



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

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### DATE OF ISSUE

Aug 29 2008

MWH LABORATORIES

ADE Andy Eaton  
Project Manager

Report#247540R replaces the original Report.



Report#: 247540R  
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].



BUILDING A BETTER WORLD

August 7, 2008

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

Subject: Case Narrative report 247540

Enclosed is MWH Laboratories Report 247540

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on July 15, 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".

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Andrew Eaton, PhD  
Project Manager



MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

247540

UNLASS USE ONLY:

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: [Signature]

SAMPLE TEMP, RECEIPT AT LAB: [Signature]

BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

KE-RRR-MCGEE-MP

UIC permit - Water Supply Profile 1

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

Samples

Wendy Prescott

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

MATRIX  
GRAB  
COMP

SEE BOTTLE ORDER

Susan Crowley

(702) 651-2234

TIME

DATE

LOCATION

IDENTIFIER, STATE ID#

MATRIX

GRAB

COMP

SEE BOTTLE ORDER

SAMPLER COMMENTS

10:00 7/14/2008

Stabilized Water

RSW

X

X

MATRIX TYPES:

Reported by Volume:  
CFW = Chloraminated 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

RECEIVED BY: Wendy Prescott

Michelle Brown

Veolia Water NA for Keen-McGee Chemical LLC

7/14/2008

1200pm

Deborah Mote

MWH

7/15/08

1135

RECEIVED BY:

RECEIVED BY:



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**

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

SO# 43262 12996 RS

Created by MWH  
 Order Date 06/18/08

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

Date Needed by Client  
 SHIP LOCATION

ATTN: Susan Crowley  
 PHONE: 702-651-2234

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

Quote# MWH

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

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

Period M Monthly  
 Week 1

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

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

# of Samples Tests

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

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
3	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	1 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
- 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)

Active Code 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: 143236

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.

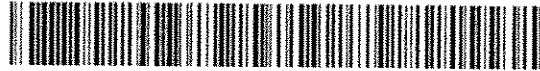
CARRIER <b>Federal Express</b>		Date <b>07/14/08</b>	FROM NO. STATION: STATE <b>Henderson, NV 89015</b>
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization <b>S. CROWLEY</b>	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC <b>CODE NO. WCN IS</b> <b>1321.10400</b> if it moves between	
N/A/R	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM <b>Henderson, NV</b>	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
	<b>Ice Chest with water samples Stabilized Water. One Ice chest @ 20 lbs Not Regulated</b>		<b>1 COOLER</b>
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. <b>TRONOX LLC</b>
NUMBER OF PACKAGES		GROSS WEIGHT	TARE WEIGHT
1		20	0
TOTAL GROSS WEIGHT		TOTAL TARE WEIGHT	NET WEIGHT
20		0	20
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 <b>202-483-7616 FROM OUTSIDE THE CONTINENTAL U.S.</b>
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 73125-8859	PER <b>Chuck Whitney</b>	AGENT	PER

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



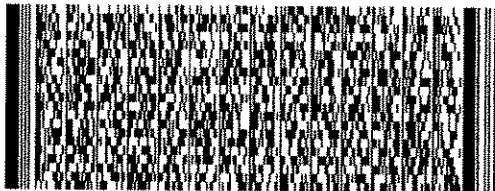
Ship Date: 14JUL08  
ActWgt: 20 LB  
System#: 2274147/INET8061  
Account#: S \*\*\*\*\*

Delivery Address Bar Code



Ref # MSO # 143236  
Invoice #  
PO #  
Dept #

SHIP TO: 6265686400 BILL SENDER  
**ATTN: SAMPLE RECEIVING**  
**MONTGOMERY WATSON LABS**  
**750 ROYAL OAKS DR # 100**  
  
**MONROVIA, CA 910163629**

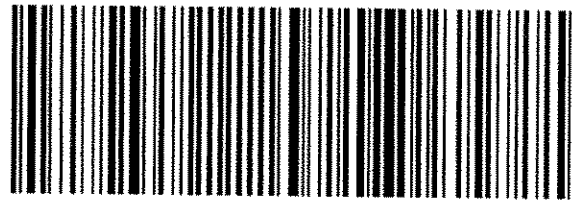


TRK# 7905 4399 2569  
0201

TUE - 15JUL A2  
**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.

**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#: 247540  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on 07/15/08. 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
2807150563	STABILIZED WATER		Water	14-jul-2008 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#: 247540  
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





## 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)

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Report  
Comments  
#247540

### Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: \_\_\_\_\_

### Group Comments

Report revised to remove duplicate QC



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

Laboratory  
 Hits Report  
 #247540

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

Samples Received  
 15-jul-2008 18:33:33

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2807150563	STABILIZED WATER				
07/25/08		Chloroform (Trichloromethane)	1.5		ug/l	0.5
07/25/08		Dibromochloromethane	0.7		ug/l	0.5
07/25/08		Dichlorobromomethane	1.4		ug/l	0.5
07/18/08		Alkalinity in CaCO3 units	124		mg/l	2.0
07/24/08		Anion Sum - Calculated	11.		meq/l	0.0010
07/21/08		Arsenic, Total, ICAP/MS	2.3	10	ug/l	1.0
07/21/08		Barium, Total, ICAP/MS	130	2000	ug/l	2.0
07/21/08		Bicarb.Alkalinity as HCO3,calc	150.		mg/l	2.0
07/16/08		Boron, Total, ICAP	0.15		mg/l	0.10
07/16/08		Calcium, Total, ICAP	64		mg/l	2.0
07/24/08		Carbonate as CO3, Calculated	2.4		mg/l	2.0
07/24/08		Cation Sum - Calculated	10.		meq/l	0.0010
07/15/08		Chloride	91	250	mg/l	10
07/21/08		Copper, Total, ICAP/MS	89	1300	ug/l	2.0
07/24/08		Fluoride	0.32	4	mg/l	0.050
07/16/08		Magnesium, Total, ICAP	32		mg/l	0.20
07/21/08		Manganese, Total, ICAP/MS	4.1	50	ug/l	2.0
07/16/08		PH (H3=past HT, not compliant)	8.4	6.5-8.5	Units	0.010
07/16/08		Potassium, Total, ICAP	5		mg/l	2.0
07/16/08		Sodium, Total, ICAP	94		mg/l	2.0
07/16/08		Specific Conductance	1020		umho/cm	2.0
07/15/08		Sulfate	270	250	mg/l	5.0
07/21/08		Total Dissolved Solid (TDS)	650	500	mg/l	10
07/22/08		Zinc, Total, ICAP	0.041		mg/l	0.040

SUMMARY OF POSITIVE DATA ONLY.



# MWH Laboratories

A Division of MWH Americas, Inc.

