



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
Nov 28 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager



Report#: 258623
Project: CL04
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments, QC Report, QC Summary, Data Report, Hits Report, totaling 21 page[s].



BUILDING A BETTER WORLD

December 1, 2008

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

Subject: Case Narrative report 258623

Enclosed is MWH Laboratories Report 258623

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 07, 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:

Several samples were run twice for TDS, once past hold time, due to improper weight on the initial sample. The second analysis was reported. These data are flagged with an "HA" flag in the report.

Several samples for hexavalent chromium were received and analyzed past the RCRA 24 hour holding time.

Sincerely,

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

Andrew Eaton, PhD
Project Manager



2 58623

MW LABS USE ONLY:

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

SAMPLES CHECKED/LOGGED IN BY: JS
SAMPLE TEMP, RECEIPT AT LAB: 22
BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: **KERRMCGEE-MP**
 PROJECT JOB # / P.O.#: **Quarterny Groundwater Sampling Schedule B**
 Sampler: **Michele Brown**
 Tronox LLC - Henderson Plant
 PO Box 55
 Henderson, NV 89009
 Susan Crowley (702) 651-2234

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

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

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	CR 6010	PH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
543	11-6-08		M-67	RGW	X		X	X	X	X					2 Bottles
632	11-6-08		M-133	RGW	X		X	X	X	X					2 Bottles
638	11-6-08		M-74	RGW	X		X	X	X	X					2 Bottles
703	11-6-08		M-73	RGW	X		X	X	X	X					2 Bottles
737	11-6-08		M-89	RGW	X		X	X	X	X					2 Bottles
777	11-6-08		M-87	RGW	X		X	X	X	X					2 Bottles
811	11-6-08		M-70	RGW	X		X	X	X	X					2 Bottles
822	11-6-08		M-71	RGW	X		X	X	X	X					2 Bottles
858	11-6-08		M-72	RGW	X		X	X	X	X					2 Bottles
921	11-6-08		M-33	RGW	X		X	X	X	X					2 Bottles
1037	11-6-08		M-36	RGW	X		X	X	X	X	X				3 Bottles
1020	11-6-08		M-12A	RGW	X		X	X	X	X	X				3 Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

Reported by Weight:
SO = Soil
SL = Sludge

RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY: Michele Brown
 RECEIVED BY: Justin Furr
 RELINQUISHED BY: Justin Furr
 RECEIVED BY: Justin Furr
 Veolia Water NA for Tronox LLC - Henderson Plant
 11-6-08 12:00PM
 11-7-08 12:50



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M/LABS USE ONLY:
LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: BS

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: **KERRMCGEE-MP** PROJECT JOB # / P.O.#: **Quantity Groundwater Sampling** (check for year)

Sampler: **Michelle Brown** Schedule B: **Schedule B**

LOCATION: **Tronox LLC - Henderson Plant** IDENTIFIER, STATE ID#: **PO Box 55 Henderson, NV 89009**

CONTACT: **Susan Crowley (702) 651-2234**

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	PH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
1014	11-6-08		M-100	RGW	X		X	X	X	X					3 Bottles
8:51	11-6-08		M-22A	RGW	X		X	X	X	X					2 Bottles
935	11-6-08		M-89	RGW	X		X	X	X	X					2 Bottles
945	11-6-08		M-17A	RGW	X		X	X	X	X					2 Bottles
	11-6-08		MD-2	RGW	X		X	X	X	X					3 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES: **Reported by Volume:** CFW = Chlor(am)inated Finished Water, FW = Other Finished Water, RGW = Raw Ground Water, RSW = Raw Surface Water

Reported by Weight: SO = Soil, SL = Sludge, CWW = Chlorinated Waste Water, WW = Other Waste Water, SW = Storm Water

