



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)

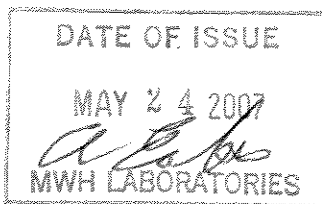
Laboratory Report

for

Tronox LLC Henderson Plant
P.O. Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager



Report#: 203590
Project: CLO4
PO#: SMC-06109901

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 17 page[s].



ENSR International
1220 Avenida Acaso
Camarillo, CA 93012-8738
Phone (805) 368-3775
Fax (805) 388-3577

ANALYTICAL LAB:

MWH Laboratories
Menlo Vista, CA 91016
(626) 386-1100

SITE Hanford DATE 5-3-07 PAGE 2 OF 2

203590
Gonzalez

CLIENT		ANALYTICAL METHODS				ANALYTICAL METHODS					TURN-AROUND TIME			
PROJECT NAME: CLO4		8260B / 5035 Volatile Organics	CAM 17 Metals	CLO4	TDS	CR6010	CLO39056	N039056						
PROJECT MANAGER: Susan Crowley		8260B BTEX / MTBE / Oxygenates	8081A Pesticides	X	X	X	X	X						
JOB #: 04020-023-115		8015 Diesel / Gasoline / Full Range		X	X									
COELT LOG CODE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>														
SAMPLER SIGNATURE <i>[Signature]</i>														
LINE ITEM	SAMPLE NO.	DATE	TIME	MATRIX TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	TURN-AROUND TIME	OBSERVATIONS/ COMMENTS						
1.	PC40	5-3-07	0715	WP	P	3	3	SIDET HOLD						
2.	FB050307	5-3-07	0730	WP	P	5	5	TIME ON NITRATE						
3.	H48	5-3-07	0750	WP	P	2	2	SAMPLES						
4.	PC73	5-3-07	0825	WP	P	5	5							
5.	MC65	5-3-07	0845	WP	P	2	2							
6.	MC95	5-3-07	0920	WP	P	2	2							
7.	MC97	5-3-07	0945	WP	P	2	2							
8.	MC29	5-3-07	1000	WP	P	2	2							
9.	MC3	5-3-07	1020	WP	P	2	2							
10.	MC7	5-3-07	1040	WP	P	2	2							

MATRIX TYPE: S - Soil W - Water O - Other

CONTAINER TYPE: G - Glass Bottle P - Plastic O - Other

TEMPERATURE BLANK: YES NO

EACH COOLER: YES NO

PRESERVATIVES: All samples are preserved on ice. Water samples are preserved as indicated on the sample labels.

RELINQUISHED BY: <i>[Signature]</i>	SIGNATURE	ENSR International	DATE	TIME	TOTAL NUMBER OF CONTAINERS:
RECEIVED BY: <i>[Signature]</i>	SIGNATURE	COMPANY	DATE	TIME	METHOD OF SHIPMENT <u>FED EX</u>
RELINQUISHED BY:	SIGNATURE	COMPANY	DATE	TIME	SPECIAL SHIPMENT/HANDLING/STORAGE REQUIREMENTS:
RECEIVED BY:	SIGNATURE	COMPANY	DATE	TIME	

DISTRIBUTION: White and Canary = Laboratory Pink = ENSR International

Serial No. 4702 **SCANNED**

COC # 050307-1

60 on one

ANALYTICAL LAB: MWH-Laboratories Monrovia, CA 91016 (626) 386-1100 5-3-07 Henderson 2 OF 2

ENSR International
1220 Avenida Acaso
Camarillo, CA 93012-8738
Phone (805) 388-3775
Fax (805) 388-3577