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

Laboratory  
 Data Report  
 #247540

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

Samples Received  
 07/15/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>STABILIZED WATER (2807150563)                      Sampled on 07/14/08 10:00</b>								
	07/21/08 20:29	438976	( ML/EPA 200.8 )	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	07/21/08 20:29	439059	( ML/EPA 200.8 )	Aluminum, Total, ICAP/MS	ND	ug/l	20	1
	07/18/08 00:00	438412	( SM 2320B )	Alkalinity in CaCO3 units	124	mg/l	2.0	1
	07/24/08 14:03		( ML/SM1030E )	Anion Sum - Calculated	11.	meq/l	0.0010	1
	07/21/08 20:29	438935	( ML/EPA 200.8 )	Arsenic, Total, ICAP/MS	2.3	ug/l	1.0	1
	07/16/08 21:28	438296	( ML/EPA 200.7 )	Boron, Total, ICAP	0.15	mg/l	0.10	2
	07/21/08 20:29	439023	( ML/EPA 200.8 )	Barium, Total, ICAP/MS	130	ug/l	2.0	1
	07/22/08 15:54	439150	( ML/EPA 200.8 )	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	07/16/08 21:28	438298	( ML/EPA 200.7 )	Calcium, Total, ICAP	64	mg/l	2.0	2
	07/24/08 14:05		( SM 1030E )	Cation Sum - Calculated	10.	meq/l	0.0010	1
	07/21/08 20:29	438994	( ML/EPA 200.8 )	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	07/15/08 16:59	437605	( ML/EPA 300.0 )	Chloride	91	mg/l	10	10
	07/20/08 00:00	438559	( EPA 314 )	Perchlorate	ND	ug/l	4.0	1
	07/24/08 13:39		( SM 2330B )	Carbonate as CO3, Calculated	2.4	mg/l	2.0	1
	07/21/08 20:29	438868	( ML/EPA 200.8 )	Chromium, Total, ICAP/MS	ND	ug/l	1.0	1
	07/21/08 20:29	438902	( ML/EPA 200.8 )	Copper, Total, ICAP/MS	89	ug/l	2.0	1
	07/16/08 15:40	438429	( SM 2510B )	Specific Conductance	1020	umho/cm	2.0	1
	07/24/08 07:58	439869	( SM 4500F-C )	Fluoride	0.32	mg/l	0.050	1
	07/16/08 21:28	438102	( ML/EPA 200.7 )	Iron, Total, ICAP	ND	mg/l	0.040	2
	07/21/08 22:58		( SM 2330B )	Bicarb.Alkalinity as HCO3,calc	150.	mg/l	2.0	1
	07/27/08 14:22	440223	( EPA 245.1 )	Mercury	ND	ug/l	0.20	1
	07/16/08 21:28	438095	( ML/EPA 200.7 )	Potassium, Total, ICAP	5	mg/l	2.0	2
	07/16/08 21:28	438097	( ML/EPA 200.7 )	Magnesium, Total, ICAP	32	mg/l	0.20	2
	<del>07/21/08 20:29</del>	<del>438871</del>	<del>( ML/EPA 200.8 )</del>	<del>Manganese, Total, ICAP/MS</del>	<del>4.1</del>	<del>ug/l</del>	<del>2.0</del>	<del>1</del>
	07/16/08 21:28	438101	( ML/EPA 200.7 )	Sodium, Total, ICAP	94	mg/l	2.0	2
	07/21/08 20:29	438887	( ML/EPA 200.8 )	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	07/15/08 16:59	437611	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	ND	mg/l	1.0	10
	07/24/08 13:33		( SM 2330B )	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	07/21/08 20:29	439052	( ML/EPA 200.8 )	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	07/16/08 00:00	438176	( SM 4500-HB )	PH (H3=past HT, not compliant)	8.4	Units	0.010	1
	07/21/08 20:29	439009	( ML/EPA 200.8 )	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	07/21/08 20:29	438954	( ML/EPA 200.8 )	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1



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**Laboratory  
Data Report  
#247540**

Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	07/15/08 16:59	437600	( ML/EPA 300.0 )	Sulfate	270	mg/l	5.0	10
07/21/08	07/21/08 15:00	439348	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	650	mg/l	10	1
	07/21/08 20:29	439038	( ML/EPA 200.8 )	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
07/23/08	07/24/08 00:00	439872	( SM 4500CN-1 )	Weak Acid Dissociable Cyanide	ND	mg/l	0.0050	1
	07/22/08 17:25	439391	( EPA/ML 200.7 )	Zinc, Total, ICAP	0.041	mg/l	0.040	2
<b>Volatile Organics HSL</b>								
	07/25/08 18:25	440246	( EPA 624 )	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	1,1-Dichloroethane	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	1,2-Dichloroethane	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	1,2-Dichloropropane	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	2-Butanone (MEK)	ND	ug/l	10	1
	07/25/08 18:25	440246	( EPA 624 )	2-Hexanone	ND	ug/l	10	1
	07/25/08 18:25	440246	( EPA 624 )	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	07/25/08 18:25	440246	( EPA 624 )	Acetone	ND	ug/l	10	1
	07/25/08 18:25	440246	( EPA 624 )	Acrolein (Screen)	ND	ug/l	50	1
	07/25/08 18:25	440246	( EPA 624 )	Acrylonitrile (Screen)	ND	ug/l	50	1
	07/25/08 18:25	440246	( EPA 624 )	Benzene	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	cis-1,2-Dichloroethene	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	Chlorobenzene	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	cis-1,3-Dichloropropene	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	Bromoform	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	Chloroform (Trichloromethane)	1.5	ug/l	0.5	1
	<del>07/25/08 18:25</del>	<del>440246</del>	<del>( EPA 624 )</del>	<del>Chloroethane</del>	<del>ND</del>	<del>ug/l</del>	<del>0.5</del>	<del>1</del>
	07/25/08 18:25	440246	( EPA 624 )	Carbon disulfide	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	Carbon Tetrachloride	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	Dibromochloromethane	0.7	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	Dichlorobromomethane	1.4	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	Ethyl benzene	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	Dichlorodifluoromethane	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	Methyl Bromide	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624 )	Methyl Chloride	ND	ug/l	0.5	1



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Tronox LLC - Henderson  
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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	07/25/08 18:25	440246	( EPA 624	) Methylene Chloride	ND	ug/l	3.0	1
	07/25/08 18:25	440246	( EPA 624	) m,p-Xylenes	ND	ug/l	1.0	1
	07/25/08 18:25	440246	( EPA 624	) o-Xylene	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) Tetrachloroethylene (PCE)	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) Styrene	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) trans-1,2-Dichloroethene	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) 1,1,1-Trichloroethane	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) Trichloroethylene (TCE)	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) Trichlorofluoromethane	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) trans-1,3-Dichloropropene	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) Tetrahydrofuran	ND	ug/l	10	1
	07/25/08 18:25	440246	( EPA 624	) Toluene	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) Vinyl Chloride (VC)	ND	ug/l	0.5	1
	07/25/08 18:25	440246	( EPA 624	) Vinyl Acetate	ND	ug/l	10	1
			( EPA 624	) 1,2-Dichloroethane-d4(70-130)	104	% Rec		
			( EPA 624	) 4-Bromofluorobenzene(70-130)	92	% Rec		
			( EPA 624	) Toluene-d8(70-130)	96	% Rec		



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Tronox LLC - Henderson

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QC Ref #437600 - Sulfate		Analysis Date: 07/15/2008
2807150563	STABILIZED WATER	Analyzed by: sxk
QC Ref #437605 - Chloride		Analysis Date: 07/15/2008
2807150563	STABILIZED WATER	Analyzed by: sxk
QC Ref #437611 - Nitrate as Nitrogen by IC		Analysis Date: 07/15/2008
2807150563	STABILIZED WATER	Analyzed by: sxk
QC Ref #438095 - Potassium, Total, ICAP		Analysis Date: 07/16/2008
2807150563	STABILIZED WATER	Analyzed by: csk
QC Ref #438097 - Magnesium, Total, ICAP		Analysis Date: 07/16/2008
2807150563	STABILIZED WATER	Analyzed by: csk
QC Ref #438101 - Sodium, Total, ICAP		Analysis Date: 07/16/2008
2807150563	STABILIZED WATER	Analyzed by: csk
<del>QC Ref #438102 - Iron, Total, ICAP</del>		<del>Analysis Date: 07/16/2008</del>
<del>2807150563</del>	<del>STABILIZED WATER</del>	<del>Analyzed by: csk</del>
QC Ref #438176 - PH (H3=past HT, not compliant)		Analysis Date: 07/16/2008
2807150563	STABILIZED WATER	Analyzed by: nem



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Tronox LLC - Henderson  
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QC Ref #438296 - Boron, Total, ICAP	Analysis Date: 07/16/2008
2807150563 STABILIZED WATER	Analyzed by: csk
QC Ref #438298 - Calcium, Total, ICAP	Analysis Date: 07/16/2008
2807150563 STABILIZED WATER	Analyzed by: csk
QC Ref #438412 - Alkalinity in CaCO3 units	Analysis Date: 07/18/2008
2807150563 STABILIZED WATER	Analyzed by: anh
QC Ref #438429 - Specific Conductance	Analysis Date: 07/16/2008
2807150563 STABILIZED WATER	Analyzed by: nem
QC Ref #438559 - Perchlorate	Analysis Date: 07/20/2008
2807150563 STABILIZED WATER	Analyzed by: raja
QC Ref #438868 - Chromium, Total, ICAP/MS	Analysis Date: 07/21/2008
<del>2807150563 STABILIZED WATER</del>	<del>Analyzed by: dyh</del>
QC Ref #438871 - Manganese, Total, ICAP/MS	Analysis Date: 07/21/2008
2807150563 STABILIZED WATER	Analyzed by: dyh
QC Ref #438887 - Nickel, Total, ICAP/MS	Analysis Date: 07/21/2008
2807150563 STABILIZED WATER	Analyzed by: dyh



