



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)

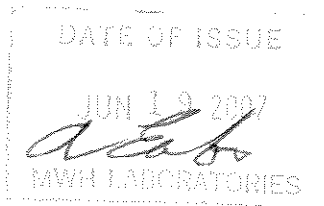
Laboratory Report

for

Tronox LLC Henderson Plant
P.O. Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager

Report#203157R replaces the original Report.



Report#: 203157R
Project: CL04
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 14 page[s].



MWH Laboratories
MONTGOMERY WATSON HARZA

750 Royal Oaks, Suite 100
Monrovia, California 91016
Phone: (626) 386-1100
(800) 566-5227
Fax: (626) 386-1101

CHAIN OF CUSTODY RECORD

MWH LABS USE ONLY

203157

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY: MWD

SAMPLES LOGGED IN BY: MWD

SAMPLE TEMP WHEN REC'D AT LAB: 4°C

SAMPLES REC'D DAY OF COLLECTION: (check for yes)

CONDITION OF BLUE ICE: FROZEN

PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER

(check for yes)

COMPANY, UTILITY or PROJECT		SYSTEM #	COMPLIANCE SAMPLES	NON-COMPLIANCE SAMPLES	REGULATION INVOLVED:	(check for yes)	
Trenox (Kerr-McGee)			- Requires state forms		(eg. SDWA, PWR V. NREES, FDA,)		
MWH LABS CLIENT CODE		P.O. # / JOB # / PROJECT	SEE ATTACHED BOTTLE ORDER FOR ANALYSES				
Kerr-McGee - NV		CLO4	LIST ANALYSES REQUIRED BELOW (enter number of bottles sent for each test for each sample)				
SAMPLE DATE	SAMPLE TIME	SITE NAME OR SAMPLE I.D.	STATION # or LOCATION	TAT requested: rush by adv notice only			SAMPLER COMMENTS
				1 week	3 day	2 day, 1 day	
SAMPLER PRINTED NAME AND SIGNATURE		MATRIX *		COMP			
Brian Ho		RGW	CRAB	CRAB	COMP		
4/30/07	0940	HMW9	RGW	X			
4/30/07	1010	PC93	RGW	X			Time on
4/30/07	1015	PC91	RGW	X			Nitrate
4/30/07	1250	PC77	RGW	X			3/15/07 samples.
4/30/07	1310	PC74	RGW	X			
4/30/07	1350	PC96	RGW	X			
4/30/07	1415	PC82	RGW	X			
4/30/07	1440	PC79	RGW	X			
4/30/07	1515	PC86	RGW	X			
4/30/07	1545	PC4	RGW	X			

* MATRIX TYPES: RSW = Raw Surface Water
RGW = Raw Ground Water

CFW = Chloraminated Finished Water
FW = Other Finished Water

CWW = Chlorinated Waste Water
WW = Other Waste Water

BW = Bottled Water
SW = Storm Water

SO = Soil
SL = Sludge

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	DATE	TIME
<i>Brian Ho</i>	<i>Brian Ho</i>	<i>Brian Ho</i>	<i>Brian Ho</i>	<i>Brian Ho</i>	<i>Brian Ho</i>	4-30-07	1625
						4-30-07	1600

COC# 043007-1



ENSR International
1220 Avenida Acaso
Camarillo, CA 93012-8738
Phone (805) 398-3775
Fax (805) 388-3577

ANALYTICAL LAB: MWH Labs
MENARD VIA, CA
(626) 386-1100 SITE Henderson DATE 4-30-07 PAGE 2 OF 2

CLIENT: <u>Ironox</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	9081A Pesticides	CAM 17 Metals	C104	TDS	CR6010	CL039056	N039056	MATRIX TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	OBSERVATIONS/ COMMENTS
1	EB043007	4-30-07	1555						X	X	X	X	X	WP	5	5	Short Hold
2																	Time out
3																	NITRATE Sample
4																	
5																	
6																	
7																	
8																	
9																	
10																	

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: Brian Ho SIGNATURE: [Signature] DATE: 4/30/07 TIME: 16:15 TOTAL NUMBER OF CONTAINERS: 5

RECEIVED BY: M. DEWAM SIGNATURE: [Signature] DATE: 5-1-7 TIME: 1000 METHOD OF SHIPMENT: Fed EX

RELINQUISHED BY: SIGNATURE: DATE: TIME: SPECIAL SHIPMENT/HANDLING/STORAGE REQUIREMENTS:

RECEIVED BY: SIGNATURE: DATE: TIME: COMPANY: MWH



MWH Laboratories, a Division of MWH Americas, Inc.
 750 Royal Oaks Drive, Suite 100
 Monterey 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
 PO# / Job# SC-1

BO# 40260

Sampler: please return this paper with your samples

Created by AND

Ship Sample Kits to

Send Report to

Ironox L.L.C. - attn Brian Ho
 8000 West Lake Mead Drive
 Henderson, NV 89015

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

Billing Address

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

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

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

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

of Samples Tests Qteline# Bottles-Qty for each sample, type & preservative if any

# of Samples	Tests	Qteline#	Bottles-Qty for each sample, type & preservative if any	UN DOT #	Comments
87	CLO4		1 125ml poly /no preservative		
53	CR6010		1 125ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	SHIPPING - SEND IN 3 ICE CHESTS -
87	TDS		1 250 ml poly/ no preservative		NO BLUE ICE.
18	CLO39056		1 60ml poly+0.60 mL 5% EDA sol'n	UN 1604	Please be sure coolers have Brian Ho's name on them.
18	NO39056		1 125ml poly/ no preservative SHORT HOLDING TIME!!!!		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.