CLIENT <u>Trenex</u>			ANALYTICAL METHODS										TURN-AROUND TIME				
LINE ITEM	SAMPLE NO.	DATE	TIME	8260B / 5035 Volatile Organics	8260B BTEX / MTBE / Oxygenates	8015 Diesel / Gasoline / Full Range	8081A Pesticides	CAM 17 Metals	CLO4	TDS	CR6010	CLO39056	N039056	MATRIX TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	OBSERVATIONS/ COMMENTS
1.	MC6	5-3-07	1115					X	X	X				WP 2	2		SHORT HOLD TIME
2.	MC51		1140					X	X	X				WP 2	2		ON NITRATE SAMPLES
3.	MC50		1155					X	X	X				WP 2	2		
4.	MC69		1400					X	X	X				WP 2	2		
5.	MC53		1415					X	X	X				WP 3	3		
6.	MC53D		—					X	X	X				WP 3	3		
7.	H11		1445					X	X	X				WP 2	2		
8.	m29		1530					X	X	X				WP 5	5		
9.	m61		1550					X	X	X				WP 3	3		
10.	E050307		1605					X	X	X				WP 5	5		

MATRIX S - Soil CONTAINER G - Glass Bottle
TYPE: W - Water P - Plastic
O - Other O - Other

RELINQUISHED BY: JOE DIEMER SIGNATURE: [Signature]
RECEIVED BY: [Signature] SIGNATURE: [Signature]

RELINQUISHED BY: [Signature] SIGNATURE: [Signature]
RECEIVED BY: [Signature] SIGNATURE: [Signature]

TEMPERATURE BLANK YES NO
EACH COOLER

ENSR International
COMPANY: ENSR International
DATE: 5-4-07 TIME: 16:05

TOTAL NUMBER OF CONTAINERS: 20
METHOD OF SHIPMENT: FED EX
SPECIAL SHIPMENT/HANDLING/STORAGE REQUIREMENTS: SCANNED

DISTRIBUTION: White and Canary = Laboratory Pink = ENSR International
COC # 050307-2 Serial No. 1100



MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Drive Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Kerr McGee Henderson Plant

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

Client Code KERRMCGEE-NV
Project Code CLO4 SC-1
PO# / Job#

BO# 40260

Sampler: please return this paper with your samples

Created by AND

Order Date **04/23/07**
Date Needed by Client **04/27/07**
Date Samples to Arrive at MWL **05/02/07**

Ship Sample Kits to
Ironox LLC - attn: Brian Ho
8000 West Lake Mead Drive
Henderson, NV 89015

Send Report to
Kerr McGee Henderson Plant
P.O. Box 55
Henderson, NV 89009

Billing Address

Kerr McGee Henderson Plant
P.O. Box 55
Henderson, NV 89009

ATTN: Susan Crowley/Brian Ho
PHONE: 702-651-2234

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

UN DOT #

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

of Samples Tests

# of Samples	Tests	Qteline#	Bottles-Qty for each sample, type & preservative if any	UN DOT #	Comments
87	CLO4		1 125ml poly /no preservative		SHIPPING - SEND in 3 ICE CHESTS - NO BLUE ICE. Please be sure coolers have Brian Ho's name on them. ENSR - please be sure COC identifies these to be on the KerrMcGee-NV account 53 bottles for total chromium; 87 bottles for perchlorate & TDS; and 18 bottles for chlorate & nitrate.
53	CR6010		1 125ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	
87	TDS		1 250 ml poly/ no preservative		
18	CLO39056		1 60ml poly+0.60 mL 5% EDA sol'n	UN 1604	
18	NO39056		1 125ml poly/ no preservative SHORT HOLDING TIME!!!!		



Code Status Date Shipped Via Tracking # # of Coolers Prepared By

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC Henderson Plant
 P.O. Box 55
 Henderson, NV 89009
 Attn: Susan Crowley
 Phone: (702) 651-2234

