



MWH Laboratories

A Division of MWH Americas, Inc.

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

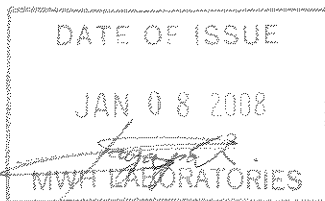
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager

Report#221638R replaces the original Report.



Report#: 221638R
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 27 page[s].



750 Royal Oaks Drive, Suite 100
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January 8, 2008

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

Subject: Case Narrative report 221638R

Enclosed is MWH Laboratories Report 221638R

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 08, 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:

Report revised to correct data entry error Cr total, sample# 2711070178.

Samples for hex chrome were received after the RCRA 24 hour holding time and are reported with an H3 flag.

TDS was not consistent with historical data for several samples (I-H, I-N and I-L). The samples were rerun past hold time. The rerun data for the samples were entered with an HA flag.

Note:

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

Sincerely,

Andrew Eaton, PhD
Project Manager

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#: 221638
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **11/07/07**. 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
2711070172	I-W	CLO4 CR6010	Water	06-nov-2007 10:39:00
2711070173	I-X	CLO4 CR6010	Water	06-nov-2007 11:40:00
2711070174	I-Y	CLO4 CR6010	Water	06-nov-2007 12:50:00
2711070175	M-64	CLO4 CR6010	Water	06-nov-2007 07:25:00
2711070176	M-65	CLO4 CR6010	Water	06-nov-2007 07:49:00
2711070177	M-66	CLO4 CR6010	Water	06-nov-2007 08:12:00
2711070178	M-57A	CLO4 CR6010	Water	06-nov-2007 08:42:00
2711070179	M-99	CLO4 CR6010	Water	06-nov-2007 09:06:00
2711070180	M-69	CLO4 CR6010	Water	06-nov-2007 09:28:00
2711070181	M-79	CLO4 CR6010	Water	06-nov-2007 09:44:00
2711070182	EB-1	CLO4 CR6010	Water	06-nov-2007 08:21:00
		TDS	CRVI7196 P	PH9040 T
2711070183	I-O	CLO4 CR6010	Water	06-nov-2007 05:04:00
2711070186	I-P	CLO4 CR6010	Water	06-nov-2007 06:45:00
2711070187	I-H	CLO4 CR6010	Water	06-nov-2007 05:09:00
2711070188	I-U	CLO4 CR6010	Water	06-nov-2007 05:16:00
2711070189	I-T	CLO4 CR6010	Water	06-nov-2007 05:12:00

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Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2711070190	I-Q	CLO4 CR6010	Water P	06-nov-2007 05:22:00
2711070191	I-F	CLO4 CR6010	Water P	06-nov-2007 05:26:00
2711070192	I-N	CLO4 CR6010	Water P	06-nov-2007 05:30:00
2711070193	I-E	CLO4 CR6010	Water P	06-nov-2007 05:33:00
2711070194	I-M	CLO4 CR6010	Water P	06-nov-2007 05:37:00
2711070195	I-D	CLO4 CR6010	Water P	06-nov-2007 05:46:00
2711070196	I-C	CLO4 CR6010	Water P	06-nov-2007 05:49:00
2711070197	I-S	CLO4 CR6010	Water P	06-nov-2007 05:53:00
2711070198	I-L	CLO4 CR6010	Water P	06-nov-2007 05:57:00
2711070199	I-R	CLO4 CR6010	Water P	06-nov-2007 05:59:00
2711070200	I-B	CLO4 CR6010	Water P	06-nov-2007 06:04:00
2711070201	I-AR	CLO4 CR6010	Water P	06-nov-2007 06:10:00

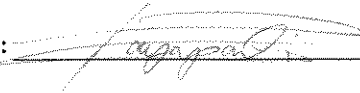
Test Acronym Description

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: 

Group Comments

Report revised to correct Cr total data entry error.

(QC Ref#: 2711070178)

Test: Chromium, Total, ICAP (ML/EPA 6010B)

Report revised. data entry error.

