



# 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)

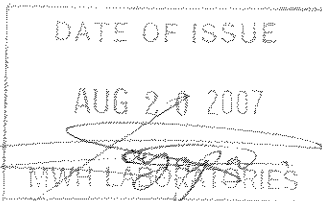
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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



for  
ADE Andy Eaton  
Project Manager

Report#211929R replaces the original Report.



Report#: 211929R  
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 23 page[s].



## **MWH Laboratories**

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Monrovia, California 91016-3629  
Tel: 626 386 1100  
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1 800 566 LABS (1 800 566 5227)

August 20, 2007

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

Subject: Case Narrative report 211929R

Enclosed is MWH Laboratories Report 211929R

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on July 31, 2007 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:

For the MWH Laboratories data the following issues were observed: 4 samples were analyzed past the 24 hour holding time for hexavalent chromium because they were received past the 24 hour hold time.

270310402 M-94 270310405 M-44 270310411 FP-1 270310412 MD-1

This report was revised to make a correction on the QC for the PH9040 and CR6010 test codes.

Sincerely,

Andrew Eaton, PhD  
Project Manager



MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

21929

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

MW LABS USE ONLY

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 3

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: PROJECT JOB # / P.O.#  
 KERRMCGEE-MP: Quantity Groundwater Sampling  
 Schedule B

Sampler: Michelle Brown  
 Tronox LLC - Henderson Plant  
 PO Box 55  
 Henderson, NV 89009  
 Susan Crowley (702) 651-2234

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

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

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	CR 8010	PH 9040	TDS	CL04	CRVI 7195	CL03 9056	NC3 9056	See Bottle Order	SAMPLER Comments
5:46	7-30-07		PC-123	RGW	X		X	X	X	X					2 Bottles
6:06	7-30-07		PC-124	RGW	X		X	X	X	X					2 Bottles
6:17	7-30-07		PC-125	RGW	X		X	X	X	X					2 Bottles
6:31	7-30-07		PC-126	RGW	X		X	X	X	X					2 Bottles
6:41	7-30-07		PC-127	RGW	X		X	X	X	X					2 Bottles
7:00	7-30-07		PC-128	RGW	X		X	X	X	X					2 Bottles
7:18	7-30-07		PC-129	RGW	X		X	X	X	X					2 Bottles
7:31	7-30-07		PC-130	RGW	X		X	X	X	X					2 Bottles
7:51	7-30-07		PC-131	RGW	X		X	X	X	X					2 Bottles
8:09	7-30-07		PC-132	RGW	X		X	X	X	X					2 Bottles
8:48	7-30-07		M-96	RGW	X		X	X	X	X					2 Bottles
11:57	7-30-07		M-97	RGW	X		X	X	X	X	X				3 Bottles

Reported by Volume:  
 CFW = Chloroformated 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

RELINQUISHED BY: Michelle Brown  
 RECEIVED BY: JOE SANCHEZ  
 SIGNATURE: [Signature]  
 PRINT NAME: JOE SANCHEZ

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

DATE: 7/30/07 12:00PM  
 7/31/07 10:10am



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

M/LABS USE ONLY:

750 Royal Oaks Ave, Suite 100, Montrovia, CA 91016  
(626) 366-1100 (800) 566-5227

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: AS

SAMPLE TEMP, RECEIPT AT LAB: 3

BLUE ICE:  FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:		PROJECT JOB # / P.O.#		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES		(check for yes)						
COMPANY / PROJECT NAME		Quantity Groundwater Sampling		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)								
KERRMCGEE-MP Sampler: Michele Brown Susan Crowley (702) 651-2234		Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009		See Bottle Order								
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	COMP	PH 9040	TDS	CL04	CRV1 7196	CL03 9056	NO3 9056	SAMPLER Comments
9:30	7-30-07		PC-54	RGW	X	X	X	X				2 Bottles
9:48	7-30-07		M-48	RGW	X	X	X	X				2 Bottles
10:11	7-30-07		M-44	RGW	X	X	X	X	X			3 Bottles
11:08	7-30-07		PC-37	RGW	X	X	X	X				2 Bottles
10:30	7-30-07		PC-71	RGW	X	X	X	X				2 Bottles
10:35	7-30-07		PC-72	RGW	X	X	X	X				2 Bottles
10:51	7-30-07		PC-73	RGW	X	X	X	X				2 Bottles
11:34	7-30-07		M-23	RGW	X	X	X	X				2 Bottles
6:08	7-30-07		FB-1	RGW	X	X	X	X	X			3 Bottles
	7-30-07		MD-1	RGW	X	X	X	X	X			3 Bottles
	7-30-07		MD-3	RGW	X	X	X	X	X			2 Bottles

Reported by Volume:  
 CFW = Chloraminated Finished Water  
 FW = Other Finished Water

Reported by Weight:  
 SO = Soil  
 SL = Sludge

RGW = Raw Ground Water  
 RSW = Raw Surface Water

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

RETURNED BY: <u>Michele Brown</u>	SIGNATURE	COMPANY/TITLE	DATE	TIME
RECEIVED BY: <u>Joe Sanchez</u>	PRINT NAME	Vanilla Water NA for Tronox LLC - Henderson Plant	7-30-07	12:00PM
RELINQUISHED BY:		MWA	7-31-07	10:00
RECEIVED BY:				

**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#: 211929  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **07/31/07**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2707310391	PC-123	CLO4	Water	30-jul-2007 05:46:00
2707310392	PC-124	CLO4	Water	30-jul-2007 06:05:00
2707310393	PC-125	CLO4	Water	30-jul-2007 06:17:00
2707310394	PC-126	CLO4	Water	30-jul-2007 06:31:00
2707310395	PC-127	CLO4	Water	30-jul-2007 06:41:00
2707310396	PC-128	CLO4	Water	30-jul-2007 07:00:00
2707310397	PC-129	CLO4	Water	30-jul-2007 07:18:00
2707310398	PC-130	CLO4	Water	30-jul-2007 07:34:00
2707310399	PC-131	CLO4	Water	30-jul-2007 07:51:00
2707310400	PC-132	CLO4	Water	30-jul-2007 08:09:00
2707310401	M-96	CLO4	Water	30-jul-2007 08:48:00
2707310402	M-94	CLO4	Water	30-jul-2007 11:55:00
		TDS		
2707310403	PC-54	CLO4	Water	30-jul-2007 09:30:00
2707310404	M-48	CLO4	Water	30-jul-2007 09:48:00
2707310405	M-44	CLO4	Water	30-jul-2007 12:17:00
		TDS		
2707310406	PC-37	CLO4	Water	30-jul-2007 11:08:00

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#: 211929  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2707310407	PC-71	CLO4	Water	30-jul-2007 10:20:00
		CR6010	P	PH9040 TDS
2707310408	PC-72	CLO4	Water	30-jul-2007 10:35:00
		CR6010	P	PH9040 TDS
2707310409	PC-73	CLO4	Water	30-jul-2007 10:51:00
		CR6010	P	PH9040 TDS
2707310410	M-23	CLO4	Water	30-jul-2007 11:34:00
		CR6010	P	PH9040 TDS
2707310411	FB-1	CLO4	Water	30-jul-2007 06:08:00
		CR6010	CRVI7196 P	PH9040 T
		TDS		
2707310412	MD-1	CLO4	Water	30-jul-2007 00:00:00
		CR6010	CRVI7196 P	PH9040 T
		TDS		
2707310413	MD-3	CLO4	Water	30-jul-2007 00:00:00
		CR6010	P	PH9040 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)



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Report  
Comments  
#211929

**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: \_\_\_\_\_

A handwritten signature in black ink, appearing to be 'L. J. ...', written over a horizontal line.