RELINQUISHED BY: Michelle Brown SIGNATURE

RECEIVED BY: _____ PRINT NAME

COMPANY/TITLE: **Veolia Water NA for Tronox LLC - Henderson Plant**

DATE: **11-6-08** TIME: **12:00PM**

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: 143429

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 11/06/08	FROM NO. STATION: STATE Henderson, NV 89015	
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization M. Skromyda		
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC CODE NO. WCN IS 1321.10181		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM Henderson, NV	If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.	
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.		TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 58 lbs Not Regulated		1 Cooler	Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement: The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. TRONOX LLC
TRUCK SHIPMENTS PLACARDS OFFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO PLACARDS ACCEPTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT 800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.	
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"
1	TOTAL GROSS WEIGHT 58	TOTAL TARE WEIGHT 0	58	
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: 06NOV08
ActWgt: 58 LB
CAD: 2274147/INET8091
Account#: S *****

Delivery Address Bar Code



Ref # MSO #143429
Invoice #
PO #
Dept #

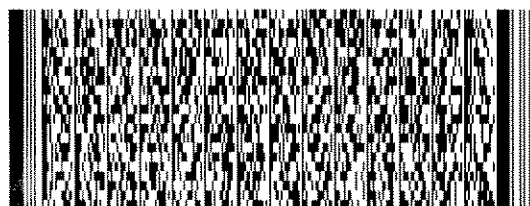
SHIP TO: 6265686400 **BILL SENDER**

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

MONROVIA, CA 910163629

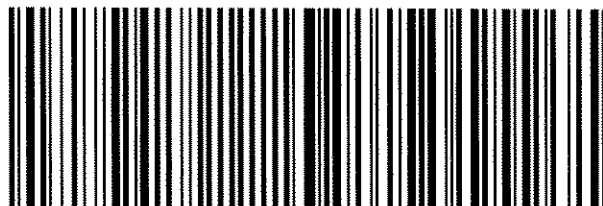
TRK# 7921 4020 5243
0201

**FRI - 07NOV 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.
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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.

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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 ServiceGuide. 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#: 258623
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **11/07/08**. 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
2811080088	M-67	CLO4 CR6010	Water P PH9040	06-nov-2008 05:43:00 T TDS
2811080089	M-133	CLO4 CR6010	Water P PH9040	06-nov-2008 06:32:00 T TDS
2811080090	M-74	CLO4 CR6010	Water P PH9040	06-nov-2008 06:38:00 T TDS
2811080091	M-73	CLO4 CR6010	Water P PH9040	06-nov-2008 07:03:00 T TDS
2811080092	M-88	CLO4 CR6010	Water P PH9040	06-nov-2008 07:27:00 T TDS
2811080093	M-87	CLO4 CR6010	Water P PH9040	06-nov-2008 07:17:00 T TDS
2811080094	M-70	CLO4 CR6010	Water P PH9040	06-nov-2008 08:11:00 T TDS
2811080095	M-71	CLO4 CR6010	Water P PH9040	06-nov-2008 08:22:00 T TDS
2811080096	M-72	CLO4 CR6010	Water P PH9040	06-nov-2008 08:38:00 T TDS
2811080097	M-38	CLO4 CR6010	Water P PH9040	06-nov-2008 09:21:00 T TDS
2811080098	M-36	CLO4 CR6010	Water CRVI7196 P PH9040	06-nov-2008 10:37:00 T
2811080099	M-12A	CLO4 CR6010	Water CRVI7196 P PH9040	06-nov-2008 10:00:00 T
2811080100	M-100	CLO4 CR6010	Water CRVI7196 P PH9040	06-nov-2008 10:14:00 T
2811080101	M-22A	CLO4 CR6010	Water P PH9040	06-nov-2008 08:51:00 T TDS
2811080102	M-89	CLO4 CR6010	Water P PH9040	06-nov-2008 09:35:00 T TDS

Tronox LLC - Henderson
 PO Box 55
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 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2811080103	M-17A	CLO4 CR6010	Water P PH9040	06-nov-2008 09:45:00 TDS
2811080104	MD-2	CLO4 CR6010	Water CRVI7196 P PH9040	06-nov-2008 00:00:00 TDS


Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)



Client Specific Comments

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

Signature: 

(QC Ref#: 2811080088)

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

Second weight was not performed properly for this sample. Result was within 10% of historical value and TDS/EC ration. Result reported.