(QC Ref#: 2711070182)

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

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

(QC Ref#: 2711070187)

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

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

(QC Ref#: 2711070192)

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

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

(QC Ref#: 2711070198)

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

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



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Laboratory
 Hits Report
 #221638

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

Samples Received
 07-nov-2007 14:37:35

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2711070172	I-W				
11/15/07	Chromium, Total, ICAP		30		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/09/07	Perchlorate		2050000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		18200	500	mg/l	10
	2711070173	I-X				
11/15/07	Chromium, Total, ICAP		20		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.1		Units	0.0010
11/09/07	Perchlorate		2520000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		14450	500	mg/l	10
	2711070174	I-Y				
11/13/07	Chromium, Total, ICAP		0.5		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.3		Units	0.0010
11/09/07	Perchlorate		3570000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		7350	500	mg/l	10
	2711070175	M-64				
11/13/07	Chromium, Total, ICAP		7.9		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/09/07	Perchlorate		844000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		8630	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2711070176	M-65				
	2711070176	M-65				
11/15/07	Chromium, Total, ICAP		35		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.2		Units	0.0010
11/09/07	Perchlorate		1500000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		12350	500	mg/l	10
	2711070177	M-66				
11/15/07	Chromium, Total, ICAP		34		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.2		Units	0.0010
11/09/07	Perchlorate		1860000		ug/l	400000
11/09/07	Total Dissolved Solid (TDS)		12850	500	mg/l	10
	2711070178	M-57A				
11/13/07	Chromium, Total, ICAP		0.084		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/09/07	Perchlorate		25000		ug/l	2000
11/09/07	Total Dissolved Solid (TDS)		3380	500	mg/l	10
	2711070179	M-99				
11/13/07	Chromium, Total, ICAP		0.43		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2711070179	M-99				
11/12/07	Perchlorate		447000		ug/l	100000
11/09/07	Total Dissolved Solid (TDS)		5136	500	mg/l	10
	2711070180	M-69				
11/13/07	Chromium, Total, ICAP		0.08		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/09/07	Perchlorate		381000		ug/l	100000
11/09/07	Total Dissolved Solid (TDS)		4252	500	mg/l	10
	2711070181	M-79				
11/13/07	Chromium, Total, ICAP		1.7		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/13/07	Perchlorate		481000		ug/l	40000
11/09/07	Total Dissolved Solid (TDS)		4580	500	mg/l	10
	2711070182	EB-1				
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		5.9		Units	0.0010
11/09/07	Perchlorate		94		ug/l	4.0
11/09/07	Total Dissolved Solid (TDS)		51	500	mg/l	10
	2711070183	I-O				
11/15/07	Chromium, Total, ICAP		31		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	

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	2711070183	I-O				
11/12/07	PH (H3=past HT, not compliant)		7.3		Units	0.0010
11/09/07	Perchlorate		1990000		ug/l	400000
11/09/07	Total Dissolved Solid (TDS)		16350	500	mg/l	10
	2711070186	I-P				
11/15/07	Chromium, Total, ICAP		30		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		6.9		Units	0.0010
11/09/07	Perchlorate		1960000		ug/l	400000
11/09/07	Total Dissolved Solid (TDS)		11400	500	mg/l	10
	2711070187	I-H				
11/15/07	Chromium, Total, ICAP		19		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.2		Units	0.0010
11/09/07	Perchlorate		1250000		ug/l	200000
12/10/07	Total Dissolved Solid (TDS)		7160	500	mg/l	10
	2711070188	I-U				
11/15/07	Chromium, Total, ICAP		32		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		6.8		Units	0.0010
11/09/07	Perchlorate		2100000		ug/l	400000
11/09/07	Total Dissolved Solid (TDS)		17500	500	mg/l	10
	2711070189	I-T				

