



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
Mar 16 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 265481
Project: CLO4
PO#: Susan Crowle

This report shall not be reproduced except in full, without the written approval of the laboratory.
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 20 page[s].



BUILDING A BETTER WORLD

March 17, 2009

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

Subject: Case Narrative report 265481

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on February 14, 2009 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:

No spike recovery is available for perchlorate on one batch because the actual sample was too high compared to the spike. The LCS recovery for one batch was below SOP limits of 90-110%.

TDS was recovered high in the method blank, but all samples are more than 10X the method blank.

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

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

Andrew Eaton, PhD
Project Manager



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

265491

MW LABS USE ONLY:

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: ST/JS

SAMPLE TEMP, RECEIPT AT LAB: 22/JS

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		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)		SAMPLER COMMENTS							
KERRMCGEE-MP Sampler: Michele Brown Susan Crowley (702) 651-2200		Tronox LLC - Henderson Plant PO Box 35 Henderson, NV 89009		Collection Wells Fields - Monthly - SO #12374		SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3									
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CL01	TDS	CR6010	CL03	NO3				
9:32	2/11/09	MW-K4		RSW	X		X	X	X						
10:42	2/11/09	ARP-1		RSW	X		X	X	X						NO SAMPLE
		ARP-2		RSW	X		X	X	X						NO SAMPLE
		ARP-3		RSW	X		X	X	X						
9:18	2/11/09	ARP-4A		RSW	X		X	X	X						
9:09	2/11/09	ARP-5A		RSW	X		X	X	X						
8:58	2/11/09	ARP-6B		RSW	X		X	X	X						
		ARP-7		RSW	X		X	X	X						
8:25	2/11/09	PC-53		RSW	X		X	X	X						
9:49	2/11/09	PC-103		RSW	X		X	X	X						
8:39	2/11/09	MW-K5		RSW	X		X	X	X						

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

Reported by Weight:
 SO = Soil
 SL = Sludge

RECEIVED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	<i>Michele Brown</i>	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	2/12/2009	1200pm
RECEIVED BY:	<i>ST/JS</i>			2/13	12:55
RECEIVED BY:					
RECEIVED BY:					



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

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: *JL/AS*

SAMPLE TEMP, RECEIPT AT LAB:

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)

KERRMCEE-MP

Collection Wells Fields - Monthly - SO #12374

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

Sampler Michele Brown

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

Susan Crowley (702) 651-2200

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	SAMPLER COMMENTS
			M-83	RSW	X		No Sample
5:30	2/11/09		M-87	RSW	X		
10:22	2/11/09		PC-98R	RSW	X		
8:37	2/10/09		PC-86	RSW	X		
8:25	2/10/09		PC-90	RSW	X		
10:55	2/9/09		PC-56	RSW	X		
11:03	2/9/09		PC-58	RSW	X		
10:42	2/9/09		PC-59	RSW	X		
10:48	2/9/09		PC-60	RSW	X		
10:36	2/9/09		PC-62	RSW	X		
10:30	2/9/09		PC-68	RSW	X		
			PC-122	RSW	X		NO SAMPLE

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

NO3

CL03

CR6010

TDS

CL01

Reported by Volume:

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

RGW = Raw Ground Water
RSW = Raw Surface Water

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

Reported by Weight:
SO = Soil
SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY: *Michele Brown*

Michele Brown

Veolia Water for Tronox LLC - Henderson Plant

2/12/2009

1200pm

RECEIVED BY:

J. Trip

MWB

2/13 12:55

RELINQUISHED BY:

RECEIVED BY:



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

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

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: ST/B

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME Michele Brown

PROJECT JOB # / P.O.#

(check for yes)

Collection Wells Fields - Monthly - SD #12374

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

Sampler Michele Brown
Susan Crowley (702) 651-2200
Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO ₄	TDS	CR6010	CLO ₃	NO ₃	SAMPLER COMMENTS
9:03	2/10/09		PC-91	RSW	X		X					
8:09	2/10/09		PC-97	RSW	X		X					
			PC-17	RSW	X		X					NO SAMPLE
9:34	2/10/09		PC-18	RSW	X		X					
11:00	2/10/09		PC-55	RSW	X		X					
			PC-101R	RSW	X		X					NO SAMPLE
8:25	2/12/09		L-635	RSW	X		X					
9:06	2/12/09		L-637	RSW	X		X					