**Group Comments**

Report revised to correct duplicate QC for PH9040 and CR6010.

(QC Ref#: 2707310411)

**Test: Hexavalent chromium (Cr VI) (ML/EPS 7196)**

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



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Laboratory  
Hits Report  
#211929

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

Samples Received  
31-Jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2707310391</b>	<b>PC-123</b>				
08/03/07		Chromium, Total, ICAP	1.5		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/03/07		Perchlorate	380000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	8080	500	mg/l	10
	<b>2707310392</b>	<b>PC-124</b>				
08/03/07		Chromium, Total, ICAP	0.023		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/03/07		Perchlorate	4810		ug/l	400
08/01/07		Total Dissolved Solid (TDS)	6030	500	mg/l	10
	<b>2707310393</b>	<b>PC-125</b>				
08/03/07		Chromium, Total, ICAP	0.025		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/03/07		Perchlorate	5530		ug/l	400
08/01/07		Total Dissolved Solid (TDS)	6440	500	mg/l	10
	<b>2707310394</b>	<b>PC-126</b>				
08/03/07		Chromium, Total, ICAP	0.086		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.3		Units	0.0010
08/03/07		Perchlorate	11700		ug/l	800
08/01/07		Total Dissolved Solid (TDS)	12000	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.





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Laboratory  
Hits Report  
#211929

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

Samples Received  
31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707310395	PC-127				
	2707310395	PC-127				
08/03/07	Chromium, Total, ICAP		1.5		mg/l	0.020
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/03/07	Perchlorate		417000		ug/l	40000
08/01/07	Total Dissolved Solid (TDS)		8310	500	mg/l	10
	2707310396	PC-128				
08/03/07	Chromium, Total, ICAP		0.11		mg/l	0.020
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/03/07	Perchlorate		170000		ug/l	20000
08/01/07	Total Dissolved Solid (TDS)		5480	500	mg/l	10
	2707310397	PC-129				
08/03/07	Chromium, Total, ICAP		0.61		mg/l	0.020
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/05/07	Perchlorate		400000		ug/l	200000
08/01/07	Total Dissolved Solid (TDS)		6980	500	mg/l	10
	2707310398	PC-130				
08/03/07	Chromium, Total, ICAP		0.69		mg/l	0.020
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010

SUMMARY OF POSITIVE DATA ONLY.



750 Royal Oaks Drive, Suite 100  
 Menlo Park, California 91016-3629  
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Laboratory  
 Hits Report  
 #211929

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

Samples Received  
 31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2707310398</b>	<b>PC-130</b>				
08/03/07	Perchlorate		472000		ug/l	40000
08/01/07	Total Dissolved Solid (TDS)		7410	500	mg/l	10
	<b>2707310399</b>	<b>PC-131</b>				
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/03/07	Perchlorate		13000		ug/l	2000
08/01/07	Total Dissolved Solid (TDS)		9320	500	mg/l	10
	<b>2707310400</b>	<b>PC-132</b>				
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/03/07	Perchlorate		3300		ug/l	400
08/01/07	Total Dissolved Solid (TDS)		9220	500	mg/l	10
	<b>2707310401</b>	<b>M-96</b>				
08/03/07	Chromium, Total, ICAP		1.7		mg/l	0.020
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/04/07	Perchlorate		421000		ug/l	40000
08/01/07	Total Dissolved Solid (TDS)		7800	500	mg/l	10
	<b>2707310402</b>	<b>M-94</b>				
08/03/07	Chromium, Total, ICAP		0.72		mg/l	0.020
07/31/07	Hexavalent chromium (Cr VI)		0.74		mg/l	0.050
08/01/07	Metals digestion performed.		Y		Yes/No	