(QC Ref#: 2811080090)

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

The sample was first analyzed on 11/12 within HT. But due to the analyst error on EC reading, too much sample volume was used. The final sample weight was 304mg. The upper limit is 200mg/L. The result of 6080mg/L can not be used. Rerun on 11/18 with result of 7650mg/L was reported past holding time. HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2811080091)

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

Sample was originally analyzed on 11/12 with holding time with result of 6610mg/L. But due to analyst error on EC reading, the final sample weight was 330mg. The upper limit is 200mg. Rerun with result of 5410mg/L on 11/18 was reported.

HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2811080092)

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

Sample was originally analyzed on 11/12 with result of 6400 mg/L. But due to analyst error of EC reading, the final weight was 320mg. The upper limit is 200mg/L. Rerun with

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Monrovia, California 91016-3629
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Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

result of 6400mg/L on 11/18 was reported.
HA - Initial analysis within holding time. Reanalysis was
past holding time.

(QC Ref#: 2811080093)

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

Sample was originally analyzed on 11/12 with result of 4040
mg/L. But due to analyst error on EC reading, the final
weight was 202mg. The upper limit is 200mg. The sample was
rerun for confirmation. The rerun result was 3560mg/L on
11/18. The original result within the holding time reported.

(QC Ref#: 2811080096)

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

Second weight was not performed properly for this sample.
Result was within 10% of historical value and TDS/EC ratio.
Result reported.

(QC Ref#: 2811080098)

Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)

H3 - Sample was received and analyzed past holding time.
Data not acceptable for regulatory compliance.

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

2nd weight was not performed properly for this sample.
Result matched the historical value and TDS/EC ratio.
Data reported.

(QC Ref#: 2811080099)

Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)

H3 - Sample was received and analyzed past holding time.
Data not acceptable for regulatory compliance.

(QC Ref#: 2811080100)

Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)

H3 - Sample was received and analyzed past holding time.
Data not acceptable for regulatory compliance.

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

2nd weight was not performed properly for this sample.
Result matched historical value and TDS/EC ratio.
Data reported.



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Report
Comments
#258623

(QC Ref#: 2811080101)

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

2nd weight was not performed properly for this sample.
Result matched the historical value and TDS/EC ratio.
Data reported.

(QC Ref#: 2811080102)

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

2nd weight was not performed properly for this sample.
Result matched the historical value and TDS/EC ratio.
Data reported.

(QC Ref#: 2811080104)

Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)

H3 - Sample was received and analyzed past holding time.
Data not acceptable for regulatory compliance.

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

2nd weight was on perform properly for this sample.
Results match the TDS/EC ratio. And duplicates were analyzed
for this sample with RPD of 0.5%. Data reported.



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Laboratory
Hits Report
#258623

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

Samples Received
07-nov-2008 12:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811080088	M-67				
11/19/08		Chromium, Total, ICAP	8.0		mg/l	0.020
11/18/08		Metals digestion performed.	Y		Yes/No	
11/07/08		PH (H3=past HT, not compliant)	7.4		Units	0.0010
11/20/08		Perchlorate	512000		ug/l	40000
11/12/08		Total Dissolved Solid (TDS)	8510	500	mg/l	10
	2811080089	M-133				
11/19/08		Chromium, Total, ICAP	0.77		mg/l	0.020
11/18/08		Metals digestion performed.	Y		Yes/No	
11/07/08		PH (H3=past HT, not compliant)	7.5		Units	0.0010
11/14/08		Perchlorate	11400		ug/l	800
11/12/08		Total Dissolved Solid (TDS)	5900	500	mg/l	10
	2811080090	M-74				
11/19/08		Chromium, Total, ICAP	0.99		mg/l	0.020
11/18/08		Metals digestion performed.	Y		Yes/No	
11/07/08		PH (H3=past HT, not compliant)	7.6		Units	0.0010
11/14/08		Perchlorate	60400		ug/l	4000
11/18/08		Total Dissolved Solid (TDS)	5640	500	mg/l	10
	2811080091	M-73				
11/19/08		Chromium, Total, ICAP	5.1		mg/l	0.020
11/18/08		Metals digestion performed.	Y		Yes/No	
11/07/08		PH (H3=past HT, not compliant)	7.6		Units	0.0010
11/14/08		Perchlorate	345000		ug/l	20000
11/18/08		Total Dissolved Solid (TDS)	5410	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