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	2711070189	I-T				
11/15/07	Chromium, Total, ICAP		30		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.0		Units	0.0010
11/10/07	Perchlorate		2010000		ug/l	400000
11/09/07	Total Dissolved Solid (TDS)		20250	500	mg/l	10
	2711070190	I-Q				
11/15/07	Chromium, Total, ICAP		31		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.1		Units	0.0010
11/09/07	Perchlorate		1810000		ug/l	400000
11/09/07	Total Dissolved Solid (TDS)		16400	500	mg/l	10
	2711070191	I-F				
11/16/07	Chromium, Total, ICAP		27		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.2		Units	0.0010
11/09/07	Perchlorate		1500000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		16800	500	mg/l	10
	2711070192	I-N				
11/15/07	Chromium, Total, ICAP		15		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.2		Units	0.0010
11/09/07	Perchlorate		1630000		ug/l	400000
12/16/07	Total Dissolved Solid (TDS)		12200	500	mg/l	10

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2711070193	I-E				
	2711070193	I-E				
11/15/07	Chromium, Total, ICAP		13		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		6.7		Units	0.0010
11/09/07	Perchlorate		1040000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		7650	500	mg/l	10
	2711070194	I-M				
11/15/07	Chromium, Total, ICAP		11		mg/l	0.10
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/09/07	Perchlorate		922000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		9700	500	mg/l	10
	2711070195	I-D				
11/13/07	Chromium, Total, ICAP		9.5		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.1		Units	0.0010
11/09/07	Perchlorate		999000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		8250	500	mg/l	10
	2711070196	I-C				
11/13/07	Chromium, Total, ICAP		4.5		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.5		Units	0.0010

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2711070196	I-C				
11/09/07	Perchlorate		1160000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		8380	500	mg/l	10
	2711070197	I-S				
11/13/07	Chromium, Total, ICAP		2.8		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.3		Units	0.0010
11/09/07	Perchlorate		1060000		ug/l	200000
11/09/07	Total Dissolved Solid (TDS)		7030	500	mg/l	10
	2711070198	I-L				
11/13/07	Chromium, Total, ICAP		1.4		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/09/07	Perchlorate		1750000		ug/l	400000
12/16/07	Total Dissolved Solid (TDS)		7240	500	mg/l	10
	2711070199	I-R				
11/13/07	Chromium, Total, ICAP		0.59		mg/l	0.010
11/12/07	Metals digestion performed.		Y		Yes/No	
11/12/07	PH (H3=past HT, not compliant)		7.3		Units	0.0010
11/09/07	Perchlorate		3100000		ug/l	400000
11/09/07	Total Dissolved Solid (TDS)		8240	500	mg/l	10
	2711070200	I-B				
11/13/07	Chromium, Total, ICAP		0.33		mg/l	0.010

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07-nov-2007 14:37:35

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2711070200	I-B				
11/12/07			Metals digestion performed.	Y	Yes/No	
11/12/07			PH (H3=past HT, not compliant)	7.2	Units	0.0010
11/09/07			Perchlorate	1250000	ug/l	200000
11/09/07			Total Dissolved Solid (TDS)	5348	500 mg/l	10
	2711070201	I-AR				
11/13/07			Chromium, Total, ICAP	0.48	mg/l	0.010
11/12/07			Metals digestion performed.	Y	Yes/No	
11/12/07			PH (H3=past HT, not compliant)	7.3	Units	0.0010
11/09/07			Perchlorate	3320000	ug/l	400000
11/09/07			Total Dissolved Solid (TDS)	8600	500 mg/l	10