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QC Ref #438902 - Copper, Total, ICAP/MS	Analysis Date: 07/21/2008
2807150563 STABILIZED WATER	Analyzed by: dyh
QC Ref #438935 - Arsenic, Total, ICAP/MS	Analysis Date: 07/21/2008
2807150563 STABILIZED WATER	Analyzed by: dyh
QC Ref #438954 - Selenium, Total, ICAP/MS	Analysis Date: 07/21/2008
2807150563 STABILIZED WATER	Analyzed by: dyh
QC Ref #438976 - Silver, Total, ICAP/MS	Analysis Date: 07/21/2008
2807150563 STABILIZED WATER	Analyzed by: dyh
QC Ref #438994 - Cadmium, Total, ICAP/MS	Analysis Date: 07/21/2008
2807150563 STABILIZED WATER	Analyzed by: dyh
QC Ref #439009 - Antimony, Total, ICAP/MS	Analysis Date: 07/21/2008
<del>2807150563 STABILIZED WATER</del>	<del>Analyzed by: dyh</del>
QC Ref #439023 - Barium, Total, ICAP/MS	Analysis Date: 07/21/2008
2807150563 STABILIZED WATER	Analyzed by: dyh
QC Ref #439038 - Thallium, Total, ICAP/MS	Analysis Date: 07/21/2008
2807150563 STABILIZED WATER	Analyzed by: dyh





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QC Ref #439052 - Lead, Total, ICAP/MS		Analysis Date: 07/21/2008
2807150563	STABILIZED WATER	Analyzed by: dyh
QC Ref #439059 - Aluminum, Total, ICAP/MS		Analysis Date: 07/21/2008
2807150563	STABILIZED WATER	Analyzed by: dyh
QC Ref #439150 - Beryllium, Total, ICAP/MS		Analysis Date: 07/22/2008
2807150563	STABILIZED WATER	Analyzed by: nina
QC Ref #439348 - Total Dissolved Solid (TDS)		Analysis Date: 07/21/2008
2807150563	STABILIZED WATER	Analyzed by: axa
QC Ref #439391 - Zinc, Total, ICAP		Analysis Date: 07/22/2008
2807150563	STABILIZED WATER	Analyzed by: csk
QC Ref #439869 - Fluoride		Analysis Date: 07/24/2008
<del>2807150563</del>	<del>STABILIZED WATER</del>	<del>Analyzed by: yvette</del>
QC Ref #439872 - Weak Acid Dissociable Cyanide		Analysis Date: 07/24/2008
2807150563	STABILIZED WATER	Analyzed by: lupe
QC Ref #440223 - Mercury		Analysis Date: 07/27/2008
2807150563	STABILIZED WATER	Analyzed by: azs



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QC Ref #440246 - Volatile Organics HSL

Analysis Date: 07/25/2008

2807150563

STABILIZED WATER

Analyzed by: kcp

## Tronox LLC - Henderson

**QC Ref #437600                      Sulfate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07140012	MGL		( 0-0 )	
LCS1	Sulfate	50	53.7	MGL	107.4	( 90-110 )	
LCS2	Sulfate	50	54.0	MGL	108.0	( 90-110 )	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	0.25	0.199	MGL	79.6	( 50-150 )	
MS	Sulfate	25	27.5	MGL	110.0	( 83-115 )	
MSD	Sulfate	25	28.1	MGL	112.4	( 83-115 )	
RPD_LCS	Sulfate	107.400	108.000	MGL	0.6	( 0-20 )	
RPD_MS	Sulfate	110.000	112.400	MGL	2.2	( 0-20 )	

**QC Ref #437605                      Chloride**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07140012	MGL		( 0-0 )	
LCS1	Chloride	25	26.6	MGL	106.4	( 90-110 )	
LCS2	Chloride	25	26.8	MGL	107.2	( 90-110 )	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.457	MGL	91.4	( 50-150 )	
MS	Chloride	12.5	13.5	MGL	108.0	( 74-126 )	
MSD	Chloride	12.5	13.8	MGL	110.4	( 74-126 )	
RPD_LCS	Chloride	106.400	107.200	MGL	0.7	( 0-20 )	
RPD_MS	Chloride	108.000	110.400	MGL	2.2	( 0-20 )	

**QC Ref #437611                      Nitrate as Nitrogen by IC**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07140012	MGL		( 0-0 )	
LCS1	Nitrate as Nitrogen by IC	2.5	2.55	MGL	102.0	( 90-110 )	
LCS2	Nitrate as Nitrogen by IC	2.5	2.57	MGL	102.8	( 90-110 )	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0499	MGL	99.8	( 50-150 )	

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MS	Nitrate as Nitrogen by IC	1.25	1.31	MGL	104.8	( 80-112 )
MSD	Nitrate as Nitrogen by IC	1.25	1.34	MGL	107.2	( 80-112 )
RPD_LCS	Nitrate as Nitrogen by IC	102.000	102.800	MGL	0.8	( 0-20 )
RPD_MS	Nitrate as Nitrogen by IC	104.800	107.200	MGL	2.3	( 0-20 )

QC Ref #438095 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	20.5	MGL	102.5	( 85-115 )	
LCS2	Potassium, Total, ICAP	20	20.9	MGL	104.5	( 85-115 )	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	1.02	MGL	102.0	( 50-150 )	
MS	Potassium, Total, ICAP	20	20.6	MGL	103.0	( 70-130 )	
MS2	Potassium, Total, ICAP	20	21.6	MGL	108.0	( 70-130 )	
MSD	Potassium, Total, ICAP	20	20.5	MGL	102.5	( 70-130 )	
MSD2	Potassium, Total, ICAP	20	20.6	MGL	103.0	( 70-130 )	
RPD_LCS	Potassium, Total, ICAP	102.500	104.500	MGL	1.9	( 0-20 )	
RPD_MS	Potassium, Total, ICAP	103.000	102.500	MGL	0.5	( 0-20 )	

QC Ref #438097 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	20.7	MGL	103.5	( 85-115 )	
LCS2	Magnesium, Total, ICAP	20	21.1	MGL	105.5	( 85-115 )	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.106	MGL	106.0	( 50-150 )	
MS	Magnesium, Total, ICAP	20	20.7	MGL	103.5	( 70-130 )	
MS2	Magnesium, Total, ICAP	20	22.0	MGL	110.0	( 70-130 )	
MSD	Magnesium, Total, ICAP	20	20.3	MGL	101.5	( 70-130 )	
MSD2	Magnesium, Total, ICAP	20	20.0	MGL	100.0	( 70-130 )	
RPD_LCS	Magnesium, Total, ICAP	103.500	105.500	MGL	1.9	( 0-20 )	
RPD_MS	Magnesium, Total, ICAP	103.500	101.500	MGL	2.0	( 0-20 )	

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QC Ref #438101      Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	50.4	MGL	100.8	( 85-115 )	
LCS2	Sodium, Total, ICAP	50	51.2	MGL	102.4	( 85-115 )	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	1.02	MGL	102.0	( 50-150 )	
MS	Sodium, Total, ICAP	50	51.0	MGL	102.0	( 70-130 )	
MS2	Sodium, Total, ICAP	50	52.9	MGL	105.8	( 70-130 )	
MSD	Sodium, Total, ICAP	50	50.1	MGL	100.2	( 70-130 )	
MSD2	Sodium, Total, ICAP	50	46.2	MGL	92.4	( 70-130 )	
RPD_LCS	Sodium, Total, ICAP	100.800	102.400	MGL	1.6	( 0-20 )	
RPD_MS	Sodium, Total, ICAP	102.000	100.200	MGL	1.8	( 0-20 )	

QC Ref #438102      Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	4.71	MGL	94.2	( 85-115 )	
LCS2	Iron, Total, ICAP	5.0	4.82	MGL	96.4	( 85-115 )	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0208	MGL	104.0	( 50-150 )	
MS	Iron, Total, ICAP	5.0	4.96	MGL	99.2	( 70-130 )	
MS2	Iron, Total, ICAP	5.0	5.21	MGL	104.2	( 70-130 )	
MSD	Iron, Total, ICAP	5.0	4.92	MGL	98.4	( 70-130 )	
MSD2	Iron, Total, ICAP	5.0	4.97	MGL	99.4	( 70-130 )	
RPD_LCS	Iron, Total, ICAP	94.200	96.400	MGL	2.3	( 0-20 )	
RPD_MS	Iron, Total, ICAP	99.200	98.400	MGL	0.8	( 0-20 )	