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Samples Received  
31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2707310402</b>	<b>M-94</b>				
08/01/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/03/07	Perchlorate		625000		ug/l	40000
08/01/07	Total Dissolved Solid (TDS)		8280	500	mg/l	10
	<b>2707310403</b>	<b>PC-54</b>				
08/03/07	Chromium, Total, ICAP		2.6		mg/l	0.020
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/03/07	Perchlorate		311000		ug/l	40000
08/01/07	Total Dissolved Solid (TDS)		7340	500	mg/l	10
	<b>2707310404</b>	<b>M-48</b>				
08/03/07	Chromium, Total, ICAP		0.97		mg/l	0.020
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/03/07	Perchlorate		167000		ug/l	20000
08/01/07	Total Dissolved Solid (TDS)		2980	500	mg/l	10
	<b>2707310405</b>	<b>M-44</b>				
08/03/07	Chromium, Total, ICAP		0.88		mg/l	0.020
07/31/07	Hexavalent chromium (Cr VI)		0.95		mg/l	0.050
08/01/07	Metals digestion performed.		Y		Yes/No	
08/01/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/03/07	Perchlorate		854000		ug/l	200000
08/01/07	Total Dissolved Solid (TDS)		9320	500	mg/l	10
	<b>2707310406</b>	<b>PC-37</b>				

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 #211929

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

Samples Received  
 31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2707310406</b>	<b>PC-37</b>				
08/03/07		Chromium, Total, ICAP	0.18		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/03/07		Perchlorate	308000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	7560	500	mg/l	10
	<b>2707310407</b>	<b>PC-71</b>				
08/03/07		Chromium, Total, ICAP	0.50		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/03/07		Perchlorate	600000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	8900	500	mg/l	10
	<b>2707310408</b>	<b>PC-72</b>				
08/03/07		Chromium, Total, ICAP	0.31		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.6		Units	0.0010
08/03/07		Perchlorate	369000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	7770	500	mg/l	10
	<b>2707310409</b>	<b>PC-73</b>				
08/03/07		Chromium, Total, ICAP	0.40		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/03/07		Perchlorate	398000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	7500	500	mg/l	10

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#211929

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

Samples Received  
31-jul-2007 17:05:57

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2707310409	PC-73				
	2707310410	M-23				
08/03/07		Chromium, Total, ICAP	0.75		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/03/07		Perchlorate	391000		ug/l	40000
08/01/07		Total Dissolved Solid (TDS)	4550	500	mg/l	10
	2707310411	FB-1				
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	6.2		Units	0.0010
	2707310412	MD-1				
08/03/07		Chromium, Total, ICAP	0.72		mg/l	0.020
07/31/07		Hexavalent chromium (Cr VI)	0.76		mg/l	0.050
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/08/07		Perchlorate	687000		ug/l	200000
08/01/07		Total Dissolved Solid (TDS)	8120	500	mg/l	10
	2707310413	MD-3				
08/03/07		Chromium, Total, ICAP	0.41		mg/l	0.020
08/01/07		Metals digestion performed.	Y		Yes/No	
08/01/07		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/03/07		Perchlorate	416000		ug/l	200000
08/01/07		Total Dissolved Solid (TDS)	7680	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Hits Report  
#211929

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

Samples Received  
31-jul-2007 17:05:57

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
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	2707310413	MD-3				
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Laboratory  
Data Report  
#211929

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

Samples Received  
07/31/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-123 (2707310391)                      Sampled on 07/30/07 05:46</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	380000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	1.5	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	8080	mg/l	10	1
<b>PC-124 (2707310392)                      Sampled on 07/30/07 06:05</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	4810	ug/l	400	100
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.023	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	6030	mg/l	10	1
<b>PC-125 (2707310393)                      Sampled on 07/30/07 06:17</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	5530	ug/l	400	100
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.025	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	6440	mg/l	10	1
<b>PC-126 (2707310394)                      Sampled on 07/30/07 06:31</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	11700	ug/l	800	200
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.086	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	12000	mg/l	10	1