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Samples Received
11/07/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-W (2711070172)				Sampled on 11/06/07 10:39				
	11/09/07 00:14	396152	(EPA 314)	Perchlorate	2050000	ug/l	200000	50000
11/13/07	11/15/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	30	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18200	mg/l	10	1
I-X (2711070173)				Sampled on 11/06/07 11:40				
	11/09/07 00:14	396152	(EPA 314)	Perchlorate	2520000	ug/l	200000	50000
11/13/07	11/15/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	20	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.1	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	14450	mg/l	10	1
I-Y (2711070174)				Sampled on 11/06/07 12:50				
	11/09/07 00:14	396152	(EPA 314)	Perchlorate	3570000	ug/l	200000	50000
11/13/07	11/13/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	0.5	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7350	mg/l	10	1
M-64 (2711070175)				Sampled on 11/06/07 07:25				
	11/09/07 00:14	396152	(EPA 314)	Perchlorate	844000	ug/l	200000	50000
11/13/07	11/13/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	7.9	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8630	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-65 (2711070176) Sampled on 11/06/07 07:49								
	11/09/07 00:14	396152	(EPA 314)	Perchlorate	1500000	ug/l	200000	50000
11/13/07	11/15/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	35	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12350	mg/l	10	1
M-66 (2711070177) Sampled on 11/06/07 08:12								
	11/09/07 00:14	396152	(EPA 314)	Perchlorate	1860000	ug/l	400000	100000
11/13/07	11/15/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	34	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12850	mg/l	10	1
M-57A (2711070178) Sampled on 11/06/07 08:42								
	11/09/07 00:14	396152	(EPA 314)	Perchlorate	25000	ug/l	2000	500
11/13/07	11/13/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	0.084	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3380	mg/l	10	1
M-99 (2711070179) Sampled on 11/06/07 09:06								
	11/12/07 11:34	396849	(EPA 314)	Perchlorate	447000	ug/l	100000	25000
11/13/07	11/13/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	0.43	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5136	mg/l	10	1
M-69 (2711070180) Sampled on 11/06/07 09:28								
	11/09/07 00:14	396152	(EPA 314)	Perchlorate	381000	ug/l	100000	25000
11/13/07	11/13/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	0.08	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4252	mg/l	10	1



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Tronox LLC - Henderson
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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-79 (2711070181)		Sampled on 11/06/07 09:44						
	11/13/07 10:43	397146	(EPA 314)	Perchlorate	481000	ug/l	40000	10000
11/13/07	11/13/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	1.7	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4580	mg/l	10	1
EB-1 (2711070182)		Sampled on 11/06/07 08:21						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	94	ug/l	4.0	1
11/13/07	11/13/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	11/08/07 09:52	396132	(ML/EPS 7196)	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	5.9	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	51	mg/l	10	1
I-O (2711070183)		Sampled on 11/06/07 05:04						
	11/09/07 00:14	396152	(EPA 314)	Perchlorate	1990000	ug/l	400000	100000
11/13/07	11/15/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	31	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16350	mg/l	10	1
I-P (2711070186)		Sampled on 11/06/07 06:45						
	11/09/07 00:14	396152	(EPA 314)	Perchlorate	1960000	ug/l	400000	100000
11/13/07	11/15/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	30	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.9	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	11400	mg/l	10	1



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Tronox LLC - Henderson
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-H (2711070187)		Sampled on 11/06/07 05:09						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	1250000	ug/l	200000	50000
11/13/07	11/15/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	19	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
12/10/07	12/10/07 14:40	403296	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7160 (HA)	mg/l	10	1
I-U (2711070188)		Sampled on 11/06/07 05:16						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	2100000	ug/l	400000	100000
11/13/07	11/15/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	32	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.8	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	17500	mg/l	10	1
I-T (2711070189)		Sampled on 11/06/07 05:12						
	11/10/07 00:15	396621	(EPA 314)	Perchlorate	2010000	ug/l	400000	100000
11/13/07	11/15/07 00:00	397182	(ML/EPA 6010B)	Chromium, Total, ICAP	30	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.0	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	20250	mg/l	10	1
I-Q (2711070190)		Sampled on 11/06/07 05:22						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	1810000	ug/l	400000	100000
11/13/07	11/15/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	31	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.1	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16400	mg/l	10	1
I-F (2711070191)		Sampled on 11/06/07 05:26						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	1500000	ug/l	200000	50000
11/15/07	11/16/07 00:00	398039	(ML/EPA 6010B)	Chromium, Total, ICAP	27	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16800	mg/l	10	1