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(amin)ated Finished Water

FW = Other Finished Water

Reported by Weight:

CWW = Chlorinated Waste Water

WW = Other Waste Water

SW = Storm Water

SO = Soil

SL = Sludge

SIGNATURE

RELINQUISHED BY: Michele Brown
RECEIVED BY: _____
RELINQUISHED BY: _____
RECEIVED BY: _____

PRINT NAME

Michele Brown
M. Brown

COMPANY/TITLE

Veolia Water for Tronox LLC - Henderson Plant
MWH

DATE

2/12/2009
2/12

TIME

1200pm
1200

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: 143568

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.

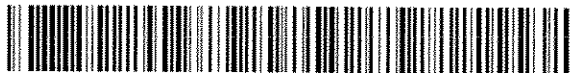
CARRIER Federal Express		Date 2/12/09	FROM NO. STATION: STATE Henderson, NV 89015	
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400			Authorization M. Skromyda	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC		
N/AR		CUSTOMER PO OR REQ'N NO.		
SHIPPED FROM Henderson, NV		CODE NO. WCN IS 1321.10181		
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY	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.
	Ice Chest with water samples Monthly ARP and PC Well Samples		2 Coolers	
	One Ice Chest @ 43 lbs One Ice Chest @ 32 lbs			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
TRUCK SHIPMENTS				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.
PLACARDS OFFERED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PLACARDS ACCEPTED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"
		0		
1	TOTAL GROSS WEIGHT 75	TOTAL TARE WEIGHT 0	75	
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____				
THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.				
TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859		PER Carron Williams	AGENT	PER

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



Ship Date: 12FEB09
ActWgt: 43.0 LB
CAD: 2274147/NET9011
Account#: S *****

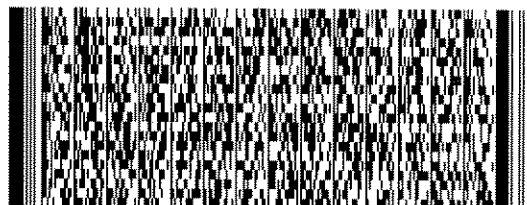
Delivery Address Bar Code



Ref # MSO #143568
Invoice #
PO #
Dept #

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

MONROVIA, CA 91016

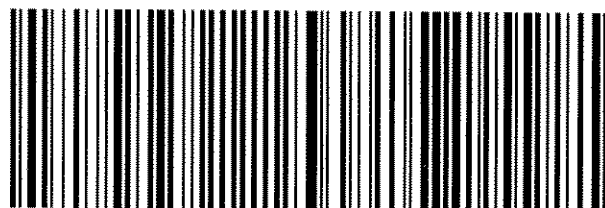


TRK# 7973 3440 4829
0201

FRI - 13FEB 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#: 265481
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **02/14/09**. 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
2902140029	MW-K4	CLO4 CR6010	Water	11-feb-2009 09:32:00
2902140030	ARP-1	CLO4 CR6010	Water	11-feb-2009 10:43:00
2902140031	ARP-4A	CLO4 CR6010	Water	11-feb-2009 09:18:00
2902140032	ARP-5A	CLO4 CR6010	Water	11-feb-2009 09:09:00
2902140033	ARP-6B	CLO4 CR6010	Water	11-feb-2009 08:58:00
2902140034	PC-53	CLO4 CR6010	Water	11-feb-2009 08:25:00
2902140035	PC-103	CLO4 CR6010	Water	11-feb-2009 09:49:00
2902140036	MW-K5	CLO4 CR6010	Water	11-feb-2009 08:39:00
2902140037	M-87	CLO4 CR6010	Water	11-feb-2009 05:30:00
2902140038	PC-98R	CLO4 CR6010	Water	11-feb-2009 10:22:00
2902140039	PC-86	CLO4 CR6010	Water	10-feb-2009 08:37:00
2902140040	PC-90	CLO4 CR6010	Water	10-feb-2009 08:25:00
2902140041	PC-56	CLO4 CR6010	Water	09-feb-2009 10:55:00
2902140042	PC-58	CLO4 CR6010	Water	09-feb-2009 11:03:00
2902140043	PC-59	CLO4 CR6010	Water	09-feb-2009 10:42:00
2902140044	PC-60	CLO4 CR6010	Water	09-feb-2009 10:48:00
2902140045	PC-62	CLO4 CR6010	Water	09-feb-2009 10:36:00