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QC Ref #438176 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07160024	UNIT		( 0-0 )	
DUP	PH (H3=past HT, not compliant)	7.28	7.26	UNIT		( 0-20 )	0.3

QC Ref #438296 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.466	MGL	93.2	( 85-115 )	
LCS2	Boron, Total, ICAP	0.5	0.473	MGL	94.6	( 85-115 )	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.0618	MGL	123.6	( 50-150 )	
MS	Boron, Total, ICAP	0.5	0.485	MGL	97.0	( 70-130 )	
MS2	Boron, Total, ICAP	0.5	0.491	MGL	98.2	( 70-130 )	
MSD	Boron, Total, ICAP	0.5	0.476	MGL	95.2	( 70-130 )	
MSD2	Boron, Total, ICAP	0.5	0.494	MGL	98.8	( 70-130 )	
RPD_LCS	Boron, Total, ICAP	93.200	94.600	MGL	1.5	( 0-20 )	
RPD_MS	Boron, Total, ICAP	97.000	95.200	MGL	1.9	( 0-20 )	

QC Ref #438298 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	50.0	MGL	100.0	( 85-115 )	
<u>LCS2</u>	<u>Calcium, Total, ICAP</u>	<u>50</u>	<u>51.1</u>	<u>MGL</u>	<u>102.2</u>	<u>( 85-115 )</u>	
MBLK	Calcium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Calcium, Total, ICAP	1.000	1.04	MGL	104.0	( 50-150 )	
MS	Calcium, Total, ICAP	50	50.9	MGL	101.8	( 70-130 )	
MS2	Calcium, Total, ICAP	50	53.0	MGL	106.0	( 70-130 )	
MSD	Calcium, Total, ICAP	50	48.7	MGL	97.4	( 70-130 )	
MSD2	Calcium, Total, ICAP	50	47.3	MGL	94.6	( 70-130 )	
RPD_LCS	Calcium, Total, ICAP	100.000	102.200	MGL	2.2	( 0-20 )	

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RPD_MS	Calcium, Total, ICAP	101.800	97.400	MGL	4.4	( 0-20 )
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**QC Ref #438412                      Alkalinity in CaCO3 units**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07150158	MGL		( 0-0 )	
LCS1	Alkalinity in CaCO3 units	100	101	MGL	101.0	( 90-110 )	
LCS2	Alkalinity in CaCO3 units	100	101	MGL	101.0	( 90-110 )	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	1.16	MGL	58.0	( 50-150 )	
MS	Alkalinity in CaCO3 units	100	95	MGL	95.0	( 80-120 )	
MS2	Alkalinity in CaCO3 units	100	97	MGL	97.0	( 80-120 )	
MSD	Alkalinity in CaCO3 units	100	96	MGL	96.0	( 80-120 )	
MSD2	Alkalinity in CaCO3 units	100	97	MGL	97.0	( 80-120 )	
RPD_LCS	Alkalinity in CaCO3 units	101.000	101.000	MGL	0.0	( 0-10 )	
RPD_MS	Alkalinity in CaCO3 units	95.000	96.000	MGL	1.0	( 0-20 )	

**QC Ref #438429                      Specific Conductance**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	541	545	UMHO		( 0-20 )	0.7
DUP2	Specific Conductance	517	517	UMHO		( 0-20 )	0.0
LCS1	Specific Conductance	1000	996	UMHO	99.6	( 90-110 )	
LCS2	Specific Conductance	1000	991	UMHO	99.1	( 90-110 )	
MBLK	Specific Conductance	ND	<2.0	UMHO			
MRL_CHK	Specific Conductance	2.00	1.68	UMHO	84.0	( 50-150 )	

**QC Ref #438559                      Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07110597	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	26.7	UGL	106.8	( 85-115 )	
LCS2	Perchlorate	25.0	26.3	UGL	105.2	( 85-115 )	

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QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS3	Perchlorate	4	4.05	UGL	101.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.9	UGL	99.6	( 80-120 )	
MSD	Perchlorate	25.0	24.2	UGL	96.8	( 80-120 )	
RPD_LCS	Perchlorate	106.800	105.200	UGL	1.5	( 0-15 )	
RPD_MS	Perchlorate	99.600	96.800	UGL	1.0	( 0-15 )	

## QC Ref #438868 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Chromium, Total, ICAP/MS	100	96.0	UGL	96.0	( 85-115 )	
LCS2	Chromium, Total, ICAP/MS	100	93.1	UGL	93.1	( 85-115 )	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	1.05	UGL	105.0	( 50-150 )	
MS	Chromium, Total, ICAP/MS	100	91.4	UGL	91.4	( 70-130 )	
MS2	Chromium, Total, ICAP/MS	100	92.8	UGL	92.8	( 70-130 )	
MSD	Chromium, Total, ICAP/MS	100	91.2	UGL	91.2	( 70-130 )	
MSD2	Chromium, Total, ICAP/MS	100	91.0	UGL	91.0	( 70-130 )	
RPD_LCS	Chromium, Total, ICAP/MS	96.000	93.100	UGL	3.1	( 0-20 )	
RPD_MS	Chromium, Total, ICAP/MS	91.400	91.200	UGL	0.2	( 0-20 )	

## QC Ref #438871 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Manganese, Total, ICAP/MS	50	50.5	UGL	101.0	( 85-115 )	
LCS2	Manganese, Total, ICAP/MS	50	49.1	UGL	98.2	( 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	47.1	UGL	94.2	( 70-130 )	
MS2	Manganese, Total, ICAP/MS	50	47.8	UGL	95.6	( 70-130 )	

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QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MSD	Manganese, Total, ICAP/MS	50	46.8	UGL	93.6	( 70-130 )	
MSD2	Manganese, Total, ICAP/MS	50	47.2	UGL	94.4	( 70-130 )	
RPD_LCS	Manganese, Total, ICAP/MS	101.000	98.200	UGL	2.8	( 0-20 )	
RPD_MS	Manganese, Total, ICAP/MS	94.200	93.600	UGL	0.6	( 0-20 )	

**QC Ref #438887 Nickel, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Nickel, Total, ICAP/MS	50	47.5	UGL	95.0	( 85-115 )	
LCS2	Nickel, Total, ICAP/MS	50	46.2	UGL	92.4	( 85-115 )	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	5.26	UGL	105.2	( 50-150 )	
MS	Nickel, Total, ICAP/MS	50	42.5	UGL	85.0	( 70-130 )	
MS2	Nickel, Total, ICAP/MS	50	44.6	UGL	89.2	( 70-130 )	
MSD	Nickel, Total, ICAP/MS	50	42.3	UGL	84.6	( 70-130 )	
MSD2	Nickel, Total, ICAP/MS	50	43.9	UGL	87.8	( 70-130 )	
RPD_LCS	Nickel, Total, ICAP/MS	95.000	92.400	UGL	2.8	( 0-20 )	
RPD_MS	Nickel, Total, ICAP/MS	85.000	84.600	UGL	0.5	( 0-20 )	

**QC Ref #438902 Copper, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Copper, Total, ICAP/MS	100	96.7	UGL	96.7	( 85-115 )	
LCS2	Copper, Total, ICAP/MS	100	93.6	UGL	93.6	( 85-115 )	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	2.07	UGL	103.5	( 50-150 )	
MS	Copper, Total, ICAP/MS	100	85.4	UGL	85.4	( 70-130 )	
MS2	Copper, Total, ICAP/MS	100	89.8	UGL	89.8	( 70-130 )	
MSD	Copper, Total, ICAP/MS	100	85.1	UGL	85.1	( 70-130 )	
MSD2	Copper, Total, ICAP/MS	100	89.2	UGL	89.2	( 70-130 )	

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RPD_LCS	Copper, Total, ICAP/MS	96.700	93.600	UGL	3.3	( 0-20 )
RPD_MS	Copper, Total, ICAP/MS	85.400	85.100	UGL	0.4	( 0-20 )