Customer Code: KERRMCGEE-NV
 PO#: SMC-06109901
 Group#: 203590
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **05/04/07**. 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
2705040313	PC40	CLO4 CR6010	Water	03-may-2007 07:15:00
2705040314	FB060307	CLO39056 CLO4 CR6010 NO39056	Water	03-may-2007 07:30:00
2705040315	H48	CLO4 TDS	Water	03-may-2007 07:50:00
2705040316	PC73	CLO39056 CLO4 CR6010 NO39056	Water	03-may-2007 08:25:00
2705040317	MC65	CLO4 TDS	Water	03-may-2007 08:45:00
2705040318	MC93	CLO4 TDS	Water	03-may-2007 09:20:00
2705040319	MC97	CLO4 TDS	Water	03-may-2007 09:45:00
2705040320	MC29	CLO4 TDS	Water	03-may-2007 10:00:00
2705040321	MC3	CLO4 TDS	Water	03-may-2007 10:20:00
2705040322	MC7	CLO4 TDS	Water	03-may-2007 10:40:00
2705040323	MC6	CLO4 TDS	Water	03-may-2007 11:15:00
2705040324	MC51	CLO4 TDS	Water	03-may-2007 11:40:00
2705040325	MC50	CLO4 TDS	Water	03-may-2007 11:55:00
2705040326	MC69	CLO4 TDS	Water	03-may-2007 14:00:00
2705040327	MC53	CLO4 CR6010	Water	03-may-2007 14:15:00
2705040328	MC53D	CLO4 CR6010	Water	03-may-2007 00:00:00

Tronox LLC Henderson Plant
P.O. Box 55
Henderson, NV 89009
Attn: Susan Crowley
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PO#: SMC-06109901
Group#: 203590
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2705040329	H11	CLO4 TDS	Water	03-may-2007 14:45:00
2705040330	M29	CLO39056 CLO4 TDS	Water CR6010	03-may-2007 15:30:00 NO39056 P T
2705040331	M61	CLO4 CR6010	Water P T	03-may-2007 15:50:00 TDS
2705040332	EB050307	CLO39056 CLO4 TDS	Water CR6010	03-may-2007 16:05:00 NO39056 P T

Test Acronym Description

Test Acronym	Description
CLO39056	Chlorate by IC
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
NO39056	Nitrate as Nitrogen by IC
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)



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Report
Comments
#203590

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.

Client Signature: _____

Group Comments

(CLO4) MSD recovery on sample 2705040340 is not available due to mis-injection. Batch data acceptable based on passing LCSs and MS.

(NO39056) MS recovery could not be calculated due to misinjection. Batch data acceptable based on passing MSD and LCSs. Batch precision can be assessed from LCS1/LCS2.

(QC Ref#: 2705040314)

Test: Nitrate as Nitrogen by IC (ML/EPA 9056)

EA-Concentration estimated. Analyte was detected below laboratory minimum reporting limit but above laboratory method detection limit.

Test: Total Dissolved Solid (TDS) (SM 2540C)

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



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Laboratory
Hits Report
#203590

Tronox LLC Henderson Plant
Susan Crowley
P.O. Box 55
Henderson , NV 89009

Samples Received
04-may-2007 18:20:24

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705040313	PC40				
05/09/07		Chromium, Total, ICAP	0.046		mg/l	0.020
05/08/07		Metals digestion performed.	Y		Yes/No	
05/11/07		Perchlorate	26600		ug/l	2000
05/10/07		Total Dissolved Solid (TDS)	10100	500	mg/l	10
	2705040314	FB060307				
05/08/07		Metals digestion performed.	Y		Yes/No	
05/04/07		Nitrate as Nitrogen by IC	0.10		mg/l	0.050
05/14/07		Total Dissolved Solid (TDS)	104	500	mg/l	10
	2705040315	H48				
05/12/07		Perchlorate	177		ug/l	10
05/10/07		Total Dissolved Solid (TDS)	10300	500	mg/l	10
	2705040316	PC73				
05/08/07		Chlorate by IC	281000		ug/l	10000
05/09/07		Chromium, Total, ICAP	0.27		mg/l	0.020
05/08/07		Metals digestion performed.	Y		Yes/No	
05/04/07		Nitrate as Nitrogen by IC	45.7		mg/l	5.0
05/11/07		Perchlorate	438000		ug/l	40000
05/10/07		Total Dissolved Solid (TDS)	6490	500	mg/l	10
	2705040317	MC65				
05/11/07		Perchlorate	291000		ug/l	20000
05/10/07		Total Dissolved Solid (TDS)	8650	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Hits Report
#203590