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#: 265481
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled		Matrix	Sample Date
2902140046	PC-68	CLO4	CR6010	Water P	09-feb-2009 10:30:00 TDS
2902140047	PC-91	CLO4	CR6010	Water P	10-feb-2009 09:03:00 TDS
2902140048	PC-97	CLO4	CR6010	Water P	10-feb-2009 08:09:00 TDS
2902140049	PC-18	CLO4	CR6010	Water P	10-feb-2009 09:34:00 TDS
2902140050	PC-55	CLO4	CR6010	Water P	10-feb-2009 11:00:00 TDS
2902140051	L-635	CLO4	CR6010	Water P	12-feb-2009 08:25:00 TDS
2902140052	L-637	CLO4	CR6010	Water P	12-feb-2009 09:06:00 TDS

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

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)

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

(CLO4) LCS/LCSD recovered below the SOP limits of 90-110%. Data acceptable for compliance since all QCs are within method acceptance limits.

(QC Ref#: 2902140035)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140038)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140039)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140040)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method

blank.

(QC Ref#: 2902140041)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140042)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140043)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140044)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140045)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140046)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above



MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
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Report
Comments
#265481

method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140047)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140048)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140049)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140050)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2902140051)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.



750 Royal Oaks Drive, Suite 100
 Monrovia, California 91016-3629
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Laboratory
 Hits Report
 #265481

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

Samples Received
 14-feb-2009 12:57:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902140029	MW-K4				
02/22/09		Chromium, Total, ICAP	0.073		mg/l	0.020
02/18/09		Metals digestion performed.	Y		Yes/No	
03/05/09		Perchlorate	138000		ug/l	8000
02/18/09		Total Dissolved Solid (TDS)	6060	500	mg/l	10
	2902140030	ARP-1				
02/18/09		Metals digestion performed.	Y		Yes/No	
03/05/09		Perchlorate	1600		ug/l	80
02/18/09		Total Dissolved Solid (TDS)	6270	500	mg/l	10
	2902140031	ARP-4A				
02/18/09		Metals digestion performed.	Y		Yes/No	
03/05/09		Perchlorate	28400		ug/l	2000
02/18/09		Total Dissolved Solid (TDS)	4630	500	mg/l	10
	2902140032	ARP-5A				
02/22/09		Chromium, Total, ICAP	0.056		mg/l	0.020
02/18/09		Metals digestion performed.	Y		Yes/No	
03/05/09		Perchlorate	24000		ug/l	2000
02/18/09		Total Dissolved Solid (TDS)	5850	500	mg/l	10
	2902140033	ARP-6B				
02/22/09		Chromium, Total, ICAP	0.12		mg/l	0.020
02/18/09		Metals digestion performed.	Y		Yes/No	
03/05/09		Perchlorate	18600		ug/l	800
02/18/09		Total Dissolved Solid (TDS)	8820	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3829
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1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#265481