QC Ref #438935      Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Arsenic, Total, ICAP/MS	20	19.5	UGL	97.5	( 85-115 )	
LCS2	Arsenic, Total, ICAP/MS	20	19.0	UGL	95.0	( 85-115 )	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	1.04	UGL	104.0	( 50-150 )	
MS	Arsenic, Total, ICAP/MS	20	20.3	UGL	101.5	( 70-130 )	
MS2	Arsenic, Total, ICAP/MS	20	20.3	UGL	101.5	( 70-130 )	
MSD	Arsenic, Total, ICAP/MS	20	20.3	UGL	101.5	( 70-130 )	
MSD2	Arsenic, Total, ICAP/MS	20	20.0	UGL	100.0	( 70-130 )	
RPD_LCS	Arsenic, Total, ICAP/MS	97.500	95.000	UGL	2.6	( 0-20 )	
RPD_MS	Arsenic, Total, ICAP/MS	101.500	101.500	UGL	0.0	( 0-20 )	

QC Ref #438954      Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Selenium, Total, ICAP/MS	20	19.2	UGL	96.0	( 85-115 )	
LCS2	Selenium, Total, ICAP/MS	20	18.2	UGL	91.0	( 85-115 )	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	5.03	UGL	100.6	( 50-150 )	
MS	Selenium, Total, ICAP/MS	20	20.4	UGL	102.0	( 70-130 )	
MS2	Selenium, Total, ICAP/MS	20	20.6	UGL	103.0	( 70-130 )	
MSD	Selenium, Total, ICAP/MS	20	20.8	UGL	104.0	( 70-130 )	
MSD2	Selenium, Total, ICAP/MS	20	20.6	UGL	103.0	( 70-130 )	
RPD_LCS	Selenium, Total, ICAP/MS	96.000	91.000	UGL	5.3	( 0-20 )	
RPD_MS	Selenium, Total, ICAP/MS	102.000	104.000	UGL	1.9	( 0-20 )	

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**QC Ref #438976 Silver, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Silver, Total, ICAP/MS	50	51.8	UGL	103.6	( 85-115 )	
LCS2	Silver, Total, ICAP/MS	50	49.3	UGL	98.6	( 85-115 )	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.474	UGL	94.8	( 50-150 )	
MS	Silver, Total, ICAP/MS	50	40.4	UGL	80.8	( 70-130 )	
MS2	Silver, Total, ICAP/MS	50	45.2	UGL	90.4	( 70-130 )	
MSD	Silver, Total, ICAP/MS	50	41.8	UGL	83.6	( 70-130 )	
MSD2	Silver, Total, ICAP/MS	50	45.1	UGL	90.2	( 70-130 )	
RPD_LCS	Silver, Total, ICAP/MS	103.600	98.600	UGL	4.9	( 0-20 )	
RPD_MS	Silver, Total, ICAP/MS	80.800	83.600	UGL	3.4	( 0-20 )	

**QC Ref #438994 Cadmium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Cadmium, Total, ICAP/MS	20	20.2	UGL	101.0	( 85-115 )	
LCS2	Cadmium, Total, ICAP/MS	20	19.4	UGL	97.0	( 85-115 )	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.529	UGL	105.8	( 50-150 )	
MS	Cadmium, Total, ICAP/MS	20	18.4	UGL	92.0	( 70-130 )	
MS2	Cadmium, Total, ICAP/MS	20	19.0	UGL	95.0	( 70-130 )	
MSD	Cadmium, Total, ICAP/MS	20	19.0	UGL	95.0	( 70-130 )	
MSD2	Cadmium, Total, ICAP/MS	20	19.1	UGL	95.5	( 70-130 )	
RPD_LCS	Cadmium, Total, ICAP/MS	101.000	97.000	UGL	4.0	( 0-20 )	
RPD_MS	Cadmium, Total, ICAP/MS	92.000	95.000	UGL	3.2	( 0-20 )	

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QC Ref #439009      Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Antimony, Total, ICAP/MS	50	50.7	UGL	101.4	( 85-115 )	
LCS2	Antimony, Total, ICAP/MS	50	48.4	UGL	96.8	( 85-115 )	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.04	UGL	104.0	( 50-150 )	
MS	Antimony, Total, ICAP/MS	50	47.8	UGL	95.6	( 70-130 )	
MS2	Antimony, Total, ICAP/MS	50	47.9	UGL	95.8	( 70-130 )	
MSD	Antimony, Total, ICAP/MS	50	49.4	UGL	98.8	( 70-130 )	
MSD2	Antimony, Total, ICAP/MS	50	48.1	UGL	96.2	( 70-130 )	
RPD_LCS	Antimony, Total, ICAP/MS	101.400	96.800	UGL	4.6	( 0-20 )	
RPD_MS	Antimony, Total, ICAP/MS	95.600	98.800	UGL	3.3	( 0-20 )	

QC Ref #439023      Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Barium, Total, ICAP/MS	100	98.9	UGL	98.9	( 85-115 )	
LCS2	Barium, Total, ICAP/MS	100	95.3	UGL	95.3	( 85-115 )	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	2.16	UGL	108.0	( 50-150 )	
<u>MS</u>	<u>Barium, Total, ICAP/MS</u>	<u>100</u>	<u>93.2</u>	<u>UGL</u>	<u>93.2</u>	<u>( 70-130 )</u>	
MS2	Barium, Total, ICAP/MS	100	92.6	UGL	92.6	( 70-130 )	
MSD	Barium, Total, ICAP/MS	100	97.4	UGL	97.4	( 70-130 )	
MSD2	Barium, Total, ICAP/MS	100	93.8	UGL	93.8	( 70-130 )	
RPD_LCS	Barium, Total, ICAP/MS	98.900	95.300	UGL	3.7	( 0-20 )	
RPD_MS	Barium, Total, ICAP/MS	93.200	97.400	UGL	4.4	( 0-20 )	

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**QC Ref #439038                      Thallium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Thallium, Total, ICAP/MS	20.0	20.6	UGL	103.0	( 85-115 )	
LCS2	Thallium, Total, ICAP/MS	20.0	19.8	UGL	99.0	( 85-115 )	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	1.07	UGL	107.0	( 50-150 )	
MS	Thallium, Total, ICAP/MS	20.0	18.8	UGL	94.0	( 70-130 )	
MS2	Thallium, Total, ICAP/MS	20.0	18.9	UGL	94.5	( 70-130 )	
MSD	Thallium, Total, ICAP/MS	20.0	19.3	UGL	96.5	( 70-130 )	
MSD2	Thallium, Total, ICAP/MS	20.0	19.1	UGL	95.5	( 70-130 )	
RPD_LCS	Thallium, Total, ICAP/MS	103.000	99.000	UGL	4.0	( 0-20 )	
RPD_MS	Thallium, Total, ICAP/MS	94.000	96.500	UGL	2.6	( 0-20 )	

**QC Ref #439052                      Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Lead, Total, ICAP/MS	20	21.0	UGL	105.0	( 85-115 )	
LCS2	Lead, Total, ICAP/MS	20	19.9	UGL	99.5	( 85-115 )	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.541	UGL	108.2	( 50-150 )	
<del>MS</del>	<del>Lead, Total, ICAP/MS</del>	<del>20</del>	<del>18.7</del>	<del>UGL</del>	<del>93.5</del>	<del>( 70-130 )</del>	
MS2	Lead, Total, ICAP/MS	20	18.8	UGL	94.0	( 70-130 )	
MSD	Lead, Total, ICAP/MS	20	19.2	UGL	96.0	( 70-130 )	
MSD2	Lead, Total, ICAP/MS	20	18.9	UGL	94.5	( 70-130 )	
RPD_LCS	Lead, Total, ICAP/MS	105.000	99.500	UGL	5.4	( 0-20 )	
RPD_MS	Lead, Total, ICAP/MS	93.500	96.000	UGL	2.6	( 0-20 )	