Code Status Date Shipped Via

Tracking #

of Coolers

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

Customer Code: KERRMCGEE-NV
 PO#: SMC-06109901
 Group#: 203157
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **05/01/07**. 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
2705010700	HMW9	CLO4 TDS	Water	30-apr-2007 09:40:00
2705010702	PC93	CLO39056 CLO4 T TDS	Water CR6010 DIGEST	30-apr-2007 10:10:00 NO39056 P
2705010703	PC92	CLO39056 CLO4 T TDS	Water CR6010 DIGEST	30-apr-2007 10:45:00 NO39056 P
2705010705	PC77	CLO4 CR6010	Water DIGEST P	30-apr-2007 12:50:00 T TDS
2705010707	PC74	CLO4 TDS	Water	30-apr-2007 13:10:00
2705010708	PC96	CLO4 TDS	Water	30-apr-2007 13:50:00
2705010709	PC82	CLO39056 CLO4	Water NO39056 TDS	30-apr-2007 14:15:00
2705010710	PC79	CLO4 CR6010	Water DIGEST P	30-apr-2007 14:40:00 T TDS
2705010712	PC86	CLO39056 CLO4 T TDS	Water CR6010 DIGEST	30-apr-2007 15:15:00 NO39056 P
2705010716	PC4	CLO39056 CLO4 T TDS	Water CR6010 DIGEST	30-apr-2007 15:45:00 NO39056 P
2705010717	EB043007	CLO39056 CLO4 T TDS	Water CR6010 DIGEST	30-apr-2007 15:55:00 NO39056 P

Test Acronym Description

Test Acronym	Description
CLO39056	Chlorate by IC
CLO4	Perchlorate

Tronox LLC Henderson Plant
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Attn: Susan Crowley
Phone: (702) 651-2234

Customer Code: KERRMCGEE-NV
PO#: SMC-06109901
Group#: 203157
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
CR6010	Chromium, Total, ICAP
DIGEST	Metals digestion performed.
NO39056	Nitrate as Nitrogen by IC
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)



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Report
Comments
#203157

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

Report revised to correct ID from PC91 to PC92 as per email from Ed Krish 6-17-07.



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Laboratory
Hits Report
#203157

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

Samples Received
01-may-2007 18:48:01

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705010700	HMW9				
05/08/07	Perchlorate		771		ug/l	40
05/02/07	Total Dissolved Solid (TDS)		3270	500	mg/l	10
	2705010702	PC93				
05/07/07	Chlorate by IC		14700		ug/l	500
05/07/07	Chromium, Total, ICAP		0.081		mg/l	0.020
05/04/07	Metals digestion performed.		Y		Yes/No	
05/01/07	Nitrate as Nitrogen by IC		10.8		mg/l	2.5
05/04/07	Perchlorate		8740		ug/l	2000
05/02/07	Total Dissolved Solid (TDS)		4760	500	mg/l	10
	2705010703	PC92				
05/03/07	Chlorate by IC		68700		ug/l	1000
05/04/07	Metals digestion performed.		Y		Yes/No	
05/01/07	Nitrate as Nitrogen by IC		14.9		mg/l	2.5
05/04/07	Perchlorate		9250		ug/l	2000
05/02/07	Total Dissolved Solid (TDS)		7620	500	mg/l	10
	2705010705	PC77				
05/04/07	Metals digestion performed.		Y		Yes/No	
05/04/07	Perchlorate		3350		ug/l	200
05/02/07	Total Dissolved Solid (TDS)		5100	500	mg/l	10
	2705010707	PC74				
05/04/07	Perchlorate		267		ug/l	200
05/02/07	Total Dissolved Solid (TDS)		2070	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
 Hits Report
 #203157

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

Samples Received
 01-may-2007 18:48:01

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705010707	PC74				
	2705010708	PC96				
05/04/07	Perchlorate		77		ug/l	40
05/03/07	Total Dissolved Solid (TDS)		2680	500	mg/l	10
	2705010709	PC82				
05/04/07	Chlorate by IC		176		ug/l	100
05/08/07	Perchlorate		1330		ug/l	200
05/03/07	Total Dissolved Solid (TDS)		2720	500	mg/l	10
	2705010710	PC79				
05/04/07	Metals digestion performed.		Y		Yes/No	
05/09/07	Perchlorate		39		ug/l	4.0
05/03/07	Total Dissolved Solid (TDS)		2300	500	mg/l	10
	2705010712	PC86				
05/07/07	Chlorate by IC		779		ug/l	10
05/04/07	Metals digestion performed.		Y		Yes/No	
05/08/07	Perchlorate		1620		ug/l	400
05/03/07	Total Dissolved Solid (TDS)		2690	500	mg/l	10
	2705010716	PC4				
05/04/07	Chlorate by IC		111000		ug/l	10000
05/07/07	Chromium, Total, ICAP		0.090		mg/l	0.020
05/04/07	Metals digestion performed.		Y		Yes/No	