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Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-127 (2707310395)                      Sampled on 07/30/07 06:41</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	417000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	1.5	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	8310	mg/l	10	1
<b>PC-128 (2707310396)                      Sampled on 07/30/07 07:00</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	170000	ug/l	20000	5000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.11	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	5480	mg/l	10	1
<b>PC-129 (2707310397)                      Sampled on 07/30/07 07:18</b>								
	08/05/07 00:10	379890	( EPA 314 )	Perchlorate	400000	ug/l	200000	50000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.61	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	6980	mg/l	10	1
<b>PC-130 (2707310398)                      Sampled on 07/30/07 07:34</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	472000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.69	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	7410	mg/l	10	1
<b>PC-131 (2707310399)                      Sampled on 07/30/07 07:51</b>								
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	13000	ug/l	2000	500
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 11:30	379674	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	9320	mg/l	10	1





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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-132 (2707310400)</b>		<b>Sampled on 07/30/07 08:09</b>						
	08/03/07 00:45	379600	( EPA 314 )	Perchlorate	3300	ug/l	400	100
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	9220	mg/l	10	1
<b>M-96 (2707310401)</b>		<b>Sampled on 07/30/07 08:48</b>						
	08/04/07 00:17	379847	( EPA 314 )	Perchlorate	421000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	1.7	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	7800	mg/l	10	1
<b>M-94 (2707310402)</b>		<b>Sampled on 07/30/07 11:55</b>						
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	625000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.72	mg/l	0.020	2
	07/31/07 12:24	379228	( ML/EPS 7196 )	Hexavalent chromium (Cr VI)	0.74	mg/l	0.050	10
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379312	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	8280	mg/l	10	1
<b>PC-54 (2707310403)</b>		<b>Sampled on 07/30/07 09:30</b>						
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	311000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	2.6	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	7340	mg/l	10	1



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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-48 (2707310404)</b>		<b>Sampled on 07/30/07 09:48</b>						
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	167000	ug/l	20000	5000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.97	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	2980	mg/l	10	1
<b>M-44 (2707310405)</b>		<b>Sampled on 07/30/07 12:17</b>						
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	854000	ug/l	200000	50000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.88	mg/l	0.020	2
	07/31/07 12:28	379228	( ML/EPS 7196 )	Hexavalent chromium (Cr VI)	0.95	mg/l	0.050	10
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379312	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	9320	mg/l	10	1
<b>PC-37 (2707310406)</b>		<b>Sampled on 07/30/07 11:08</b>						
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	308000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.18	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	7560	mg/l	10	1
<b>PC-71 (2707310407)</b>		<b>Sampled on 07/30/07 10:20</b>						
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	600000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.50	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	8900	mg/l	10	1



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Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-72 (2707310408)      Sampled on 07/30/07 10:35</b>								
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	369000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.31	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	7770	mg/l	10	1
<b>PC-73 (2707310409)      Sampled on 07/30/07 10:51</b>								
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	398000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.40	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	7500	mg/l	10	1
<b>M-23 (2707310410)      Sampled on 07/30/07 11:34</b>								
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	391000	ug/l	40000	10000
08/02/07	08/03/07 00:00	379963	( ML/EPA 6010B )	Chromium, Total, ICAP	0.75	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379312	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	4550	mg/l	10	1
<b>FB-1 (2707310411)      Sampled on 07/30/07 06:08</b>								
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	ND	ug/l	4.0	1
08/02/07	08/03/07 00:00	379962	( ML/EPA 6010B )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	07/31/07 12:29	379228	( ML/EPS 7196 )	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	6.2	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	ND	mg/l	10	1