Tronox LLC Henderson Plant
Susan Crowley
P.O. Box 55
Henderson , NV 89009

Samples Received
04-may-2007 18:20:24

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705040318	MC93				
	2705040318	MC93				
05/11/07	Perchlorate		13000		ug/l	4000
05/10/07	Total Dissolved Solid (TDS)		6800	500	mg/l	10
	2705040319	MC97				
05/11/07	Perchlorate		8370		ug/l	400
05/10/07	Total Dissolved Solid (TDS)		8100	500	mg/l	10
	2705040320	MC29				
05/14/07	Perchlorate		1890		ug/l	200
05/10/07	Total Dissolved Solid (TDS)		17100	500	mg/l	10
	2705040321	MC3				
05/12/07	Perchlorate		1440		ug/l	400
05/10/07	Total Dissolved Solid (TDS)		20800	500	mg/l	10
	2705040322	MC7				
05/14/07	Perchlorate		10300		ug/l	4000
05/10/07	Total Dissolved Solid (TDS)		14100	500	mg/l	10
	2705040323	MC6				
05/12/07	Perchlorate		7730		ug/l	400
05/10/07	Total Dissolved Solid (TDS)		10000	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
#203590

Tronox LLC Henderson Plant
Susan Crowley
P.O. Box 55
Henderson , NV 89009

Samples Received
04-may-2007 18:20:24

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705040323	MC6				
	2705040324	MC51				
05/12/07	Perchlorate		7610		ug/l	400
05/10/07	Total Dissolved Solid (TDS)		9750	500	mg/l	10
	2705040325	MC50				
05/12/07	Perchlorate		6900		ug/l	400
05/10/07	Total Dissolved Solid (TDS)		10150	500	mg/l	10
	2705040326	MC69				
05/12/07	Perchlorate		3660		ug/l	400
05/10/07	Total Dissolved Solid (TDS)		9950	500	mg/l	10
	2705040327	MC53				
05/08/07	Metals digestion performed.		Y		Yes/No	
05/12/07	Perchlorate		5130		ug/l	400
05/10/07	Total Dissolved Solid (TDS)		9550	500	mg/l	10
	2705040328	MC53D				
05/08/07	Metals digestion performed.		Y		Yes/No	
05/12/07	Perchlorate		5300		ug/l	400
05/10/07	Total Dissolved Solid (TDS)		10800	500	mg/l	10
	2705040329	H11				

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Hits Report
#203590

Tronox LLC Henderson Plant
Susan Crowley
P.O. Box 55
Henderson , NV 89009

Samples Received
04-may-2007 18:20:24

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705040329	H11				
05/10/07	Total Dissolved Solid (TDS)		990	500	mg/l	10
	2705040330	M29				
05/08/07	Chlorate by IC		3010		ug/l	50
05/09/07	Chromium, Total, ICAP		0.041		mg/l	0.020
05/08/07	Metals digestion performed.		Y		Yes/No	
05/04/07	Nitrate as Nitrogen by IC		4.33		mg/l	1.0
05/12/07	Perchlorate		1880		mg/l	400
05/10/07	Total Dissolved Solid (TDS)		4970	500	mg/l	10
	2705040331	M61				
05/09/07	Chromium, Total, ICAP		1.2		mg/l	0.020
05/08/07	Metals digestion performed.		Y		Yes/No	
05/14/07	Perchlorate		72000		ug/l	4000
05/10/07	Total Dissolved Solid (TDS)		5680	500	mg/l	10
	2705040332	EB050307				
05/10/07	Metals digestion performed.		Y		Yes/No	
05/10/07	Total Dissolved Solid (TDS)		29	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Data Report
#203590