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QC Ref #439059                      Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160853	UGL		( 0-0 )	
LCS1	Aluminum, Total, ICAP/MS	200	192	UGL	96.0	( 85-115 )	
LCS2	Aluminum, Total, ICAP/MS	200	188	UGL	94.0	( 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	182	UGL	91.0	( 70-130 )	
MS2	Aluminum, Total, ICAP/MS	200	194	UGL	97.0	( 70-130 )	
MSD	Aluminum, Total, ICAP/MS	200	182	UGL	91.0	( 70-130 )	
MSD2	Aluminum, Total, ICAP/MS	200	192	UGL	96.0	( 70-130 )	
RPD_LCS	Aluminum, Total, ICAP/MS	96.000	94.000	UGL	2.1	( 0-20 )	
RPD_MS	Aluminum, Total, ICAP/MS	91.000	91.000	UGL	0.0	( 0-20 )	

QC Ref #439150                      Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	07160343	UGL		( 0-0 )	
LCS1	Beryllium, Total, ICAP/MS	5.00	5.32	UGL	106.4	( 85-115 )	
LCS2	Beryllium, Total, ICAP/MS	5.00	5.18	UGL	103.6	( 85-115 )	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	1.03	UGL	103.0	( 50-150 )	
MS	Beryllium, Total, ICAP/MS	5.00	5.05	UGL	101.0	( 70-130 )	
MS2	Beryllium, Total, ICAP/MS	5.00	5.29	UGL	105.8	( 70-130 )	
MSD	Beryllium, Total, ICAP/MS	5.00	5.41	UGL	108.2	( 70-130 )	
MSD2	Beryllium, Total, ICAP/MS	5.00	5.39	UGL	107.8	( 70-130 )	
RPD_LCS	Beryllium, Total, ICAP/MS	106.400	103.600	UGL	2.7	( 0-20 )	
RPD_MS	Beryllium, Total, ICAP/MS	101.000	108.200	UGL	6.9	( 0-20 )	

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QC Ref #439348 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07140015	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	326	320	MGL		( 0-10 )	1.9
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	( 80-114 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	90.286	99.143	MGL	9.4	( 0-20 )	

QC Ref #439391 Zinc, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Zinc, Total, ICAP	1.00	1.03	MGL	103.0	( 85-115 )	
LCS2	Zinc, Total, ICAP	1.00	0.986	MGL	98.6	( 85-115 )	
MBLK	Zinc, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Zinc, Total, ICAP	0.020	0.0230	MGL	115.0	( 50-150 )	
MS	Zinc, Total, ICAP	1.00	1.03	MGL	103.0	( 70-130 )	
MSD	Zinc, Total, ICAP	1.00	0.977	MGL	97.7	( 70-130 )	

QC Ref #439869 Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07170848	MGL		( 0-0 )	
CCC3	Fluoride	10.0	10.2	MGL	102.0	( 81-116 )	
CCCH	Fluoride	10.0	10.4	MGL	104.0	( 81-116 )	
CCCL	Fluoride	0.5	0.507	MGL	101.4	( 81-116 )	
CCCM	Fluoride	0.5	0.513	MGL	102.6	( 81-116 )	
CCCS	Fluoride	0.05	0.048	MGL	96.0	( 50-150 )	
LCS1	Fluoride	1.00	1.01	MGL	101.0	( 81-116 )	
LCS2	Fluoride	1.00	1.03	MGL	103.0	( 81-116 )	

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Sample ID	Analyte	ND	Value	Units	Yield (%)	Limits (%)	RPD (%)
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.048	MGL	96.0	( 50-150 )	
MS	Fluoride	1.00	1.04	MGL	104.0	( 73-124 )	
MS2	Fluoride	1.00	1.02	MGL	102.0	( 73-124 )	
MSD	Fluoride	1.00	1.03	MGL	103.0	( 73-124 )	
MSD2	Fluoride	1.00	1.05	MGL	105.0	( 73-124 )	
RPD_LCS	Fluoride	101.000	103.000	MGL	2.0	( 0-20 )	
RPD_MS	Fluoride	104.000	103.000	MGL	1.0	( 0-20 )	

QC Ref #439872 Weak Acid Dissociable Cyanide

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07160218	MGL		( 0-0 )	
LCS1	Weak Acid Dissociable Cyanide	0.1	0.104	MGL	104.0	( 90-110 )	
LCS2	Weak Acid Dissociable Cyanide	0.1	0.104	MGL	104.0	( 90-110 )	
MBLK	Weak Acid Dissociable Cyanide	ND	<0.0050	MGL			
MS	Weak Acid Dissociable Cyanide	0.1	0.109	MGL	109.0	( 85-115 )	
MSD	Weak Acid Dissociable Cyanide	0.1	0.104	MGL	104.0	( 85-115 )	

QC Ref #440223 Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07110323	UGL		( 0-0 )	
LCS1	Mercury	1.50	1.53	UGL	102.0	( 85-115 )	
LCS2	Mercury	1.50	1.54	UGL	102.7	( 85-115 )	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.205	UGL	102.5	( 50-150 )	
MS	Mercury	1.50	1.58	UGL	105.3	( 70-130 )	
MSD	Mercury	1.50	1.58	UGL	105.3	( 70-130 )	
RPD_LCS	Mercury	102.000	102.667	UGL	0.7	( 0-20 )	
RPD_MS	Mercury	105.333	105.333	UGL	0.0	( 0-20 )	

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QC Ref #440246

Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,2-Trichloroethane (1,1,2-T	20	20.8	UGL	104.0	( 79-116 )	
LCS2	1,1,2-Trichloroethane (1,1,2-T	20	20.1	UGL	100.5	( 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	9.31	UGL	93.1	( 76-129 )	
RPD_LCS	1,1,2-Trichloroethane (1,1,2-T	104.000	100.500	UGL	3.4	( 0-20 )	
LCS1	1,1-Dichloroethylene (1,1DCE)	20	21.4	UGL	107.0	( 77-129 )	
LCS2	1,1-Dichloroethylene (1,1DCE)	20	19.6	UGL	98.0	( 77-129 )	
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	UGL			
MS	1,1-Dichloroethylene (1,1DCE)	10	10.9	UGL	109.0	( 70-146 )	
RPD_LCS	1,1-Dichloroethylene (1,1DCE)	107.000	98.000	UGL	8.8	( 0-20 )	
LCS1	1,1-Dichloroethane	20	20.5	UGL	102.5	( 79-118 )	
LCS2	1,1-Dichloroethane	20	19.5	UGL	97.5	( 79-118 )	
MBLK	1,1-Dichloroethane	ND	<0.5	UGL			
MS	1,1-Dichloroethane	10	10.5	UGL	105.0	( 75-134 )	
RPD_LCS	1,1-Dichloroethane	102.500	97.500	UGL	5.0	( 0-20 )	
LCS1	o-Dichlorobenzene (1,2-DCB)	20	20.8	UGL	104.0	( 79-118 )	
LCS2	o-Dichlorobenzene (1,2-DCB)	20	20.3	UGL	101.5	( 79-118 )	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL			
MS	o-Dichlorobenzene (1,2-DCB)	10	10.5	UGL	105.0	( 80-125 )	
RPD_LCS	o-Dichlorobenzene (1,2-DCB)	104.000	101.500	UGL	2.4	( 0-20 )	
LCS1	1,2-Dichloroethane	20	19.1	UGL	95.5	( 81-122 )	
LCS2	1,2-Dichloroethane	20	18.1	UGL	90.5	( 81-122 )	
MBLK	1,2-Dichloroethane	ND	<0.5	UGL			
MS	1,2-Dichloroethane	10	8.93	UGL	89.3	( 75-135 )	
RPD_LCS	1,2-Dichloroethane	95.500	90.500	UGL	5.4	( 0-20 )	
LCS1	1,2-Dichloropropane	20	20.9	UGL	104.5	( 77-118 )	
LCS2	1,2-Dichloropropane	20	19.9	UGL	99.5	( 77-118 )	
MBLK	1,2-Dichloropropane	ND	<0.5	UGL			
MS	1,2-Dichloropropane	10	9.77	UGL	97.7	( 73-132 )	
RPD_LCS	1,2-Dichloropropane	104.500	99.500	UGL	4.9	( 0-20 )	
LCS1	m-Dichlorobenzene (1,3-DCB)	20	20.5	UGL	102.5	( 76-124 )	