750 Royal Oaks Drive, Suite 100
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Laboratory
 Hits Report
 #258623

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

Samples Received
 07-nov-2008 12:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811080092	M-88				
	2811080092	M-88				
11/19/08	Chromium, Total, ICAP		0.91		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/14/08	Perchlorate		41100		ug/l	4000
11/18/08	Total Dissolved Solid (TDS)		6400	500	mg/l	10
	2811080093	M-87				
11/19/08	Chromium, Total, ICAP		3.3		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/14/08	Perchlorate		324000		ug/l	20000
11/12/08	Total Dissolved Solid (TDS)		4040	500	mg/l	10
	2811080094	M-70				
11/19/08	Chromium, Total, ICAP		0.51		mg/l	0.010
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/14/08	Perchlorate		106000		ug/l	8000
11/12/08	Total Dissolved Solid (TDS)		3180	500	mg/l	10
	2811080095	M-71				
11/19/08	Chromium, Total, ICAP		5.0		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#258623

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

Samples Received
07-nov-2008 12:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811080095	M-71				
11/20/08	Perchlorate		608000		ug/l	40000
11/12/08	Total Dissolved Solid (TDS)		8240	500	mg/l	10
	2811080096	M-72				
11/19/08	Chromium, Total, ICAP		4.3		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/20/08	Perchlorate		842000		ug/l	40000
11/12/08	Total Dissolved Solid (TDS)		9370	500	mg/l	10
	2811080097	M-38				
11/19/08	Chromium, Total, ICAP		28		mg/l	0.10
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.2		Units	0.0010
11/14/08	Perchlorate		944000		ug/l	40000
11/12/08	Total Dissolved Solid (TDS)		16900	500	mg/l	10
	2811080098	M-36				
11/19/08	Chromium, Total, ICAP		34		mg/l	0.10
11/07/08	Hexavalent chromium (Cr VI)		36.6		mg/l	0.50
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
11/15/08	Perchlorate		1500000		ug/l	200000
11/12/08	Total Dissolved Solid (TDS)		19500	500	mg/l	10
	2811080099	M-12A				

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Laboratory
 Hits Report
 #258623

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

Samples Received
 07-nov-2008 12:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811080099	M-12A				
11/19/08		Chromium, Total, ICAP	13		mg/l	0.050
11/07/08		Hexavalent chromium (Cr VI)	13.7		mg/l	0.50
11/18/08		Metals digestion performed.	Y		Yes/No	
11/07/08		PH (H3=past HT, not compliant)	7.9		Units	0.0010
11/14/08		Perchlorate	289000		ug/l	20000
11/12/08		Total Dissolved Solid (TDS)	8100	500	mg/l	10
	2811080100	M-100				
11/19/08		Chromium, Total, ICAP	0.27		mg/l	0.020
11/07/08		Hexavalent chromium (Cr VI)	0.259		mg/l	0.0050
11/18/08		Metals digestion performed.	Y		Yes/No	
11/07/08		PH (H3=past HT, not compliant)	7.8		Units	0.0010
11/14/08		Perchlorate	43700		ug/l	2000
11/12/08		Total Dissolved Solid (TDS)	1880	500	mg/l	10
	2811080101	M-22A				
11/19/08		Chromium, Total, ICAP	34		mg/l	0.10
11/18/08		Metals digestion performed.	Y		Yes/No	
11/07/08		PH (H3=past HT, not compliant)	7.3		Units	0.0010
11/14/08		Perchlorate	1730000		ug/l	80000
11/12/08		Total Dissolved Solid (TDS)	19500	500	mg/l	10
	2811080102	M-89				
11/19/08		Chromium, Total, ICAP	25		mg/l	0.10
11/18/08		Metals digestion performed.	Y		Yes/No	
11/07/08		PH (H3=past HT, not compliant)	7.3		Units	0.0010
11/14/08		Perchlorate	857000		ug/l	40000