Tronox LLC Henderson Plant
Susan Crowley
P.O. Box 55
Henderson , NV 89009

Samples Received
05/04/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC40 (2705040313) Sampled on 05/03/07 07:15								
	05/11/07 00:00	366327	(EPA 314)	Perchlorate	26600	ug/l	2000	500
	05/09/07 00:00	365633	(ML/EPA 6010B)	Chromium, Total, ICAP	0.046	mg/l	0.020	2
	05/08/07 17:07		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	10100	mg/l	10	1
FB060307 (2705040314) Sampled on 05/03/07 07:30								
	05/08/07 00:00	365706	(ML/EPA 9056)	Chlorate by IC	ND	ug/l	20	2
	05/11/07 00:01	366328	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
	05/09/07 00:00	365633	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/04/07 18:46	366024	(ML/EPA 9056)	Nitrate as Nitrogen by IC	0.10(EA)	mg/l	0.050	1
05/10/07	05/14/07 23:00	366816	(SM 2540C)	Total Dissolved Solid (TDS)	104(HA)	mg/l	10	1
H48 (2705040315) Sampled on 05/03/07 07:50								
	05/12/07 00:00	366329	(EPA 314)	Perchlorate	177	ug/l	10	5
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	10300	mg/l	10	1
PC73 (2705040316) Sampled on 05/03/07 08:25								
	05/08/07 00:00	365706	(ML/EPA 9056)	Chlorate by IC	281000	ug/l	10000	1000
	05/11/07 00:00	366327	(EPA 314)	Perchlorate	438000	ug/l	40000	10000
	05/09/07 00:00	365633	(ML/EPA 6010B)	Chromium, Total, ICAP	0.27	mg/l	0.020	2
	05/08/07 17:07		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/04/07 18:33	366024	(ML/EPA 9056)	Nitrate as Nitrogen by IC	45.7	mg/l	5.0	50
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	6490	mg/l	10	1
MC65 (2705040317) Sampled on 05/03/07 08:45								
	05/11/07 00:00	366327	(EPA 314)	Perchlorate	291000	ug/l	20000	5000
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	8650	mg/l	10	1



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Laboratory
Data Report
#203590

Tronox LLC Henderson Plant (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MC93 (2705040318)				Sampled on 05/03/07 09:20				
	05/11/07 00:00	366327	(EPA 314)	Perchlorate	13000	ug/l	4000	1000
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	6800	mg/l	10	1
MC97 (2705040319)				Sampled on 05/03/07 09:45				
	05/11/07 00:00	366327	(EPA 314)	Perchlorate	8370	ug/l	400	100
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	8100	mg/l	10	1
MC29 (2705040320)				Sampled on 05/03/07 10:00				
	05/14/07 00:00	366634	(EPA 314)	Perchlorate	1890	ug/l	200	50
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	17100	mg/l	10	1
MC3 (2705040321)				Sampled on 05/03/07 10:20				
	05/12/07 00:00	366329	(EPA 314)	Perchlorate	1440	ug/l	400	100
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	20800	mg/l	10	1
MC7 (2705040322)				Sampled on 05/03/07 10:40				
	05/14/07 00:00	366634	(EPA 314)	Perchlorate	10300	ug/l	4000	1000
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	14100	mg/l	10	1
MC6 (2705040323)				Sampled on 05/03/07 11:15				
	05/12/07 00:00	366329	(EPA 314)	Perchlorate	7730	ug/l	400	100
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	10000	mg/l	10	1
MC51 (2705040324)				Sampled on 05/03/07 11:40				
	05/12/07 00:00	366329	(EPA 314)	Perchlorate	7610	ug/l	400	100
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	9750	mg/l	10	1
MC50 (2705040325)				Sampled on 05/03/07 11:55				
	05/12/07 00:00	366329	(EPA 314)	Perchlorate	6900	ug/l	400	100
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	10150	mg/l	10	1



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Laboratory
Data Report
#203590