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

Samples Received
14-feb-2009 12:57:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902140033	ARP-6B				
	2902140034	PC-53				
02/22/09	Chromium, Total, ICAP		0.021		mg/l	0.020
02/18/09	Metals digestion performed.		Y		Yes/No	
03/05/09	Perchlorate		1280		ug/l	200
02/18/09	Total Dissolved Solid (TDS)		4320	500	mg/l	10
	2902140035	PC-103				
02/18/09	Metals digestion performed.		Y		Yes/No	
03/05/09	Perchlorate		11600		ug/l	800
02/16/09	Total Dissolved Solid (TDS)		4760	500	mg/l	10
	2902140036	MW-K5				
02/18/09	Metals digestion performed.		Y		Yes/No	
03/05/09	Perchlorate		9490		ug/l	800
02/17/09	Total Dissolved Solid (TDS)		5360	500	mg/l	10
	2902140037	M-87				
02/22/09	Chromium, Total, ICAP		3.4		mg/l	0.020
02/18/09	Metals digestion performed.		Y		Yes/No	
03/05/09	Perchlorate		373000		ug/l	20000
02/17/09	Total Dissolved Solid (TDS)		4510	500	mg/l	10
	2902140038	PC-98R				
02/18/09	Metals digestion performed.		Y		Yes/No	

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Laboratory
Hits Report
#265481

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

Samples Received
14-feb-2009 12:57:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902140038	PC-98R				
03/06/09	Perchlorate		13500		ug/l	800
02/16/09	Total Dissolved Solid (TDS)		6590	500	mg/l	10
	2902140039	PC-86				
02/18/09	Metals digestion performed.		Y		Yes/No	
03/06/09	Perchlorate		1860		ug/l	80
02/16/09	Total Dissolved Solid (TDS)		2560	500	mg/l	10
	2902140040	PC-90				
02/18/09	Metals digestion performed.		Y		Yes/No	
03/05/09	Perchlorate		7380		ug/l	800
02/16/09	Total Dissolved Solid (TDS)		3880	500	mg/l	10
	2902140041	PC-56				
02/18/09	Metals digestion performed.		Y		Yes/No	
03/06/09	Perchlorate		1510		ug/l	200
02/16/09	Total Dissolved Solid (TDS)		1990	500	mg/l	10
	2902140042	PC-58				
02/22/09	Chromium, Total, ICAP		0.09		mg/l	0.020
02/18/09	Metals digestion performed.		Y		Yes/No	
03/06/09	Perchlorate		8980		ug/l	400
02/16/09	Total Dissolved Solid (TDS)		6590	500	mg/l	10
	2902140043	PC-59				

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Samples Received
 14-feb-2009 12:57:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902140043	PC-59				
02/22/09		Chromium, Total, ICAP	0.021		mg/l	0.020
02/18/09		Metals digestion performed.	Y		Yes/No	
03/06/09		Perchlorate	7200		ug/l	400
02/16/09		Total Dissolved Solid (TDS)	4480	500	mg/l	10
	2902140044	PC-60				
02/18/09		Metals digestion performed.	Y		Yes/No	
03/06/09		Perchlorate	6230		ug/l	400
02/16/09		Total Dissolved Solid (TDS)	3950	500	mg/l	10
	2902140045	PC-62				
02/22/09		Chromium, Total, ICAP	0.036		mg/l	0.020
02/18/09		Metals digestion performed.	Y		Yes/No	
03/06/09		Perchlorate	3360		ug/l	200
02/16/09		Total Dissolved Solid (TDS)	2880	500	mg/l	10
	2902140046	PC-68				
02/18/09		Metals digestion performed.	Y		Yes/No	
03/09/09		Perchlorate	780		ug/l	40
02/16/09		Total Dissolved Solid (TDS)	2070	500	mg/l	10
	2902140047	PC-91				
02/18/09		Metals digestion performed.	Y		Yes/No	
03/09/09		Perchlorate	27200		ug/l	2000
02/16/09		Total Dissolved Solid (TDS)	7750	500	mg/l	10

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Hits Report
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Samples Received
14-feb-2009 12:57:56

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2902140048	PC-97				
	2902140048	PC-97				
02/18/09	Metals digestion performed.		Y		Yes/No	
03/06/09	Perchlorate		268		ug/l	40
02/16/09	Total Dissolved Solid (TDS)		2250	500	mg/l	10
	2902140049	PC-18				
02/22/09	Chromium, Total, ICAP		0.13		mg/l	0.020
02/18/09	Metals digestion performed.		Y		Yes/No	
03/06/09	Perchlorate		189000		ug/l	20000
02/16/09	Total Dissolved Solid (TDS)		7220	500	mg/l	10
	2902140050	PC-55				
02/18/09	Metals digestion performed.		Y		Yes/No	
03/06/09	Perchlorate		766		ug/l	80
02/16/09	Total Dissolved Solid (TDS)		7980	500	mg/l	10
	2902140051	L-635				
02/18/09	Metals digestion performed.		Y		Yes/No	
02/16/09	Total Dissolved Solid (TDS)		7600	500	mg/l	10
	2902140052	L-637				
02/18/09	Metals digestion performed.		Y		Yes/No	
02/18/09	Total Dissolved Solid (TDS)		5730	500	mg/l	10