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Tronox LLC - Henderson (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-N (2711070192)		Sampled on 11/06/07 05:30						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	1630000	ug/l	400000	100000
11/13/07	11/15/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	15	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
12/16/07	12/16/07 14:00	403490	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12200 (HA)	mg/l	10	1
I-E (2711070193)		Sampled on 11/06/07 05:33						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	1040000	ug/l	200000	50000
11/13/07	11/15/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 13:23	396626	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.7	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7650	mg/l	10	1
I-M (2711070194)		Sampled on 11/06/07 05:37						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	922000	ug/l	200000	50000
11/13/07	11/15/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	11	mg/l	0.10	10
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 15:26	397102	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9700	mg/l	10	1
I-D (2711070195)		Sampled on 11/06/07 05:46						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	999000	ug/l	200000	50000
11/13/07	11/13/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	9.5	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 15:26	397102	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.1	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8250	mg/l	10	1
I-C (2711070196)		Sampled on 11/06/07 05:49						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	1160000	ug/l	200000	50000
11/13/07	11/13/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	4.5	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 15:26	397102	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8380	mg/l	10	1



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Tronox LLC - Henderson (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-S (2711070197)		Sampled on 11/06/07 05:53						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	1060000	ug/l	200000	50000
11/13/07	11/13/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	2.8	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 15:26	397102	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/09/07	11/09/07 14:00	396886	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7030	mg/l	10	1
I-L (2711070198)		Sampled on 11/06/07 05:57						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	1750000	ug/l	400000	100000
11/13/07	11/13/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	1.4	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 15:26	397102	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
12/16/07	12/16/07 14:00	403490	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7240 (HA)	mg/l	10	1
I-R (2711070199)		Sampled on 11/06/07 05:59						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	3100000	ug/l	400000	100000
11/13/07	11/13/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	0.59	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 15:26	397102	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8240	mg/l	10	1
I-B (2711070200)		Sampled on 11/06/07 06:04						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	1250000	ug/l	200000	50000
11/13/07	11/13/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	0.33	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 15:26	397102	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5348	mg/l	10	1
I-AR (2711070201)		Sampled on 11/06/07 06:10						
	11/09/07 08:49	396619	(EPA 314)	Perchlorate	3320000	ug/l	400000	100000
11/13/07	11/13/07 00:00	397181	(ML/EPA 6010B)	Chromium, Total, ICAP	0.48	mg/l	0.010	1
	11/12/07 17:45		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/07 15:26	397102	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/09/07	11/09/07 12:00	396889	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8600	mg/l	10	1



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QC Summary
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Tronox LLC - Henderson

QC Ref #0

- Metals Turbidity

Analysis Date: 11/09/2007

2711070172	I-W	Analyzed by: jrf
2711070172	I-W	Analyzed by: jrf
2711070173	I-X	Analyzed by: jrf
2711070173	I-X	Analyzed by: jrf
2711070174	I-Y	Analyzed by: jrf
2711070174	I-Y	Analyzed by: jrf
2711070175	M-64	Analyzed by: jrf
2711070175	M-64	Analyzed by: jrf
2711070176	M-65	Analyzed by: jrf
2711070176	M-65	Analyzed by: jrf
2711070177	M-66	Analyzed by: jrf
2711070177	M-66	Analyzed by: jrf
2711070178	M-57A	Analyzed by: jrf
2711070178	M-57A	Analyzed by: jrf
2711070179	M-99	Analyzed by: jrf
2711070179	M-99	Analyzed by: jrf
2711070180	M-69	Analyzed by: jrf
2711070180	M-69	Analyzed by: jrf
2711070181	M-79	Analyzed by: jrf
2711070181	M-79	Analyzed by: jrf
2711070182	EB-1	Analyzed by: jrf
2711070182	EB-1	Analyzed by: jrf
2711070183	I-O	Analyzed by: jrf
2711070183	I-O	Analyzed by: jrf
2711070186	I-P	Analyzed by: jrf
2711070186	I-P	Analyzed by: jrf
2711070187	I-H	Analyzed by: jrf
2711070187	I-H	Analyzed by: jrf
2711070188	I-U	Analyzed by: jrf
2711070188	I-U	Analyzed by: jrf
2711070189	I-T	Analyzed by: jrf
2711070189	I-T	Analyzed by: jrf
2711070190	I-Q	Analyzed by: jrf
2711070190	I-Q	Analyzed by: jrf
2711070191	I-F	Analyzed by: jrf
2711070191	I-F	Analyzed by: jrf
2711070192	I-N	Analyzed by: jrf
2711070192	I-N	Analyzed by: jrf
2711070193	I-E	Analyzed by: jrf
2711070193	I-E	Analyzed by: jrf
2711070194	I-M	Analyzed by: jrf
2711070194	I-M	Analyzed by: jrf
2711070195	I-D	Analyzed by: jrf