Tronox LLC Henderson Plant
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MC69 (2705040326) Sampled on 05/03/07 14:00								
	05/12/07 00:00	366329	(EPA 314)	Perchlorate	3660	ug/l	400	100
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	9950	mg/l	10	1
MC53 (2705040327) Sampled on 05/03/07 14:15								
	05/12/07 00:00	366329	(EPA 314)	Perchlorate	5130	ug/l	400	100
	05/09/07 00:00	365633	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	9550	mg/l	10	1
MC53D (2705040328) Sampled on 05/03/07 00:00								
	05/12/07 00:00	366329	(EPA 314)	Perchlorate	5300	ug/l	400	100
	05/09/07 00:00	365633	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 17:07		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	10800	mg/l	10	1
H11 (2705040329) Sampled on 05/03/07 14:45								
	05/14/07 00:00	366634	(EPA 314)	Perchlorate	ND	ug/l	10	5
05/10/07	05/10/07 18:46	366475	(SM 2540C)	Total Dissolved Solid (TDS)	990	mg/l	10	1
M29 (2705040330) Sampled on 05/03/07 15:30								
	05/08/07 00:00	366333	(ML/EPA 9056)	Chlorate by IC	3010	ug/l	50	5
	05/12/07 00:01	366330	(EPA 314)	Perchlorate	1880	mg/l	400	100
	05/09/07 00:00	365633	(ML/EPA 6010B)	Chromium, Total, ICAP	0.041	mg/l	0.020	2
	05/08/07 17:07		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/04/07 17:54	366024	(ML/EPA 9056)	Nitrate as Nitrogen by IC	4.33	mg/l	1.0	10
05/10/07	05/10/07 18:47	366476	(SM 2540C)	Total Dissolved Solid (TDS)	4970	mg/l	10	1
M61 (2705040331) Sampled on 05/03/07 15:50								
	05/14/07 00:00	366634	(EPA 314)	Perchlorate	72000	ug/l	4000	1000
	05/09/07 00:00	365633	(ML/EPA 6010B)	Chromium, Total, ICAP	1.2	mg/l	0.020	2
	05/08/07 17:07		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/10/07	05/10/07 18:47	366476	(SM 2540C)	Total Dissolved Solid (TDS)	5680	mg/l	10	1



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Tronox LLC Henderson Plant
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
EB050307 (2705040332)				Sampled on 05/03/07 16:05				
	05/08/07 00:00	365706	(ML/EPA 9056)	Chlorate by IC	ND	ug/l	10	1
	05/13/07 00:00	366329	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
	05/14/07 00:00	366592	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/10/07 16:10		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/04/07 18:59	366024	(ML/EPA 9056)	Nitrate as Nitrogen by IC	ND	mg/l	0.10	1
05/10/07	05/10/07 18:47	366476	(SM 2540C)	Total Dissolved Solid (TDS)	29	mg/l	10	1



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QC Summary
#203590

Tronox LLC Henderson Plant

QC Ref #365633 - Chromium, Total, ICAP

Analysis Date: 05/09/2007

2705040313	PC40	Analyzed by: wbh
2705040314	FB060307	Analyzed by: wbh
2705040316	PC73	Analyzed by: wbh
2705040327	MC53	Analyzed by: wbh
2705040328	MC53D	Analyzed by: wbh
2705040330	M29	Analyzed by: wbh
2705040331	M61	Analyzed by: wbh

QC Ref #365706 - Chlorate by IC

Analysis Date: 05/08/2007

2705040314	FB060307	Analyzed by: raja
2705040316	PC73	Analyzed by: raja
2705040332	EB050307	Analyzed by: raja

QC Ref #366024 - Nitrate as Nitrogen by IC

Analysis Date: 05/04/2007

2705040314	FB060307	Analyzed by: jkz
2705040316	PC73	Analyzed by: jkz
2705040330	M29	Analyzed by: jkz
2705040332	EB050307	Analyzed by: jkz

QC Ref #366327 - Perchlorate

Analysis Date: 05/11/2007

2705040313	PC40	Analyzed by: raja
2705040316	PC73	Analyzed by: raja
2705040317	MC65	Analyzed by: raja
2705040318	MC93	Analyzed by: raja
2705040319	MC97	Analyzed by: raja

QC Ref #366328 - Perchlorate

Analysis Date: 05/11/2007

2705040314	FB060307	Analyzed by: raja
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 QC Summary
 #203590

Tronox LLC Henderson Plant
 (continued)

QC Ref #366329 - Perchlorate

Analysis Date: 05/12/2007

2705040315	H48	Analyzed by: raja
2705040321	MC3	Analyzed by: raja
2705040323	MC6	Analyzed by: raja
2705040324	MC51	Analyzed by: raja
2705040325	MC50	Analyzed by: raja
2705040326	MC69	Analyzed by: raja
2705040327	MC53	Analyzed by: raja
2705040328	MC53D	Analyzed by: raja
2705040332	EB050307	Analyzed by: raja