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Laboratory
Data Report
#265481

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

Samples Received
02/14/09

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MW-K4 (2902140029)				Sampled on 02/11/09 09:32				
	03/05/09 14:18	475710	(EPA 314)	Perchlorate	138000	ug/l	8000	2000
02/18/09	02/22/09 00:00	473647	(ML/EPA 6010B)	Chromium, Total, ICAP	0.073	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/18/09	02/18/09 11:30	473813	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6060	mg/l	10	1
ARP-1 (2902140030)				Sampled on 02/11/09 10:43				
	03/05/09 14:18	475710	(EPA 314)	Perchlorate	1600	ug/l	80	20
02/18/09	02/22/09 00:00	473647	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/18/09	02/18/09 11:30	473813	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6270	mg/l	10	1
ARP-4A (2902140031)				Sampled on 02/11/09 09:18				
	03/05/09 14:18	475710	(EPA 314)	Perchlorate	28400	ug/l	2000	500
02/18/09	02/22/09 00:00	473647	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/18/09	02/18/09 11:30	473813	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4630	mg/l	10	1
ARP-5A (2902140032)				Sampled on 02/11/09 09:09				
	03/05/09 14:18	475710	(EPA 314)	Perchlorate	24000	ug/l	2000	500
02/18/09	02/22/09 00:00	473647	(ML/EPA 6010B)	Chromium, Total, ICAP	0.056	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/18/09	02/18/09 11:30	473813	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5850	mg/l	10	1
ARP-6B (2902140033)				Sampled on 02/11/09 08:58				
	03/05/09 14:18	475710	(EPA 314)	Perchlorate	18600	ug/l	800	200
02/18/09	02/22/09 00:00	473647	(ML/EPA 6010B)	Chromium, Total, ICAP	0.12	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/18/09	02/18/09 11:30	473813	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8820	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-53 (2902140034) Sampled on 02/11/09 08:25								
	03/05/09 14:18	475710	(EPA 314)	Perchlorate	1280	ug/l	200	50
02/18/09	02/22/09 00:00	473647	(ML/EPA 6010B)	Chromium, Total, ICAP	0.021	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/18/09	02/18/09 11:30	473813	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4320	mg/l	10	1
PC-103 (2902140035) Sampled on 02/11/09 09:49								
	03/05/09 14:18	475710	(EPA 314)	Perchlorate	11600	ug/l	800	200
02/18/09	02/22/09 00:00	473647	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4760(B7)	mg/l	10	1
MW-K5 (2902140036) Sampled on 02/11/09 08:39								
	03/05/09 14:18	475710	(EPA 314)	Perchlorate	9490	ug/l	800	200
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/17/09 11:30	473582	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5360	mg/l	10	1
M-87 (2902140037) Sampled on 02/11/09 05:30								
	03/05/09 14:18	475710	(EPA 314)	Perchlorate	373000	ug/l	20000	5000
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	3.4	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/17/09 11:30	473582	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4510	mg/l	10	1
PC-98R (2902140038) Sampled on 02/11/09 10:22								
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	13500	ug/l	800	200
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6590(B7)	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-86 (2902140039) Sampled on 02/10/09 08:37								
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	1860	ug/l	80	20
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2560 (B7)	mg/l	10	1
PC-90 (2902140040) Sampled on 02/10/09 08:25								
	03/06/09 14:18	475710	(EPA 314)	Perchlorate	7380	ug/l	800	200
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3880 (B7)	mg/l	10	1
PC-56 (2902140041) Sampled on 02/09/09 10:55								
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	1510	ug/l	200	50
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1990 (B7)	mg/l	10	1
PC-58 (2902140042) Sampled on 02/09/09 11:03								
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	8980	ug/l	400	100
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	0.09	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6590 (B7)	mg/l	10	1
PC-59 (2902140043) Sampled on 02/09/09 10:42								
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	7200	ug/l	400	100
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	0.021	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4480 (B7)	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-60 (2902140044)				Sampled on 02/09/09 10:48				
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	6230	ug/l	400	100
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3950 (B7)	mg/l	10	1
PC-62 (2902140045)				Sampled on 02/09/09 10:36				
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	3360	ug/l	200	50
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	0.036	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2880 (B7)	mg/l	10	1
PC-68 (2902140046)				Sampled on 02/09/09 10:30				
	03/09/09 17:57	476204	(EPA 314)	Perchlorate	780	ug/l	40	10
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2070 (B7)	mg/l	10	1
PC-91 (2902140047)				Sampled on 02/10/09 09:03				
	03/09/09 17:57	476204	(EPA 314)	Perchlorate	27200	ug/l	2000	500
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7750 (B7)	mg/l	10	1
PC-97 (2902140048)				Sampled on 02/10/09 08:09				
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	268	ug/l	40	10
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2250 (B7)	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-18 (2902140049)			Sampled on 02/10/09 09:34					
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	189000	ug/l	20000	5000
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	0.13	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7220 (B7)	mg/l	10	1
PC-55 (2902140050)			Sampled on 02/10/09 11:00					
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	766	ug/l	80	20
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7980 (B7)	mg/l	10	1
L-635 (2902140051)			Sampled on 02/12/09 08:25					
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	ND	ug/l	20	10
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/16/09	02/16/09 18:30	473585	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7600 (B7)	mg/l	10	1
L-637 (2902140052)			Sampled on 02/12/09 09:06					
	03/06/09 17:54	475711	(EPA 314)	Perchlorate	ND	ug/l	20	10
02/18/09	02/22/09 00:00	473648	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	02/18/09 17:53		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
02/18/09	02/18/09 11:30	473813	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5730	mg/l	10	1