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2711070195	I-D	Analyzed by: jrf
2711070196	I-C	Analyzed by: jrf
2711070196	I-C	Analyzed by: jrf
2711070197	I-S	Analyzed by: jrf
2711070197	I-S	Analyzed by: jrf
2711070198	I-L	Analyzed by: jrf
2711070198	I-L	Analyzed by: jrf
2711070199	I-R	Analyzed by: jrf
2711070199	I-R	Analyzed by: jrf
2711070200	I-B	Analyzed by: jrf
2711070200	I-B	Analyzed by: jrf
2711070201	I-AR	Analyzed by: jrf
2711070201	I-AR	Analyzed by: jrf

QC Ref #396132 - Hexavalent chromium (Cr VI) Analysis Date: 11/08/2007

2711070182	EB-1	Analyzed by: wbh
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QC Ref #396152 - Perchlorate Analysis Date: 11/09/2007

2711070172	I-W	Analyzed by: clv
2711070173	I-X	Analyzed by: clv
2711070174	I-Y	Analyzed by: clv
2711070175	M-64	Analyzed by: clv
2711070176	M-65	Analyzed by: clv
2711070177	M-66	Analyzed by: clv
2711070178	M-57A	Analyzed by: clv
2711070180	M-69	Analyzed by: clv
2711070183	I-O	Analyzed by: clv
2711070186	I-P	Analyzed by: clv

QC Ref #396619 - Perchlorate Analysis Date: 11/09/2007

2711070182	EB-1	Analyzed by: clv
2711070187	I-H	Analyzed by: clv
2711070188	I-U	Analyzed by: clv
2711070190	I-Q	Analyzed by: clv
2711070191	I-F	Analyzed by: clv
2711070192	I-N	Analyzed by: clv
2711070193	I-E	Analyzed by: clv
2711070194	I-M	Analyzed by: clv



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2711070195	I-D	Analyzed by: clv
2711070196	I-C	Analyzed by: clv
2711070197	I-S	Analyzed by: clv
2711070198	I-L	Analyzed by: clv
2711070199	I-R	Analyzed by: clv
2711070200	I-B	Analyzed by: clv
2711070201	I-AR	Analyzed by: clv

QC Ref #396621 - Perchlorate

Analysis Date: 11/10/2007

2711070189	I-T	Analyzed by: clv
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QC Ref #396626 - PH (H3=past HT, not compliant) Analysis Date: 11/12/2007

2711070172	I-W	Analyzed by: yvette
2711070173	I-X	Analyzed by: yvette
2711070174	I-Y	Analyzed by: yvette
2711070175	M-64	Analyzed by: yvette
2711070176	M-65	Analyzed by: yvette
2711070177	M-66	Analyzed by: yvette
2711070178	M-57A	Analyzed by: yvette
2711070179	M-99	Analyzed by: yvette
2711070180	M-69	Analyzed by: yvette
2711070181	M-79	Analyzed by: yvette
2711070182	EB-1	Analyzed by: yvette
2711070183	I-O	Analyzed by: yvette
2711070186	I-P	Analyzed by: yvette
2711070187	I-H	Analyzed by: yvette
2711070188	I-U	Analyzed by: yvette
2711070189	I-T	Analyzed by: yvette
2711070190	I-Q	Analyzed by: yvette
2711070191	I-F	Analyzed by: yvette
2711070192	I-N	Analyzed by: yvette
2711070193	I-E	Analyzed by: yvette

QC Ref #396849 - Perchlorate

Analysis Date: 11/12/2007

2711070179	M-99	Analyzed by: clv
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QC Ref #396886 - Total Dissolved Solid (TDS) Analysis Date: 11/09/2007