QC Ref #366330 - Perchlorate

Analysis Date: 05/12/2007

2705040330	M29	Analyzed by: raja
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QC Ref #366333 - Chlorate by IC

Analysis Date: 05/08/2007

2705040330	M29	Analyzed by: raja
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QC Ref #366475 - Total Dissolved Solid (TDS)

Analysis Date: 05/10/2007

2705040313	PC40	Analyzed by: maria
2705040315	H48	Analyzed by: maria
2705040316	PC73	Analyzed by: maria
2705040317	MC65	Analyzed by: maria
2705040318	MC93	Analyzed by: maria
2705040319	MC97	Analyzed by: maria
2705040320	MC29	Analyzed by: maria
2705040321	MC3	Analyzed by: maria
2705040322	MC7	Analyzed by: maria
2705040323	MC6	Analyzed by: maria
2705040324	MC51	Analyzed by: maria
2705040325	MC50	Analyzed by: maria
2705040326	MC69	Analyzed by: maria
2705040327	MC53	Analyzed by: maria
2705040328	MC53D	Analyzed by: maria
2705040329	H11	Analyzed by: maria



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QC Summary
#203590

Tronox LLC Henderson Plant
(continued)

QC Ref #366476 - Total Dissolved Solid (TDS) Analysis Date: 05/10/2007

2705040330	M29	Analyzed by: maria
2705040331	M61	Analyzed by: maria
2705040332	EB050307	Analyzed by: maria

QC Ref #366592 - Chromium, Total, ICAP Analysis Date: 05/14/2007

2705040332	EB050307	Analyzed by: wbh
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QC Ref #366634 - Perchlorate Analysis Date: 05/14/2007

2705040320	MC29	Analyzed by: raja
2705040322	MC7	Analyzed by: raja
2705040329	H11	Analyzed by: raja
2705040331	M61	Analyzed by: raja

QC Ref #366816 - Total Dissolved Solid (TDS) Analysis Date: 05/14/2007

2705040314	FB060307	Analyzed by: maria
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Laboratory
QC Report
#203590

Tronox LLC Henderson Plant

QC Ref #365633

Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05030184	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.993	MGL	99.3	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.946	MGL	94.6	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0098	MGL	98.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.954	MGL	95.4	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.976	MGL	97.6	(70-130)	

QC Ref #365706

Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05020217	UGL		(0-0)	
LCS1	Chlorate by IC	200	198	UGL	99.0	(90-110)	
LCS2	Chlorate by IC	200	199	UGL	99.5	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.0	9.87	UGL	98.7	(50-150)	
MS	Chlorate by IC	100	94.5	UGL	94.5	(75-125)	
MSD	Chlorate by IC	100	101	UGL	101.0	(75-125)	
RPD_LCS	Chlorate by IC	99.000	99.500	UGL	0.5	(0-20)	
RPD_MS	Chlorate by IC	94.500	101.000	UGL	6.6	(0-20)	

QC Ref #366024

Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05040300	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.57	MGL	102.8	(90-110)	
LCS2	Nitrate as Nitrogen by IC	2.5	2.48	MGL	99.2	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.050	MGL	100.0	(50-150)	
MSD	Nitrate as Nitrogen by IC	1.25	1.23	MGL	98.4	(80-112)	
RPD_LCS	Nitrate as Nitrogen by IC	102.800	99.200	MGL	3.6	(0-20)	

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QC Report
#203590

Tronox LLC Henderson Plant (continued)

RPD_MS Nitrate as Nitrogen by IC 98.400 MGL (0-20)

QC Ref #366327 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05030206	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.7	UGL	94.8	(85-115)	
LCS2	Perchlorate	25.0	24.1	UGL	96.4	(85-115)	
LCS3	Perchlorate	4	3.67	UGL	91.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.3	UGL	85.2	(80-120)	
MSD	Perchlorate	25.0	21.3	UGL	85.2	(80-120)	
RPD_LCS	Perchlorate	94.800	96.400	UGL	1.7	(0-15)	
RPD_MS	Perchlorate	85.200	85.200	UGL	1.0	(0-15)	