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 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>MD-1 (2707310412)</b>		<b>Sampled on 07/30/07 00:00</b>						
	08/08/07 11:10	380214	( EPA 314 )	Perchlorate	687000	ug/l	200000	50000
08/02/07	08/03/07 00:00	379962	( ML/EPA 6010B )	Chromium, Total, ICAP	0.72	mg/l	0.020	2
	07/31/07 12:27	379228	( ML/EPS 7196 )	Hexavalent chromium (Cr VI)	0.76	mg/l	0.050	10
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	8120	mg/l	10	1
<b>MD-3 (2707310413)</b>		<b>Sampled on 07/30/07 00:00</b>						
	08/03/07 12:20	379843	( EPA 314 )	Perchlorate	416000	ug/l	200000	50000
08/02/07	08/03/07 00:00	379962	( ML/EPA 6010B )	Chromium, Total, ICAP	0.41	mg/l	0.020	2
	08/01/07 15:27		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	08/01/07 00:00	379310	( ML/EPA 9040B )	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/01/07	08/01/07 16:00	379673	( E160.1/SM2540C)	Total Dissolved Solid (TDS)	7680	mg/l	10	1



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Laboratory  
QC Summary  
#211929

Tronox LLC - Henderson

QC Ref #379228 - Hexavalent chromium (Cr VI) Analysis Date: 07/31/2007

2707310402	M-94	Analyzed by: wbh
2707310405	M-44	Analyzed by: wbh
2707310411	FB-1	Analyzed by: wbh
2707310412	MD-1	Analyzed by: wbh

QC Ref #379310 - PH (H3=past HT, not compliant) Analysis Date: 08/01/2007

2707310391	PC-123	Analyzed by: faj
2707310392	PC-124	Analyzed by: faj
2707310393	PC-125	Analyzed by: faj
2707310394	PC-126	Analyzed by: faj
2707310395	PC-127	Analyzed by: faj
2707310396	PC-128	Analyzed by: faj
2707310397	PC-129	Analyzed by: faj
2707310398	PC-130	Analyzed by: faj
2707310399	PC-131	Analyzed by: faj
2707310400	PC-132	Analyzed by: faj
2707310401	M-96	Analyzed by: faj
2707310403	PC-54	Analyzed by: faj
2707310404	M-48	Analyzed by: faj
2707310406	PC-37	Analyzed by: faj
2707310407	PC-71	Analyzed by: faj
2707310408	PC-72	Analyzed by: faj
2707310409	PC-73	Analyzed by: faj
2707310411	FB-1	Analyzed by: faj
2707310412	MD-1	Analyzed by: faj
2707310413	MD-3	Analyzed by: faj

QC Ref #379312 - PH (H3=past HT, not compliant) Analysis Date: 08/01/2007

2707310402	M-94	Analyzed by: faj
2707310405	M-44	Analyzed by: faj
2707310410	M-23	Analyzed by: faj

QC Ref #379600 - Perchlorate

Analysis Date: 08/03/2007

2707310391	PC-123	Analyzed by: clv
2707310392	PC-124	Analyzed by: clv
2707310393	PC-125	Analyzed by: clv
2707310394	PC-126	Analyzed by: clv



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2707310395	PC-127	Analyzed by: clv
2707310396	PC-128	Analyzed by: clv
2707310398	PC-130	Analyzed by: clv
2707310399	PC-131	Analyzed by: clv
2707310400	PC-132	Analyzed by: clv

QC Ref #379673 - Total Dissolved Solid (TDS) Analysis Date: 08/01/2007

2707310400	PC-132	Analyzed by: yvette
2707310401	M-96	Analyzed by: yvette
2707310402	M-94	Analyzed by: yvette
2707310403	PC-54	Analyzed by: yvette
2707310404	M-48	Analyzed by: yvette
2707310405	M-44	Analyzed by: yvette
2707310406	PC-37	Analyzed by: yvette
2707310407	PC-71	Analyzed by: yvette
2707310408	PC-72	Analyzed by: yvette
2707310409	PC-73	Analyzed by: yvette
2707310410	M-23	Analyzed by: yvette
2707310411	FB-1	Analyzed by: yvette
2707310412	MD-1	Analyzed by: yvette
2707310413	MD-3	Analyzed by: yvette