2711070183	I-O	Analyzed by: axa
2711070186	I-P	Analyzed by: axa
2711070188	I-U	Analyzed by: axa
2711070189	I-T	Analyzed by: axa
2711070190	I-Q	Analyzed by: axa
2711070191	I-F	Analyzed by: axa
2711070193	I-E	Analyzed by: axa
2711070194	I-M	Analyzed by: axa
2711070195	I-D	Analyzed by: axa
2711070196	I-C	Analyzed by: axa
2711070197	I-S	Analyzed by: axa

QC Ref #396889 - Total Dissolved Solid (TDS) Analysis Date: 11/09/2007

2711070172	I-W	Analyzed by: axa
2711070173	I-X	Analyzed by: axa
2711070174	I-Y	Analyzed by: axa
2711070175	M-64	Analyzed by: axa
2711070176	M-65	Analyzed by: axa
2711070177	M-66	Analyzed by: axa
2711070178	M-57A	Analyzed by: axa
2711070179	M-99	Analyzed by: axa
2711070180	M-69	Analyzed by: axa
2711070181	M-79	Analyzed by: axa
2711070182	EB-1	Analyzed by: axa
2711070199	I-R	Analyzed by: axa
2711070200	I-B	Analyzed by: axa
2711070201	I-AR	Analyzed by: axa

QC Ref #397102 - PH (H3=past HT, not compliant) Analysis Date: 11/12/2007

2711070194	I-M	Analyzed by: yvette
2711070195	I-D	Analyzed by: yvette
2711070196	I-C	Analyzed by: yvette
2711070197	I-S	Analyzed by: yvette
2711070198	I-L	Analyzed by: yvette
2711070199	I-R	Analyzed by: yvette
2711070200	I-B	Analyzed by: yvette



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2711070201 I-AR Analyzed by: yvette

QC Ref #397146 - Perchlorate

Analysis Date: 11/13/2007

2711070181 M-79 Analyzed by: clv

QC Ref #397181 - Chromium, Total, ICAP

Analysis Date: 11/15/2007

2711070190	I-Q	Analyzed by: ste
2711070192	I-N	Analyzed by: ste
2711070193	I-E	Analyzed by: ste
2711070194	I-M	Analyzed by: ste
2711070195	I-D	Analyzed by: ste
2711070196	I-C	Analyzed by: ste
2711070197	I-S	Analyzed by: ste
2711070198	I-L	Analyzed by: ste
2711070199	I-R	Analyzed by: ste
2711070200	I-B	Analyzed by: ste
2711070201	I-AR	Analyzed by: ste

QC Ref #397182 - Chromium, Total, ICAP

Analysis Date: 11/15/2007

2711070172	I-W	Analyzed by: ste
2711070173	I-X	Analyzed by: ste
2711070174	I-Y	Analyzed by: ste
2711070175	M-64	Analyzed by: ste
2711070176	M-65	Analyzed by: ste
2711070177	M-66	Analyzed by: ste
2711070178	M-57A	Analyzed by: ste
2711070179	M-99	Analyzed by: ste
2711070180	M-69	Analyzed by: ste
2711070181	M-79	Analyzed by: ste
2711070182	EB-1	Analyzed by: ste
2711070183	I-O	Analyzed by: ste
2711070186	I-P	Analyzed by: ste
2711070187	I-H	Analyzed by: ste
2711070188	I-U	Analyzed by: ste
2711070189	I-T	Analyzed by: ste



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QC Ref #398039	- Chromium, Total, ICAP	Analysis Date: 11/16/2007
2711070191	I-F	Analyzed by: ste
QC Ref #403296	- Total Dissolved Solid (TDS)	Analysis Date: 12/10/2007
2711070187	I-H	Analyzed by: axa
QC Ref #403490	- Total Dissolved Solid (TDS)	Analysis Date: 12/16/2007
2711070192	I-N	Analyzed by: axa
2711070198	I-L	Analyzed by: axa

Tronox LLC - Henderson

QC Ref #396132 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKEMP	Spiked sample	Lab # 27	11080021	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.051	MGL	102.0	(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	0.044	MGL	88.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.046	MGL	92.0	(70-130)	

