGL	98.5	(77-113)
LCS2	Dichlorobromomethane	20	18.8	UGL	94.0	(77-113)
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10	10.0	UGL	100.0	(77-130)
RPD_LCS	Dichlorobromomethane	98.500	94.000	UGL	4.7	(0-20)
LCS1	Ethyl benzene	20	22.5	UGL	112.5	(79-122)
LCS2	Ethyl benzene	20	21.4	UGL	107.0	(79-122)
MBLK	Ethyl benzene	ND	<0.5	UGL		
MS	Ethyl benzene	10	11.6	UGL	116.0	(68-146)

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Tronox LLC - Henderson (continued)

RPD_LCS	Ethyl benzene	112.500	107.000	UGL	5.0	(0-20)
LCS1	Dichlorodifluoromethane	20	19.3	UGL	96.5	(63-131)
LCS2	Dichlorodifluoromethane	20	18.8	UGL	94.0	(63-131)
MBLK	Dichlorodifluoromethane	ND	<0.5	UGL		
MS	Dichlorodifluoromethane	10	10.8	UGL	108.0	(30-169)
RPD_LCS	Dichlorodifluoromethane	96.500	94.000	UGL	2.6	(0-20)
LCS1	Methyl Bromide	20	20.6	UGL	103.0	(67-144)
LCS2	Methyl Bromide	20	19.8	UGL	99.0	(67-144)
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10	11.1	UGL	111.0	(55-147)
RPD_LCS	Methyl Bromide	103.000	99.000	UGL	4.0	(0-20)
LCS1	Methyl Chloride	20	20.9	UGL	104.5	(78-134)
LCS2	Methyl Chloride	20	19.9	UGL	99.5	(78-134)
MBLK	Methyl Chloride	ND	<0.5	UGL		
MS	Methyl Chloride	10	10.8	UGL	108.0	(58-143)
RPD_LCS	Methyl Chloride	104.500	99.500	UGL	4.9	(0-20)
LCS1	Methylene Chloride	20	21.0	UGL	105.0	(77-121)
LCS2	Methylene Chloride	20	19.9	UGL	99.5	(77-121)
MBLK	Methylene Chloride	ND	<3.0	UGL		
MS	Methylene Chloride	10	10.6	UGL	106.0	(75-132)
RPD_LCS	Methylene Chloride	105.000	99.500	UGL	5.4	(0-20)
LCS1	m,p-Xylenes	40	45.6	UGL	114.0	(82-123)
LCS2	m,p-Xylenes	40	43.1	UGL	107.8	(82-123)
MBLK	m,p-Xylenes	ND	<1.0	UGL		
MS	m,p-Xylenes	20	23.9	UGL	119.5	(79-142)
RPD_LCS	m,p-Xylenes	114.000	107.750	UGL	5.6	(0-20)
LCS1	o-Xylene	20	23.0	UGL	115.0	(79-120)
LCS2	o-Xylene	20	21.7	UGL	108.5	(79-120)
MBLK	o-Xylene	ND	<0.5	UGL		
MS	o-Xylene	10	11.7	UGL	117.0	(91-123)
RPD_LCS	o-Xylene	115.000	108.500	UGL	5.8	(0-20)
LCS1	1,1,2,2-Tetrachloroethane	20	21.2	UGL	106.0	(77-126)
LCS2	1,1,2,2-Tetrachloroethane	20	20.8	UGL	104.0	(77-126)
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10	10.9	UGL	109.0	(79-130)
RPD_LCS	1,1,2,2-Tetrachloroethane	106.000	104.000	UGL	1.9	(0-20)

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Tronox LLC - Henderson
(continued)

LCS1	Tetrachloroethylene (PCE)	20	22.5	UGL	112.5	(79-122)
LCS2	Tetrachloroethylene (PCE)	20	21.7	UGL	108.5	(79-122)
MBLK	Tetrachloroethylene (PCE)	ND	<0.5	UGL		
MS	Tetrachloroethylene (PCE)	10	12.4	UGL	124.0	(72-146)
RPD_LCS	Tetrachloroethylene (PCE)	112.500	108.500	UGL	3.6	(0-20)
LCS1	Styrene	20	22.7	UGL	113.5	(77-125)
LCS2	Styrene	20	21.6	UGL	108.0	(77-125)
MBLK	Styrene	ND	<0.5	UGL		
MS	Styrene	10	8.79	UGL	87.9	(66-142)
RPD_LCS	Styrene	113.500	108.000	UGL	5.0	(0-20)
LCS1	1,2-dichloroethane-d4	100	95	%R	95.0	(70-130)
LCS2	1,2-dichloroethane-d4	100	92	%R	92.0	(70-130)
MBLK	1,2-dichloroethane-d4	100	106	%R	106.0	
MS	1,2-dichloroethane-d4	100	97	%R	97.0	(70-130)
RPD_LCS	1,2-dichloroethane-d4	95.000	92.000	%R	3.2	(0-20)
LCS1	Toluene-d8	100	100	%R	100.0	(70-130)
LCS2	Toluene-d8	100	98	%R	98.0	(70-130)
MBLK	Toluene-d8	100	82	%R	82.0	
MS	Toluene-d8	100	100	%R	100.0	(70-130)
RPD_LCS	Toluene-d8	100.000	98.000	%R	2.0	(0-20)
LCS1	4-Bromofluorobenzene	100	108	%R	108.0	(70-130)
LCS2	4-Bromofluorobenzene	100	109	%R	109.0	(70-130)
MBLK	4-Bromofluorobenzene	100	103	%R	103.0	
MS	4-Bromofluorobenzene	100	104	%R	104.0	(70-130)
RPD_LCS	4-Bromofluorobenzene	108.000	109.000	%R	0.9	(0-20)
LCS1	trans-1,2-Dichloroethene	20	22.2	UGL	111.0	(82-122)
LCS2	trans-1,2-Dichloroethene	20	21.4	UGL	107.0	(82-122)
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		
MS	trans-1,2-Dichloroethene	10	11.4	UGL	114.0	(74-138)
RPD_LCS	trans-1,2-Dichloroethene	111.000	107.000	UGL	3.7	(0-20)
LCS1	1,1,1-Trichloroethane	20	21.6	UGL	108.0	(79-121)
LCS2	1,1,1-Trichloroethane	20	21.0	UGL	105.0	(79-121)
MBLK	1,1,1-Trichloroethane	ND	<0.5	UGL		
MS	1,1,1-Trichloroethane	10	11.8	UGL	118.0	(75-144)
RPD_LCS	1,1,1-Trichloroethane	108.000	105.000	UGL	2.8	(0-20)
LCS1	Trichloroethylene (TCE)	20	22.5	UGL	112.5	(78-119)