QC Ref #379674 - Total Dissolved Solid (TDS) Analysis Date: 08/01/2007

2707310391	PC-123	Analyzed by: yvette
2707310392	PC-124	Analyzed by: yvette
2707310393	PC-125	Analyzed by: yvette
2707310394	PC-126	Analyzed by: yvette
2707310395	PC-127	Analyzed by: yvette
2707310396	PC-128	Analyzed by: yvette
2707310397	PC-129	Analyzed by: yvette
2707310398	PC-130	Analyzed by: yvette
2707310399	PC-131	Analyzed by: yvette

QC Ref #379843 - Perchlorate Analysis Date: 08/03/2007

2707310402	M-94	Analyzed by: clv
2707310403	PC-54	Analyzed by: clv
2707310404	M-48	Analyzed by: clv
2707310405	M-44	Analyzed by: clv



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2707310406	PC-37	Analyzed by: clv
2707310407	PC-71	Analyzed by: clv
2707310408	PC-72	Analyzed by: clv
2707310409	PC-73	Analyzed by: clv
2707310410	M-23	Analyzed by: clv
2707310411	FB-1	Analyzed by: clv
2707310413	MD-3	Analyzed by: clv

**QC Ref #379847 - Perchlorate**

**Analysis Date: 08/04/2007**

2707310401	M-96	Analyzed by: clv
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**QC Ref #379890 - Perchlorate**

**Analysis Date: 08/05/2007**

2707310397	PC-129	Analyzed by: clv
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**QC Ref #379962 - Chromium, Total, ICAP**

**Analysis Date: 08/03/2007**

2707310411	FB-1	Analyzed by: wbh
2707310412	MD-1	Analyzed by: wbh
2707310413	MD-3	Analyzed by: wbh

**QC Ref #379963 - Chromium, Total, ICAP**

**Analysis Date: 08/03/2007**

2707310391	PC-123	Analyzed by: wbh
2707310392	PC-124	Analyzed by: wbh
2707310393	PC-125	Analyzed by: wbh
2707310394	PC-126	Analyzed by: wbh
2707310395	PC-127	Analyzed by: wbh
2707310396	PC-128	Analyzed by: wbh
2707310397	PC-129	Analyzed by: wbh
2707310398	PC-130	Analyzed by: wbh
2707310399	PC-131	Analyzed by: wbh
2707310400	PC-132	Analyzed by: wbh
2707310401	M-96	Analyzed by: wbh
2707310402	M-94	Analyzed by: wbh
2707310403	PC-54	Analyzed by: wbh
2707310404	M-48	Analyzed by: wbh
2707310405	M-44	Analyzed by: wbh
2707310406	PC-37	Analyzed by: wbh



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2707310407	PC-71	Analyzed by: wbh
2707310408	PC-72	Analyzed by: wbh
2707310409	PC-73	Analyzed by: wbh
2707310410	M-23	Analyzed by: wbh

QC Ref #380214 - Perchlorate

Analysis Date: 08/08/2007

2707310412	MD-1	Analyzed by: clv
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## QC Ref #379228 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07310402	MGL		( 0-0 )	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.053	MGL	106.0	( 85-115 )	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.047	MGL	94.0	( 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)	0.50	0.48	MGL	96.0	( 70-130 )	
MSD	Hexavalent chromium (Cr VI)	0.50	0.47	MGL	94.0	( 70-130 )	