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

Samples Received
 07-nov-2008 12:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811080102	M-89				
11/12/08	Total Dissolved Solid (TDS)		15800	500	mg/l	10
	2811080103	M-17A				
11/19/08	Chromium, Total, ICAP		29		mg/l	0.10
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/14/08	Perchlorate		824000		ug/l	40000
11/12/08	Total Dissolved Solid (TDS)		16600	500	mg/l	10
	2811080104	MD-2				
11/19/08	Chromium, Total, ICAP		13		mg/l	0.050
11/07/08	Hexavalent chromium (Cr VI)		14.7		mg/l	0.50
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
11/15/08	Perchlorate		288000		ug/l	20000
11/12/08	Total Dissolved Solid (TDS)		7950	500	mg/l	10

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

Samples Received
11/07/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-67 (2811080088) Sampled on 11/06/08 05:43								
	11/20/08 16:12	461338	(EPA 314)	Perchlorate	512000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	8.0	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/12/08	11/12/08 12:00	460453	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8510	mg/l	10	1
M-133 (2811080089) Sampled on 11/06/08 06:32								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	11400	ug/l	800	200
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	0.77	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459623	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5900	mg/l	10	1
M-74 (2811080090) Sampled on 11/06/08 06:38								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	60400	ug/l	4000	1000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	0.99	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/12/08	11/18/08 20:45	461106	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5640(HA)	mg/l	10	1
M-73 (2811080091) Sampled on 11/06/08 07:03								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	345000	ug/l	20000	5000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	5.1	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/12/08	11/18/08 19:45	461106	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5410(HA)	mg/l	10	1



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Tronox LLC - Henderson
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-88 (2811080092) Sampled on 11/06/08 07:27								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	41100	ug/l	4000	1000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	0.91	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/12/08	11/18/08 19:45	461106	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6400 (HA)	mg/l	10	1
M-87 (2811080093) Sampled on 11/06/08 07:17								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	324000	ug/l	20000	5000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	3.3	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4040	mg/l	10	1
M-70 (2811080094) Sampled on 11/06/08 08:11								
	11/14/08 02:01	460381	(EPA 314)	Perchlorate	106000	ug/l	8000	2000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	0.51	mg/l	0.010	1
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/12/08	11/12/08 12:00	460453	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3180	mg/l	10	1
M-71 (2811080095) Sampled on 11/06/08 08:22								
	11/20/08 16:12	461338	(EPA 314)	Perchlorate	608000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	5.0	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/12/08	11/12/08 12:00	460453	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8240	mg/l	10	1
M-72 (2811080096) Sampled on 11/06/08 08:38								
	11/20/08 05:26	461341	(EPA 314)	Perchlorate	842000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	4.3	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/12/08	11/12/08 12:00	460453	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9370	mg/l	10	1



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Tronox LLC - Henderson
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-38 (2811080097) Sampled on 11/06/08 09:21								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	944000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	28	mg/l	0.10	10
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16900	mg/l	10	1
M-36 (2811080098) Sampled on 11/06/08 10:37								
	11/15/08 15:48	460808	(EPA 314)	Perchlorate	1500000	ug/l	200000	50000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	34	mg/l	0.10	10
	11/07/08 15:50	460077	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	36.6 (H3)	mg/l	0.50	100
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459615	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	19500	mg/l	10	1
M-12A (2811080099) Sampled on 11/06/08 10:00								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	289000	ug/l	20000	5000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	11/07/08 15:50	460077	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	13.7 (H3)	mg/l	0.50	100
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459615	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8100	mg/l	10	1
M-100 (2811080100) Sampled on 11/06/08 10:14								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	43700	ug/l	2000	500
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	0.27	mg/l	0.020	2
	11/07/08 15:50	460077	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.259 (H3)	mg/l	0.0050	1
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459623	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1880	mg/l	10	1