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QC Summary
#265481

Tronox LLC - Henderson

QC Ref #0

- Metals Turbidity

Analysis Date: 02/16/2009

2902140029	MW-K4	Analyzed by: jrf
2902140029	MW-K4	Analyzed by: jrf
2902140030	ARP-1	Analyzed by: jrf
2902140030	ARP-1	Analyzed by: jrf
2902140031	ARP-4A	Analyzed by: jrf
2902140031	ARP-4A	Analyzed by: jrf
2902140032	ARP-5A	Analyzed by: jrf
2902140032	ARP-5A	Analyzed by: jrf
2902140033	ARP-6B	Analyzed by: jrf
2902140033	ARP-6B	Analyzed by: jrf
2902140034	PC-53	Analyzed by: jrf
2902140034	PC-53	Analyzed by: jrf
2902140035	PC-103	Analyzed by: jrf
2902140035	PC-103	Analyzed by: jrf
2902140036	MW-K5	Analyzed by: jrf
2902140036	MW-K5	Analyzed by: jrf
2902140037	M-87	Analyzed by: jrf
2902140037	M-87	Analyzed by: jrf
2902140038	PC-98R	Analyzed by: jrf
2902140038	PC-98R	Analyzed by: jrf
2902140039	PC-86	Analyzed by: jrf
2902140039	PC-86	Analyzed by: jrf
2902140040	PC-90	Analyzed by: jrf
2902140040	PC-90	Analyzed by: jrf
2902140041	PC-56	Analyzed by: jrf
2902140041	PC-56	Analyzed by: jrf
2902140042	PC-58	Analyzed by: jrf
2902140042	PC-58	Analyzed by: jrf
2902140043	PC-59	Analyzed by: jrf
2902140043	PC-59	Analyzed by: jrf
2902140044	PC-60	Analyzed by: jrf
2902140044	PC-60	Analyzed by: jrf
2902140045	PC-62	Analyzed by: jrf
2902140045	PC-62	Analyzed by: jrf
2902140046	PC-68	Analyzed by: jrf
2902140046	PC-68	Analyzed by: jrf
2902140047	PC-91	Analyzed by: jrf
2902140047	PC-91	Analyzed by: jrf
2902140048	PC-97	Analyzed by: jrf
2902140048	PC-97	Analyzed by: jrf
2902140049	PC-18	Analyzed by: jrf
2902140049	PC-18	Analyzed by: jrf
2902140050	PC-55	Analyzed by: jrf