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750 Royal Oaks Drive, Suite 100
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Tronox LLC - Henderson (continued)

LCS2	Trichloroethylene (TCE)	20	22.2	UGL	111.0	(78-119)
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10	11.8	UGL	118.0	(71-139)
RPD_LCS	Trichloroethylene (TCE)	112.500	111.000	UGL	1.3	(0-20)
LCS1	Trichlorofluoromethane	20	25.0	UGL	125.0	(70-145)
LCS2	Trichlorofluoromethane	20	24.3	UGL	121.5	(70-145)
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		
MS	Trichlorofluoromethane	10	12.3	UGL	123.0	(63-161)
RPD_LCS	Trichlorofluoromethane	125.000	121.500	UGL	2.8	(0-20)
LCS1	trans-1,3-Dichloropropene	20	19.0	UGL	95.0	(64-126)
LCS2	trans-1,3-Dichloropropene	20	18.3	UGL	91.5	(64-126)
MBLK	trans-1,3-Dichloropropene	ND	<0.5	UGL		
MS	trans-1,3-Dichloropropene	10	7.34	UGL	73.4	(61-127)
RPD_LCS	trans-1,3-Dichloropropene	95.000	91.500	UGL	3.8	(0-20)
LCS1	Tetrahydrofuran	200	231	UGL	115.5	(67-130)
LCS2	Tetrahydrofuran	200	224	UGL	112.0	(67-130)
MBLK	Tetrahydrofuran	ND	<10	UGL		
MS	Tetrahydrofuran	100	97.3	UGL	97.3	(68-134)
RPD_LCS	Tetrahydrofuran	115.500	112.000	UGL	3.1	(0-20)
LCS1	Toluene	20	20.5	UGL	102.5	(80-118)
LCS2	Toluene	20	19.4	UGL	97.0	(80-118)
MBLK	Toluene	ND	<0.5	UGL		
MS	Toluene	10	10.2	UGL	102.0	(66-143)
RPD_LCS	Toluene	102.500	97.000	UGL	5.5	(0-20)
LCS1	Vinyl Chloride (VC)	20	22.5	UGL	112.5	(66-140)
LCS2	Vinyl Chloride (VC)	20	21.8	UGL	109.0	(66-140)
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL		
MS	Vinyl Chloride (VC)	10	11.8	UGL	118.0	(56-159)
RPD_LCS	Vinyl Chloride (VC)	112.500	109.000	UGL	3.2	(0-20)
LCS1	Vinyl Acetate	100	111	UGL	111.0	(72-136)
LCS2	Vinyl Acetate	100	107	UGL	107.0	(72-136)
MBLK	Vinyl Acetate	ND	<10	UGL		
MS	Vinyl Acetate	50	49.0	UGL	98.0	(55-146)
RPD_LCS	Vinyl Acetate	111.000	107.000	UGL	3.7	(0-20)

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

Tronox LLC - Henderson
 (continued)

QC Ref #451161

Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09100135	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	09120094	UGL		(0-0)	
LCS1	Beryllium, Total, ICAP/MS	5.00	5.05	UGL	101.0	(85-115)	
LCS2	Beryllium, Total, ICAP/MS	5.00	4.92	UGL	98.4	(85-115)	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	1.10	UGL	110.0	(50-150)	
MS	Beryllium, Total, ICAP/MS	5.00	5.07	UGL	101.4	(70-130)	
MS2	Beryllium, Total, ICAP/MS	5.00	4.97	UGL	99.4	(70-130)	
MSD	Beryllium, Total, ICAP/MS	5.00	5.07	UGL	101.4	(70-130)	
MSD2	Beryllium, Total, ICAP/MS	5.00	4.96	UGL	99.2	(70-130)	
RPD_LCS	Beryllium, Total, ICAP/MS	101.000	98.400	UGL	2.6	(0-20)	
RPD_MS	Beryllium, Total, ICAP/MS	101.400	101.400	UGL	0.0	(0-20)	

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 are advisory only, unless otherwise specified in the method.