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Tronox LLC - Henderson
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-22A (2811080101)		Sampled on 11/06/08 08:51						
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	1730000	ug/l	80000	20000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	34	mg/l	0.10	10
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459615	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	19500	mg/l	10	1
M-89 (2811080102)		Sampled on 11/06/08 09:35						
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	857000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	25	mg/l	0.10	10
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	15800	mg/l	10	1
M-17A (2811080103)		Sampled on 11/06/08 09:45						
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	824000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	29	mg/l	0.10	10
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459615	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16600	mg/l	10	1
MD-2 (2811080104)		Sampled on 11/06/08 00:00						
	11/15/08 15:48	460808	(EPA 314)	Perchlorate	288000	ug/l	20000	5000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	11/07/08 15:50	460077	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	14.7 (H3)	mg/l	0.50	100
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459623	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7950	mg/l	10	1



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QC Summary
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Tronox LLC - Henderson

QC Ref #0	- Metals sample pH	Analysis Date: 11/10/2008
2811080088	M-67	Analyzed by: jrf
2811080088	M-67	Analyzed by: jrf
2811080089	M-133	Analyzed by: jrf
2811080089	M-133	Analyzed by: jrf
2811080090	M-74	Analyzed by: jrf
2811080090	M-74	Analyzed by: jrf
2811080091	M-73	Analyzed by: jrf
2811080091	M-73	Analyzed by: jrf
2811080092	M-88	Analyzed by: jrf
2811080092	M-88	Analyzed by: jrf
2811080093	M-87	Analyzed by: jrf
2811080093	M-87	Analyzed by: jrf
2811080094	M-70	Analyzed by: jrf
2811080094	M-70	Analyzed by: jrf
2811080095	M-71	Analyzed by: jrf
2811080095	M-71	Analyzed by: jrf
2811080096	M-72	Analyzed by: jrf
2811080096	M-72	Analyzed by: jrf
2811080097	M-38	Analyzed by: jrf
2811080097	M-38	Analyzed by: jrf
2811080098	M-36	Analyzed by: jrf
2811080098	M-36	Analyzed by: jrf
2811080099	M-12A	Analyzed by: jrf
2811080099	M-12A	Analyzed by: jrf
2811080099	M-12A	Analyzed by: maria
2811080100	M-100	Analyzed by: jrf
2811080100	M-100	Analyzed by: jrf
2811080101	M-22A	Analyzed by: jrf
2811080101	M-22A	Analyzed by: jrf
2811080102	M-89	Analyzed by: jrf
2811080102	M-89	Analyzed by: jrf
2811080103	M-17A	Analyzed by: jrf
2811080103	M-17A	Analyzed by: jrf
2811080104	MD-2	Analyzed by: jrf
2811080104	MD-2	Analyzed by: jrf

QC Ref #459615	- PH (H3=past HT, not compliant)	Analysis Date: 11/07/2008
2811080098	M-36	Analyzed by: sar
2811080099	M-12A	Analyzed by: sar
2811080101	M-22A	Analyzed by: sar
2811080103	M-17A	Analyzed by: sar



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Tronox LLC - Henderson
(continued)

QC Ref #459617 - PH (H3=past HT, not compliant) Analysis Date: 11/07/2008

2811080088	M-67	Analyzed by: sar
2811080090	M-74	Analyzed by: sar
2811080091	M-73	Analyzed by: sar
2811080092	M-88	Analyzed by: sar
2811080093	M-87	Analyzed by: sar
2811080094	M-70	Analyzed by: sar
2811080095	M-71	Analyzed by: sar
2811080096	M-72	Analyzed by: sar
2811080097	M-38	Analyzed by: sar
2811080102	M-89	Analyzed by: sar