QC Ref #366328 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05090908	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.8	UGL	103.2	(85-115)	
LCS2	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS3	Perchlorate	4	4.55	UGL	113.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.9	UGL	95.6	(80-120)	
MSD	Perchlorate	25.0	22.6	UGL	90.4	(80-120)	
RPD_LCS	Perchlorate	103.200	106.400	UGL	3.1	(0-15)	
RPD_MS	Perchlorate	95.600	90.400	UGL	0.9	(0-15)	

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QC Report
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Tronox LLC Henderson Plant (continued)

QC Ref #366329

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05090805	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.3	UGL	97.2	(85-115)	
LCS2	Perchlorate	25.0	24.0	UGL	96.0	(85-115)	
LCS3	Perchlorate	4	4.03	UGL	100.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.1	UGL	92.4	(80-120)	
MSD	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
RPD_LCS	Perchlorate	97.200	96.000	UGL	1.2	(0-15)	
RPD_MS	Perchlorate	92.400	96.000	UGL	1.0	(0-15)	

QC Ref #366330

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05040340	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.3	UGL	93.2	(85-115)	
LCS2	Perchlorate	25.0	23.4	UGL	93.6	(85-115)	
LCS3	Perchlorate	4	3.35	UGL	83.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.6	UGL	94.4	(80-120)	
RPD_LCS	Perchlorate	93.200	93.600	UGL	0.4	(0-15)	

QC Ref #366333

Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05080781	UGL		(0-0)	
LCS1	Chlorate by IC	200	197	UGL	98.5	(90-110)	
LCS2	Chlorate by IC	200	200	UGL	100.0	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.0	9.41	UGL	94.1	(50-150)	

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Tronox LLC Henderson Plant (continued)

MS	Chlorate by IC	100	99.6	UGL	99.6	(75-125)
MSD	Chlorate by IC	100.	93.2	UGL	93.2	(75-125)
RPD_LCS	Chlorate by IC	98.500	100.000	UGL	1.5	(0-20)
RPD_MS	Chlorate by IC	99.600	93.200	UGL	6.6	(0-20)

QC Ref #366475 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05030366	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	322	334	MGL		(0-10)	3.7
LCS1	Total Dissolved Solid (TDS)	175	154	MGL	88.0	(85-115)	
LCS2	Total Dissolved Solid (TDS)	700	656	MGL	93.7	(85-115)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	88.000	93.714	MGL	6.3	(0-20)	

QC Ref #366476 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05040330	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	4970	5060	MGL		(0-10)	1.8
LCS1	Total Dissolved Solid (TDS)	175	160	MGL	91.4	(85-115)	
LCS2	Total Dissolved Solid (TDS)	700	646	MGL	92.3	(85-115)	
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)	91.429	92.286	MGL	0.9	(0-20)	

QC Ref #366592 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05040344	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.929	MGL	92.9	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.955	MGL	95.5	(85-115)	

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Tronox LLC Henderson Plant
 (continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0100	MGL	100.0	(50-150)	
MS	Chromium, Total, ICAP	0.50	0.493	MGL	98.6	(70-130)	
MSD	Chromium, Total, ICAP	0.50	0.482	MGL	96.4	(70-130)	

QC Ref #366634 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05040351	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.5	UGL	98.0	(85-115)	
LCS2	Perchlorate	25.0	24.5	UGL	98.0	(85-115)	
LCS3	Perchlorate	4	3.83	UGL	95.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.0	UGL	92.0	(80-120)	
MSD	Perchlorate	25.0	23.3	UGL	93.2	(80-120)	
RPD_LCS	Perchlorate	98.000	98.000	UGL	0.0	(0-15)	
RPD_MS	Perchlorate	92.000	93.200	UGL	1.0	(0-15)	

QC Ref #366816 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05090908	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	684	664	MGL		(0-10)	3.0
LCS1	Total Dissolved Solid (TDS)	175	148	MGL	84.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	652	MGL	93.1	(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)	84.571	93.143	MGL	9.6	(0-20)	

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