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2902140050	PC-55	Analyzed by: jrf
2902140051	L-635	Analyzed by: jrf
2902140051	L-635	Analyzed by: jrf
2902140052	L-637	Analyzed by: jrf
2902140052	L-637	Analyzed by: jrf

QC Ref #473582 - Total Dissolved Solid (TDS) Analysis Date: 02/17/2009

2902140036	MW-K5	Analyzed by: wjp
2902140037	M-87	Analyzed by: wjp

QC Ref #473585 - Total Dissolved Solid (TDS) Analysis Date: 02/16/2009

2902140035	PC-103	Analyzed by: wjp
2902140038	PC-98R	Analyzed by: wjp
2902140039	PC-86	Analyzed by: wjp
2902140040	PC-90	Analyzed by: wjp
2902140041	PC-56	Analyzed by: wjp
2902140042	PC-58	Analyzed by: wjp
2902140043	PC-59	Analyzed by: wjp
2902140044	PC-60	Analyzed by: wjp
2902140045	PC-62	Analyzed by: wjp
2902140046	PC-68	Analyzed by: wjp
2902140047	PC-91	Analyzed by: wjp
2902140048	PC-97	Analyzed by: wjp
2902140049	PC-18	Analyzed by: wjp
2902140050	PC-55	Analyzed by: wjp
2902140051	L-635	Analyzed by: wjp

QC Ref #473647 - Chromium, Total, ICAP Analysis Date: 02/22/2009

2902140029	MW-K4	Analyzed by: csk
2902140030	ARP-1	Analyzed by: csk
2902140031	ARP-4A	Analyzed by: csk
2902140032	ARP-5A	Analyzed by: csk
2902140033	ARP-6B	Analyzed by: csk
2902140034	PC-53	Analyzed by: csk
2902140035	PC-103	Analyzed by: csk



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QC Ref #473648 - Chromium, Total, ICAP

Analysis Date: 02/22/2009

2902140036	MW-K5	Analyzed by: csk
2902140037	M-87	Analyzed by: csk
2902140038	PC-98R	Analyzed by: csk
2902140039	PC-86	Analyzed by: csk
2902140040	PC-90	Analyzed by: csk
2902140041	PC-56	Analyzed by: csk
2902140042	PC-58	Analyzed by: csk
2902140043	PC-59	Analyzed by: csk
2902140044	PC-60	Analyzed by: csk
2902140045	PC-62	Analyzed by: csk
2902140046	PC-68	Analyzed by: csk
2902140047	PC-91	Analyzed by: csk
2902140048	PC-97	Analyzed by: csk
2902140049	PC-18	Analyzed by: csk
2902140050	PC-55	Analyzed by: csk
2902140051	L-635	Analyzed by: csk
2902140052	L-637	Analyzed by: csk

QC Ref #473813 - Total Dissolved Solid (TDS)

Analysis Date: 02/18/2009

2902140029	MW-K4	Analyzed by: wjp
2902140030	ARP-1	Analyzed by: wjp
2902140031	ARP-4A	Analyzed by: wjp
2902140032	ARP-5A	Analyzed by: wjp
2902140033	ARP-6B	Analyzed by: wjp
2902140034	PC-53	Analyzed by: wjp
2902140052	L-637	Analyzed by: wjp

QC Ref #475710 - Perchlorate

Analysis Date: 03/05/2009

2902140029	MW-K4	Analyzed by: tlh
2902140030	ARP-1	Analyzed by: tlh
2902140031	ARP-4A	Analyzed by: tlh
2902140032	ARP-5A	Analyzed by: tlh
2902140033	ARP-6B	Analyzed by: tlh
2902140034	PC-53	Analyzed by: tlh
2902140035	PC-103	Analyzed by: tlh
2902140036	MW-K5	Analyzed by: tlh