QC Ref #459623 - PH (H3=past HT, not compliant) Analysis Date: 11/07/2008

2811080089	M-133	Analyzed by: sar
2811080100	M-100	Analyzed by: sar
2811080104	MD-2	Analyzed by: sar

QC Ref #460077 - Hexavalent chromium (Cr VI) Analysis Date: 11/07/2008

2811080098	M-36	Analyzed by: azs
2811080099	M-12A	Analyzed by: azs
2811080100	M-100	Analyzed by: azs
2811080104	MD-2	Analyzed by: azs

QC Ref #460381 - Perchlorate Analysis Date: 11/14/2008

2811080094	M-70	Analyzed by: ser
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QC Ref #460382 - Perchlorate Analysis Date: 11/14/2008

2811080089	M-133	Analyzed by: ser
2811080090	M-74	Analyzed by: ser
2811080091	M-73	Analyzed by: ser
2811080092	M-88	Analyzed by: ser
2811080093	M-87	Analyzed by: ser
2811080097	M-38	Analyzed by: ser



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(continued)

2811080099	M-12A	Analyzed by: ser
2811080100	M-100	Analyzed by: ser
2811080101	M-22A	Analyzed by: ser
2811080102	M-89	Analyzed by: ser
2811080103	M-17A	Analyzed by: ser

QC Ref #460453 - Total Dissolved Solid (TDS) Analysis Date: 11/12/2008

2811080088	M-67	Analyzed by: yaa
2811080094	M-70	Analyzed by: yaa
2811080095	M-71	Analyzed by: yaa
2811080096	M-72	Analyzed by: yaa

QC Ref #460479 - Total Dissolved Solid (TDS) Analysis Date: 11/12/2008

2811080089	M-133	Analyzed by: yaa
2811080093	M-87	Analyzed by: yaa
2811080097	M-38	Analyzed by: yaa
2811080098	M-36	Analyzed by: yaa
2811080099	M-12A	Analyzed by: yaa
2811080100	M-100	Analyzed by: yaa
2811080101	M-22A	Analyzed by: yaa
2811080102	M-89	Analyzed by: yaa
2811080103	M-17A	Analyzed by: yaa
2811080104	MD-2	Analyzed by: yaa

QC Ref #460808 - Perchlorate Analysis Date: 11/15/2008

2811080098	M-36	Analyzed by: ser
2811080104	MD-2	Analyzed by: ser

QC Ref #461106 - Total Dissolved Solid (TDS) Analysis Date: 11/18/2008

2811080090	M-74	Analyzed by: maria
2811080091	M-73	Analyzed by: maria
2811080092	M-88	Analyzed by: maria



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QC Ref #461190 - Chromium, Total, ICAP

Analysis Date: 11/19/2008

2811080088	M-67	Analyzed by: csk
2811080089	M-133	Analyzed by: csk
2811080090	M-74	Analyzed by: csk
2811080091	M-73	Analyzed by: csk
2811080092	M-88	Analyzed by: csk
2811080093	M-87	Analyzed by: csk

QC Ref #461191 - Chromium, Total, ICAP

Analysis Date: 11/19/2008

2811080094	M-70	Analyzed by: csk
2811080095	M-71	Analyzed by: csk
2811080096	M-72	Analyzed by: csk
2811080097	M-38	Analyzed by: csk
2811080098	M-36	Analyzed by: csk
2811080099	M-12A	Analyzed by: csk
2811080100	M-100	Analyzed by: csk
2811080101	M-22A	Analyzed by: csk
2811080102	M-89	Analyzed by: csk
2811080103	M-17A	Analyzed by: csk
2811080104	MD-2	Analyzed by: csk

QC Ref #461338 - Perchlorate

Analysis Date: 11/20/2008

2811080088	M-67	Analyzed by: ser
2811080095	M-71	Analyzed by: ser

QC Ref #461341 - Perchlorate

Analysis Date: 11/20/2008

2811080096	M-72	Analyzed by: ser
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QC Ref #459615 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.32	7.32	UNIT		(0-20)	0.0