QC Ref #396152 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	11060967	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.2	UGL	108.8	(85-115)	
LCS2	Perchlorate	25.0	27.3	UGL	109.2	(85-115)	
LCS3	Perchlorate	4	4.77	UGL	119.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	17.3	UGL	<u>69.2</u>	(80-120)	
MSD	Perchlorate	25.0	18.6	UGL	<u>74.4</u>	(80-120)	
RPD_LCS	Perchlorate	108.800	109.200	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	69.200	74.400	UGL	1.1	(0-15)	

QC Ref #396619 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	11070467	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.1	UGL	108.4	(85-115)	
LCS2	Perchlorate	25.0	26.9	UGL	107.6	(85-115)	
LCS3	Perchlorate	4	4.71	UGL	117.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.9	UGL	95.6	(80-120)	
MSD	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	

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RPD_LCS	Perchlorate	108.400	107.600	UGL	0.7	(0-15)
RPD_MS	Perchlorate	95.600	96.000	UGL	1.0	(0-15)

QC Ref #396621 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	11080542	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.2	UGL	108.8	(85-115)	
LCS2	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS3	Perchlorate	4	4.08	UGL	102.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.0	UGL	88.0	(80-120)	
MSD	Perchlorate	25.0	22.9	UGL	91.6	(80-120)	
RPD_LCS	Perchlorate	108.800	106.400	UGL	2.2	(0-15)	
RPD_MS	Perchlorate	88.000	91.600	UGL	1.0	(0-15)	

QC Ref #396626 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.57	7.55	UNIT		(0-20)	0.3

QC Ref #396849 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	11070182	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.1	UGL	108.4	(85-115)	
LCS2	Perchlorate	25.0	26.9	UGL	107.6	(85-115)	
LCS3	Perchlorate	4	4.11	UGL	102.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.5	UGL	98.0	(80-120)	
MSD	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
RPD_LCS	Perchlorate	108.400	107.600	UGL	0.7	(0-15)	
RPD_MS	Perchlorate	98.000	96.000	UGL	1.0	(0-15)	

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QC Ref #396886 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11070012	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	32	33	MGL		(0-10)	3.1
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	666	MGL	95.1	(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)	100.571	95.143	MGL	5.5	(0-20)	

QC Ref #396889 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11070199	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	8240	8230	MGL		(0-10)	0.1
LCS1	Total Dissolved Solid (TDS)	175	184	MGL	105.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	718	MGL	102.6	(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)	105.143	102.571	MGL	2.5	(0-20)	

QC Ref #397102 PH (H3=past HT, not compliant)

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

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QC Ref #397146

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	11080021	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.3	UGL	109.2	(85-115)	
LCS2	Perchlorate	25.0	26.9	UGL	107.6	(85-115)	
LCS3	Perchlorate	4	4.11	UGL	102.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.8	UGL	99.2	(80-120)	
MSD	Perchlorate	25.0	25.1	UGL	100.4	(80-120)	
RPD_LCS	Perchlorate	109.200	107.600	UGL	1.5	(0-15)	
RPD_MS	Perchlorate	99.200	100.400	UGL	1.0	(0-15)	

QC Ref #397181

Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.961	MGL	96.1	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.956	MGL	95.6	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.010	MGL	100.0	(50-150)	
MS2	Chromium, Total, ICAP	1.00	0.973	MGL	97.3	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.971	MGL	97.1	(70-130)	

QC Ref #397182

Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.998	MGL	99.8	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.010	MGL	100.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(70-130)	

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MSD	Chromium, Total, ICAP	1.00	0.980	MGL	98.0	(70-130)
MSD2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)

QC Ref #398039 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.951	MGL	95.1	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.934	MGL	93.4	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.009	MGL	90.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.851	MGL	85.1	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.979	MGL	97.9	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.887	MGL	88.7	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.983	MGL	98.3	(70-130)	

QC Ref #403296 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11090533	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	394	406	MGL		(0-10)	3.0
LCS1	Total Dissolved Solid (TDS)	175	152	MGL	86.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	684	MGL	97.7	(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)	86.857	97.714	MGL	11.8	(0-20)	

QC Ref #403490 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	11090130	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	3420	3420	MGL		(0-10)	0.0
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	710	MGL	101.4	(80-114)	

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MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL		
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	101.714	101.429	MGL	0.3	(0-20)

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