## QC Ref #379310 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.36	7.37	UNIT		( 0-20 )	0.1

## QC Ref #379312 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.53	7.54	UNIT		( 0-20 )	0.1

## QC Ref #379600 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	07310391	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.2	UGL	100.8	( 85-115 )	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	( 85-115 )	
LCS3	Perchlorate	4	4.01	UGL	100.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.9	UGL	91.6	( 80-120 )	
MSD	Perchlorate	25.0	24.8	UGL	99.2	( 80-120 )	
RPD_LCS	Perchlorate	100.800	103.200	UGL	2.4	( 0-15 )	
RPD_MS	Perchlorate	91.600	99.200	UGL	1.1	( 0-15 )	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
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QC Ref #379673                      Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07310400	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	9220	9020	MGL		( 0-10 )	2.2
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	706	MGL	100.9	( 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)	101.714	100.857	MGL	0.8	( 0-20 )	

QC Ref #379674                      Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07260026	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	28	27	MGL		( 0-10 )	3.6
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	688	MGL	98.3	( 80-114 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	100.571	98.286	MGL	2.3	( 0-20 )	

QC Ref #379843                      Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	07310411	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	26.5	UGL	106.0	( 85-115 )	
LCS2	Perchlorate	25.0	25.9	UGL	103.6	( 85-115 )	
LCS3	Perchlorate	4	4.53	UGL	113.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.0	UGL	100.0	( 80-120 )	
MSD	Perchlorate	25.0	25.6	UGL	102.4	( 80-120 )	

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## Tronox LLC - Henderson (continued)

RPD_LCS	Perchlorate	106.000	103.600	UGL	2.3	( 0-15 )
RPD_MS	Perchlorate	100.000	102.400	UGL	1.0	( 0-15 )

### QC Ref #379847 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08020557	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	27.2	UGL	108.8	( 85-115 )	
LCS2	Perchlorate	25.0	25.3	UGL	101.2	( 85-115 )	
LCS3	Perchlorate	4	4.17	UGL	104.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.3	UGL	93.2	( 80-120 )	
MSD	Perchlorate	25.0	24.5	UGL	98.0	( 80-120 )	
RPD_LCS	Perchlorate	108.800	101.200	UGL	7.2	( 0-15 )	
RPD_MS	Perchlorate	93.200	98.000	UGL	1.1	( 0-15 )	

### QC Ref #379890 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08020342	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.5	UGL	102.0	( 85-115 )	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	( 85-115 )	
LCS3	Perchlorate	4	4.31	UGL	107.7	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.9	UGL	87.6	( 80-120 )	
MSD	Perchlorate	25.0	24.8	UGL	99.2	( 80-120 )	
RPD_LCS	Perchlorate	102.000	103.200	UGL	1.2	( 0-15 )	
RPD_MS	Perchlorate	87.600	99.200	UGL	1.1	( 0-15 )	

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**QC Ref #379962                      Chromium, Total, ICAP**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07260297	MGL		( 0-0 )	
LCS1	Chromium, Total, ICAP	1.00	0.966	MGL	96.6	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.969	MGL	96.9	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0103	MGL	103.0	( 50-150 )	
MS	Chromium, Total, ICAP	1.00	0.993	MGL	99.3	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	0.978	MGL	97.8	( 70-130 )	

**QC Ref #379963                      Chromium, Total, ICAP**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	07310405	MGL		( 0-0 )	
LCS1	Chromium, Total, ICAP	1.00	0.930	MGL	93.0	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.979	MGL	97.9	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0103	MGL	103.0	( 50-150 )	
MS	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	0.985	MGL	98.5	( 70-130 )	

**QC Ref #380214                      Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	08010223	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	23.2	UGL	92.8	( 85-115 )	
LCS2	Perchlorate	25.0	23.9	UGL	95.6	( 85-115 )	
LCS3	Perchlorate	4	3.97	UGL	99.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.2	UGL	96.8	( 80-120 )	
MSD	Perchlorate	25.0	22.8	UGL	91.2	( 80-120 )	

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RPD_LCS	Perchlorate	92.800	95.600	UGL	3.0	( 0-15 )
RPD_MS	Perchlorate	96.800	91.200	UGL	0.9	( 0-15 )

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