QC Ref #459617 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.27	7.26	UNIT		(0-20)	0.1

QC Ref #459623 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.88	7.84	UNIT		(0-20)	0.5

QC Ref #460077 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11080100	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.054	MGL	108.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.056	MGL	112.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.005	MGL	100.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.041	MGL	82.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.049	MGL	98.0	(70-130)	

QC Ref #460381 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11120337	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS2	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	

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LCS3	Perchlorate	4	3.92	UGL	98.0	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	24.4	UGL	97.6	(80-120)
MSD	Perchlorate	25.0	26.0	UGL	104.0	(80-120)
RPD_LCS	Perchlorate	100.000	100.800	UGL	0.8	(0-15)
RPD_MS	Perchlorate	97.600	104.000	UGL	1.1	(0-15)

QC Ref #460382 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11120113	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.1	UGL	100.4	(85-115)	
LCS2	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS3	Perchlorate	4	4.90	UGL	122.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	28.8	UGL	115.2	(80-120)	
MSD	Perchlorate	25.0	25.4	UGL	101.6	(80-120)	
RPD_LCS	Perchlorate	100.400	106.400	UGL	5.8	(0-15)	
RPD_MS	Perchlorate	115.200	101.600	UGL	0.9	(0-15)	

QC Ref #460453 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070280	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	796	804	MGL		(0-10)	1.0
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	678	MGL	96.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	97.143	96.857	MGL	0.3	(0-20)	

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QC Ref #460479 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11080104	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7910	7950	MGL		(0-10)	0.5
LCS1	Total Dissolved Solid (TDS)	175	166	MGL	94.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	659	MGL	94.1	(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)	94.857	94.143	MGL	0.8	(0-20)	

QC Ref #460808 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11130179	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS2	Perchlorate	25.0	24.7	UGL	98.8	(85-115)	
LCS3	Perchlorate	4	4.51	UGL	112.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.0	UGL	100.0	(80-120)	
MSD	Perchlorate	25.0	25.3	UGL	101.2	(80-120)	
RPD_LCS	Perchlorate	104.000	98.800	UGL	5.1	(0-15)	
RPD_MS	Perchlorate	100.000	101.200	UGL	1.0	(0-15)	

QC Ref #461106 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070260	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	13600	14050	MGL		(0-10)	3.3
LCS1	Total Dissolved Solid (TDS)	175	150	MGL	85.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	636	MGL	90.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			

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MRL_CHK	Total Dissolved Solid (TDS)	10.0	10.0	MGL	100.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	85.714	90.857	MGL	5.8	(0-20)

QC Ref #461190 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070264	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.10	MGL	110.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0111	MGL	111.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.10	MGL	110.0	(70-130)	

QC Ref #461191 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11080094	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.09	MGL	109.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.06	MGL	106.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0111	MGL	111.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.10	MGL	110.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(70-130)	

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QC Ref #461338

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11070294	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.8	UGL	107.2	(85-115)	
LCS2	Perchlorate	25.0	25.9	UGL	103.6	(85-115)	
LCS3	Perchlorate	4	4.64	UGL	116.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.7	UGL	98.8	(80-120)	
MSD	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
RPD_LCS	Perchlorate	107.200	103.600	UGL	3.4	(0-15)	
RPD_MS	Perchlorate	98.800	96.000	UGL	1.0	(0-15)	

QC Ref #461341

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11140089	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.9	UGL	99.6	(85-115)	
LCS2	Perchlorate	25.0	24.7	UGL	98.8	(85-115)	
LCS3	Perchlorate	4	4.68	UGL	117.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.2	UGL	92.8	(80-120)	
MSD	Perchlorate	25.0	23.9	UGL	95.6	(80-120)	
RPD_LCS	Perchlorate	99.600	98.800	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	92.800	95.600	UGL	1.0	(0-15)	

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