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2902140037	M-87	Analyzed by: tlh
2902140040	PC-90	Analyzed by: tlh

QC Ref #475711 - Perchlorate

Analysis Date: 03/06/2009

2902140038	PC-98R	Analyzed by: ser
2902140039	PC-86	Analyzed by: ser
2902140041	PC-56	Analyzed by: ser
2902140042	PC-58	Analyzed by: ser
2902140043	PC-59	Analyzed by: ser
2902140044	PC-60	Analyzed by: ser
2902140045	PC-62	Analyzed by: ser
2902140048	PC-97	Analyzed by: ser
2902140049	PC-18	Analyzed by: ser
2902140050	PC-55	Analyzed by: ser
2902140051	L-635	Analyzed by: ser
2902140052	L-637	Analyzed by: ser

QC Ref #476204 - Perchlorate

Analysis Date: 03/09/2009

2902140046	PC-68	Analyzed by: ser
2902140047	PC-91	Analyzed by: ser



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QC Ref #473582 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	02120270	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	908	850	MGL		(0-10)	6.6
LCS1	Total Dissolved Solid (TDS)	175	198	MGL	113.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	726	MGL	103.7	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	7	MGL	70.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	113.143	103.714	MGL	8.7	(0-20)	

QC Ref #473585 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	02140035	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	4760	5140	MGL		(0-10)	7.7
LCS1	Total Dissolved Solid (TDS)	175	166	MGL	94.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	710	MGL	101.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<u>14</u>	MGL	-		
MRL_CHK	Total Dissolved Solid (TDS)	10.0	13	MGL	130.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	94.857	101.429	MGL	6.7	(0-20)	

QC Ref #473647 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	02140029	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0112	MGL	112.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.997	MGL	99.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	

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



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QC Ref #473648 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	02140038	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0105	MGL	105.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.980	MGL	98.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.996	MGL	99.6	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.989	MGL	98.9	(70-130)	

QC Ref #473813 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 29	02140032	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	5850	6210	MGL		(0-10)	6.0
LCS1	Total Dissolved Solid (TDS)	175	186	MGL	106.3	(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	14	MGL	140.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	106.286	99.143	MGL	7.0	(0-20)	

QC Ref #475710 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	02070093	UGL		(0-0)	
LCS1	Perchlorate	25.0	21.7	UGL	86.8	(85-115)	
LCS2	Perchlorate	25.0	23.3	UGL	93.2	(85-115)	
LCS3	Perchlorate	4	3.04	UGL	76.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

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MS	Perchlorate	25.0	24.6	UGL	98.4	(80-120)
MSD	Perchlorate	25.0	24.1	UGL	96.4	(80-120)
RPD_LCS	Perchlorate	86.800	93.200	UGL	7.1	(0-15)
RPD_MS	Perchlorate	98.400	96.400	UGL	1.0	(0-15)

QC Ref #475711 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	02180410	UGL		(0-0)	
LCS1	Perchlorate	25.0	22.8	UGL	91.2	(85-115)	
LCS2	Perchlorate	25.0	23.2	UGL	92.8	(85-115)	
LCS3	Perchlorate	4	3.38	UGL	84.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	20.1	UGL	80.4	(80-120)	
MSD	Perchlorate	25.0	20.0	UGL	80.0	(80-120)	
RPD_LCS	Perchlorate	91.200	92.800	UGL	1.7	(0-15)	
RPD_MS	Perchlorate	80.400	80.000	UGL	1.0	(0-15)	

QC Ref #476204 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 29	02180411	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.1	UGL	100.4	(85-115)	
LCS2	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS3	Perchlorate	4	3.51	UGL	87.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.2	UGL	96.8	(80-120)	
MSD	Perchlorate	25.0	23.0	UGL	92.0	(80-120)	
RPD_LCS	Perchlorate	100.400	100.800	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	96.800	92.000	UGL	1.0	(0-15)	

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