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LCS2	m-Dichlorobenzene (1,3-DCB)	20	20.9	UGL	104.5	( 76-124 )
MBLK	m-Dichlorobenzene (1,3-DCB)	ND	<0.5	UGL		
MS	m-Dichlorobenzene (1,3-DCB)	10	11.5	UGL	115.0	( 76-139 )
RPD_LCS	m-Dichlorobenzene (1,3-DCB)	102.500	104.500	UGL	1.9	( 0-20 )
LCS1	p-Dichlorobenzene (1,4-DCB)	20	20.7	UGL	103.5	( 74-130 )
LCS2	p-Dichlorobenzene (1,4-DCB)	20	21.6	UGL	108.0	( 74-130 )
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10	11.5	UGL	115.0	( 71-145 )
RPD_LCS	p-Dichlorobenzene (1,4-DCB)	103.500	108.000	UGL	4.3	( 0-20 )
LCS1	2-Butanone (MEK)	200	220	UGL	110.0	( 65-122 )
LCS2	2-Butanone (MEK)	200	212	UGL	106.0	( 65-122 )
MBLK	2-Butanone (MEK)	ND	<10	UGL		
MS	2-Butanone (MEK)	100	90.7	UGL	90.7	( 59-129 )
RPD_LCS	2-Butanone (MEK)	110.000	106.000	UGL	3.7	( 0-20 )
LCS1	2-Hexanone	200	243	UGL	121.5	( 72-128 )
LCS2	2-Hexanone	200	234	UGL	117.0	( 72-128 )
MBLK	2-Hexanone	ND	<10	UGL		
MS	2-Hexanone	100	111	UGL	111.0	( 71-134 )
RPD_LCS	2-Hexanone	121.500	117.000	UGL	3.8	( 0-20 )
LCS1	4-Methyl-2-Pentanone (MIBK)	200	249	UGL	124.5	( 76-130 )
LCS2	4-Methyl-2-Pentanone (MIBK)	200	240	UGL	120.0	( 76-130 )
MBLK	4-Methyl-2-Pentanone (MIBK)	ND	<10	UGL		
MS	4-Methyl-2-Pentanone (MIBK)	100	121	UGL	121.0	( 75-136 )
RPD_LCS	4-Methyl-2-Pentanone (MIBK)	124.500	120.000	UGL	3.7	( 0-20 )
MS	Spiked sample	Lab # 28	07160300	NONE		( 0-0 )
LCS1	Acetone	200	207	UGL	103.5	( 47-117 )
LCS2	Acetone	200	199	UGL	99.5	( 47-117 )
MBLK	Acetone	ND	<10	UGL		
MS	Acetone	100	81.0	UGL	81.0	( 37-119 )
RPD_LCS	Acetone	103.500	99.500	UGL	3.9	( 0-20 )
LCS1	Benzene	20	21.7	UGL	108.5	( 78-119 )
LCS2	Benzene	20	20.2	UGL	101.0	( 78-119 )
MBLK	Benzene	ND	<0.5	UGL		
MS	Benzene	10	10.2	UGL	102.0	( 76-133 )
RPD_LCS	Benzene	108.500	101.000	UGL	7.2	( 0-20 )
LCS1	cis-1,2-Dichloroethene	20	19.5	UGL	97.5	( 80-114 )

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LCS2	cis-1,2-Dichloroethene	20	18.5	UGL	92.5	( 80-114 )
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL		
MS	cis-1,2-Dichloroethene	10	10.5	UGL	105.0	( 78-133 )
RPD_LCS	cis-1,2-Dichloroethene	97.500	92.500	UGL	5.3	( 0-20 )
LCS1	Chlorobenzene	20	20.5	UGL	102.5	( 80-119 )
LCS2	Chlorobenzene	20	19.4	UGL	97.0	( 80-119 )
MBLK	Chlorobenzene	ND	<0.5	UGL		
MS	Chlorobenzene	10	9.21	UGL	92.1	( 77-132 )
RPD_LCS	Chlorobenzene	102.500	97.000	UGL	5.5	( 0-20 )
LCS1	cis-1,3-Dichloropropene	20	20.5	UGL	102.5	( 68-123 )
LCS2	cis-1,3-Dichloropropene	20	19.4	UGL	97.0	( 68-123 )
MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL		
MS	cis-1,3-Dichloropropene	10	8.80	UGL	88.0	( 65-120 )
RPD_LCS	cis-1,3-Dichloropropene	102.500	97.000	UGL	5.5	( 0-20 )
LCS1	Bromoform	20	20.0	UGL	100.0	( 54-134 )
LCS2	Bromoform	20	21.1	UGL	105.5	( 54-134 )
MBLK	Bromoform	ND	<0.5	UGL		
MS	Bromoform	10	9.98	UGL	99.8	( 51-140 )
RPD_LCS	Bromoform	100.000	105.500	UGL	5.4	( 0-20 )
LCS1	Chloroform (Trichloromethane)	20	19.8	UGL	99.0	( 78-117 )
LCS2	Chloroform (Trichloromethane)	20	18.6	UGL	93.0	( 78-117 )
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL		
MS	Chloroform (Trichloromethane)	10	10.1	UGL	101.0	( 76-133 )
RPD_LCS	Chloroform (Trichloromethane)	99.000	93.000	UGL	6.2	( 0-20 )
LCS1	Chloroethane	20	22.1	UGL	110.5	( 70-133 )
LCS2	Chloroethane	20	20.8	UGL	104.0	( 70-133 )
MBLK	Chloroethane	ND	<0.5	UGL		
MS	Chloroethane	10	11.4	UGL	114.0	( 45-180 )
RPD_LCS	Chloroethane	<u>110.500</u>	<u>104.000</u>	UGL	6.1	( 0-20 )
LCS1	Carbon disulfide	20	20.0	UGL	100.0	( 63-131 )
LCS2	Carbon disulfide	20	18.7	UGL	93.5	( 63-131 )
MBLK	Carbon disulfide	ND	<0.5	UGL		
MS	Carbon disulfide	10	11.6	UGL	116.0	( 65-155 )
RPD_LCS	Carbon disulfide	100.000	93.500	UGL	6.7	( 0-20 )
LCS1	Carbon Tetrachloride	20	19.8	UGL	99.0	( 73-127 )
LCS2	Carbon Tetrachloride	20	18.6	UGL	93.0	( 73-127 )

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MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10	10.4	UGL	104.0	( 71-151 )
RPD_LCS	Carbon Tetrachloride	99.000	93.000	UGL	6.2	( 0-20 )
LCS1	Dibromochloromethane	20	19.2	UGL	96.0	( 70-125 )
LCS2	Dibromochloromethane	20	18.5	UGL	92.5	( 70-125 )
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10	9.13	UGL	91.3	( 68-136 )
RPD_LCS	Dibromochloromethane	96.000	92.500	UGL	3.7	( 0-20 )
LCS1	Dichlorobromomethane	20	18.9	UGL	94.5	( 77-113 )
LCS2	Dichlorobromomethane	20	18.0	UGL	90.0	( 77-113 )
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10	9.58	UGL	95.8	( 77-130 )
RPD_LCS	Dichlorobromomethane	94.500	90.000	UGL	4.9	( 0-20 )
LCS1	Ethyl benzene	20	21.0	UGL	105.0	( 79-122 )
LCS2	Ethyl benzene	20	20.0	UGL	100.0	( 79-122 )
MBLK	Ethyl benzene	ND	<0.5	UGL		
MS	Ethyl benzene	10	9.47	UGL	94.7	( 68-146 )
RPD_LCS	Ethyl benzene	105.000	100.000	UGL	4.9	( 0-20 )
LCS1	Dichlorodifluoromethane	20	14.9	UGL	74.5	( 63-131 )
LCS2	Dichlorodifluoromethane	20	14.9	UGL	74.5	( 63-131 )
MBLK	Dichlorodifluoromethane	ND	<0.5	UGL		
MS	Dichlorodifluoromethane	10	3.47	UGL	34.7	( 30-169 )
RPD_LCS	Dichlorodifluoromethane	74.500	74.500	UGL	0.0	( 0-20 )
LCS1	Methyl Bromide	20	21.8	UGL	109.0	( 67-144 )
LCS2	Methyl Bromide	20	20.6	UGL	103.0	( 67-144 )
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10	10.7	UGL	107.0	( 55-147 )
RPD_LCS	Methyl Bromide	109.000	103.000	UGL	5.7	( 0-20 )
LCS1	Methyl Chloride	20	21.2	UGL	106.0	( 78-134 )
LCS2	Methyl Chloride	20	20.4	UGL	102.0	( 78-134 )
MBLK	Methyl Chloride	ND	<0.5	UGL		
MS	Methyl Chloride	10	7.95	UGL	79.5	( 58-143 )
RPD_LCS	Methyl Chloride	106.000	102.000	UGL	3.8	( 0-20 )
LCS1	Methylene Chloride	20	21.0	UGL	105.0	( 77-121 )
LCS2	Methylene Chloride	20	19.7	UGL	98.5	( 77-121 )
MBLK	Methylene Chloride	ND	<3.0	UGL		

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MS	Methylene Chloride	10	11.4	UGL	114.0	( 75-132 )
RPD_LCS	Methylene Chloride	105.000	98.500	UGL	6.4	( 0-20 )
LCS1	m,p-Xylenes	40	42.7	UGL	106.8	( 82-123 )
LCS2	m,p-Xylenes	40	41.1	UGL	102.8	( 82-123 )
MBLK	m,p-Xylenes	ND	<1.0	UGL		
MS	m,p-Xylenes	20	19.8	UGL	99.0	( 79-142 )
RPD_LCS	m,p-Xylenes	106.750	102.750	UGL	3.8	( 0-20 )
LCS1	o-Xylene	20	20.6	UGL	103.0	( 79-120 )
LCS2	o-Xylene	20	19.2	UGL	96.0	( 79-120 )
MBLK	o-Xylene	ND	<0.5	UGL		
MS	o-Xylene	10	9.50	UGL	95.0	( 91-123 )
RPD_LCS	o-Xylene	103.000	96.000	UGL	7.0	( 0-20 )
LCS1	1,1,2,2-Tetrachloroethane	20	23.0	UGL	115.0	( 77-126 )
LCS2	1,1,2,2-Tetrachloroethane	20	23.7	UGL	118.5	( 77-126 )
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10	12.2	UGL	122.0	( 79-130 )
RPD_LCS	1,1,2,2-Tetrachloroethane	115.000	118.500	UGL	3.0	( 0-20 )
LCS1	Tetrachloroethylene (PCE)	20	20.6	UGL	103.0	( 79-122 )
LCS2	Tetrachloroethylene (PCE)	20	19.5	UGL	97.5	( 79-122 )
MBLK	Tetrachloroethylene (PCE)	ND	<0.5	UGL		
MS	Tetrachloroethylene (PCE)	10	9.53	UGL	95.3	( 72-146 )
RPD_LCS	Tetrachloroethylene (PCE)	103.000	97.500	UGL	5.5	( 0-20 )
LCS1	Styrene	20	21.2	UGL	106.0	( 77-125 )
LCS2	Styrene	20	20.1	UGL	100.5	( 77-125 )
MBLK	Styrene	ND	<0.5	UGL		
MS	Styrene	10	7.03	UGL	70.3	( 66-142 )
RPD_LCS	Styrene	106.000	100.500	UGL	5.3	( 0-20 )
LCS1	1,2-dichloroethane-d4	100	96	%R	96.0	( 70-130 )
LCS2	1,2-dichloroethane-d4	100	94	%R	94.0	( 70-130 )
MBLK	1,2-dichloroethane-d4	100	98	%R	98.0	
MS	1,2-dichloroethane-d4	100	93	%R	93.0	( 70-130 )
RPD_LCS	1,2-dichloroethane-d4	96.000	94.000	%R	2.1	( 0-20 )
LCS1	Toluene-d8	100	107	%R	107.0	( 70-130 )
LCS2	Toluene-d8	100	100	%R	100.0	( 70-130 )
MBLK	Toluene-d8	100	93	%R	93.0	
MS	Toluene-d8	100	98	%R	98.0	( 70-130 )

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RPD_LCS	Toluene-d8	107.000	100.000	%R	6.8	( 0-20 )
LCS1	4-Bromofluorobenzene	100	94	%R	94.0	( 70-130 )
LCS2	4-Bromofluorobenzene	100	98	%R	98.0	( 70-130 )
MBLK	4-Bromofluorobenzene	100	89	%R	89.0	
MS	4-Bromofluorobenzene	100	93	%R	93.0	( 70-130 )
RPD_LCS	4-Bromofluorobenzene	94.000	98.000	%R	4.2	( 0-20 )
LCS1	trans-1,2-Dichloroethene	20	21.0	UGL	105.0	( 82-122 )
LCS2	trans-1,2-Dichloroethene	20	19.4	UGL	97.0	( 82-122 )
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		
MS	trans-1,2-Dichloroethene	10	11.0	UGL	110.0	( 74-138 )
RPD_LCS	trans-1,2-Dichloroethene	105.000	97.000	UGL	7.9	( 0-20 )
LCS1	1,1,1-Trichloroethane	20	18.8	UGL	94.0	( 79-121 )
LCS2	1,1,1-Trichloroethane	20	17.9	UGL	89.5	( 79-121 )
MBLK	1,1,1-Trichloroethane	ND	<0.5	UGL		
MS	1,1,1-Trichloroethane	10	9.97	UGL	99.7	( 75-144 )
RPD_LCS	1,1,1-Trichloroethane	94.000	89.500	UGL	4.9	( 0-20 )
LCS1	Trichloroethylene (TCE)	20	19.6	UGL	98.0	( 78-119 )
LCS2	Trichloroethylene (TCE)	20	18.8	UGL	94.0	( 78-119 )
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10	9.33	UGL	93.3	( 71-139 )
RPD_LCS	Trichloroethylene (TCE)	98.000	94.000	UGL	4.2	( 0-20 )
LCS1	Trichlorofluoromethane	20	22.8	UGL	114.0	( 70-145 )
LCS2	Trichlorofluoromethane	20	21.0	UGL	105.0	( 70-145 )
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		
MS	Trichlorofluoromethane	10	10.2	UGL	102.0	( 63-161 )
RPD_LCS	Trichlorofluoromethane	114.000	105.000	UGL	8.2	( 0-20 )
LCS1	trans-1,3-Dichloropropene	20	19.4	UGL	97.0	( 64-126 )
LCS2	trans-1,3-Dichloropropene	20	18.5	UGL	92.5	( 64-126 )
<u>MBLK</u>	<u>trans-1,3-Dichloropropene</u>	<u>ND</u>	<u>&lt;0.5</u>	<u>UGL</u>		
MS	trans-1,3-Dichloropropene	10	8.34	UGL	83.4	( 61-127 )
RPD_LCS	trans-1,3-Dichloropropene	97.000	92.500	UGL	4.7	( 0-20 )
LCS1	Tetrahydrofuran	200	229	UGL	114.5	( 67-130 )
LCS2	Tetrahydrofuran	200	216	UGL	108.0	( 67-130 )
MBLK	Tetrahydrofuran	ND	<10	UGL		
MS	Tetrahydrofuran	100	99.8	UGL	99.8	( 68-134 )
RPD_LCS	Tetrahydrofuran	114.500	108.000	UGL	5.8	( 0-20 )

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LCS1	Toluene	20	20.7	UGL	103.5	( 80-118 )
LCS2	Toluene	20	19.8	UGL	99.0	( 80-118 )
MBLK	Toluene	ND	<0.5	UGL		
MS	Toluene	10	9.48	UGL	94.8	( 66-143 )
RPD_LCS	Toluene	103.500	99.000	UGL	4.4	( 0-20 )
LCS1	Vinyl Chloride (VC)	20	23.2	UGL	116.0	( 66-140 )
LCS2	Vinyl Chloride (VC)	20	22.1	UGL	110.5	( 66-140 )
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL		
MS	Vinyl Chloride (VC)	10	9.83	UGL	98.3	( 56-159 )
RPD_LCS	Vinyl Chloride (VC)	116.000	110.500	UGL	4.9	( 0-20 )
LCS1	Vinyl Acetate	100	95.2	UGL	95.2	( 72-136 )
LCS2	Vinyl Acetate	100	87.2	UGL	87.2	( 72-136 )
MBLK	Vinyl Acetate	ND	<10	UGL		
MS	Vinyl Acetate	50	43.3	UGL	86.6	( 55-146 )
RPD_LCS	Vinyl Acetate	95.200	87.200	UGL	8.8	( 0-20 )

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