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
 Hits Report
 #203157

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

Samples Received
 01-may-2007 18:48:01

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705010716	PC4				
05/01/07		Nitrate as Nitrogen by IC	27.5		mg/l	2.5
05/09/07		Perchlorate	7050		ug/l	400
05/03/07		Total Dissolved Solid (TDS)	6360	500	mg/l	10
	2705010717	EB043007				
05/04/07		Metals digestion performed.	Y		Yes/No	
05/07/07		Total Dissolved Solid (TDS)	10	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Data Report
#203157

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

Samples Received
05/01/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
HMW9 (2705010700) Sampled on 04/30/07 09:40								
	05/08/07 00:00	365482	(EPA 314)	Perchlorate	771	ug/l	40	10
05/02/07	05/02/07 22:32	364934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3270	mg/l	10	1
PC93 (2705010702) Sampled on 04/30/07 10:10								
	05/07/07 00:00	365697	(ML/EPA 9056)	Chlorate by IC	14700	ug/l	500	50
	05/04/07 00:00	365260	(EPA 314)	Perchlorate	8740	ug/l	2000	500
	05/07/07 18:24	365400	(ML/EPA 6010B)	Chromium, Total, ICAP	0.081	mg/l	0.020	2
	05/04/07 16:42		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/01/07 19:48	365352	(ML/EPA 9056)	Nitrate as Nitrogen by IC	10.8	mg/l	2.5	25
05/02/07	05/02/07 22:32	364934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4760	mg/l	10	1
PC92 (2705010703) Sampled on 04/30/07 10:45								
	05/03/07 11:23	364976	(ML/EPA 9056)	Chlorate by IC	68700	ug/l	1000	100
	05/04/07 00:00	365260	(EPA 314)	Perchlorate	9250	ug/l	2000	500
	05/07/07 18:24	365400	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/04/07 16:42		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/01/07 19:35	365352	(ML/EPA 9056)	Nitrate as Nitrogen by IC	14.9	mg/l	2.5	25
05/02/07	05/02/07 22:32	364934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7620	mg/l	10	1
PC77 (2705010705) Sampled on 04/30/07 12:50								
	05/04/07 00:00	365260	(EPA 314)	Perchlorate	3350	ug/l	200	50
	05/07/07 18:24	365400	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/04/07 16:42		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/02/07	05/02/07 22:32	364934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5100	mg/l	10	1
PC74 (2705010707) Sampled on 04/30/07 13:10								
	05/04/07 00:00	365260	(EPA 314)	Perchlorate	267	ug/l	200	50
05/02/07	05/02/07 22:32	364934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2070	mg/l	10	1



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Laboratory
 Data Report
 #203157

Tronox LLC Henderson Plant (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC96 (2705010708) Sampled on 04/30/07 13:50								
	05/04/07 00:00	365260	(EPA 314)	Perchlorate	77	ug/l	40	10
05/03/07	05/03/07 17:45	365372	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2680	mg/l	10	1
PC82 (2705010709) Sampled on 04/30/07 14:15								
	05/04/07 00:00	364982	(ML/EPA 9056)	Chlorate by IC	176	ug/l	100	10
	05/08/07 00:00	365482	(EPA 314)	Perchlorate	1330	ug/l	200	50
	05/01/07 19:09	365352	(ML/EPA 9056)	Nitrate as Nitrogen by IC	ND	mg/l	0.50	10
05/03/07	05/03/07 17:45	365372	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2720	mg/l	10	1
PC79 (2705010710) Sampled on 04/30/07 14:40								
	05/09/07 00:00	365693	(EPA 314)	Perchlorate	39	ug/l	4.0	2
	05/07/07 18:24	365400	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/04/07 16:42		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/03/07	05/03/07 17:45	365372	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2300	mg/l	10	1
PC86 (2705010712) Sampled on 04/30/07 15:15								
	05/07/07 00:00	365697	(ML/EPA 9056)	Chlorate by IC	779	ug/l	10	1
	05/08/07 00:00	365482	(EPA 314)	Perchlorate	1620	ug/l	400	100
	05/07/07 18:24	365400	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/04/07 16:42		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/01/07 19:22	365352	(ML/EPA 9056)	Nitrate as Nitrogen by IC	ND	mg/l	0.50	10
05/03/07	05/03/07 17:45	365372	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2690	mg/l	10	1
PC4 (2705010716) Sampled on 04/30/07 15:45								
	05/04/07 00:00	364982	(ML/EPA 9056)	Chlorate by IC	111000	ug/l	10000	1000
	05/09/07 00:00	365693	(EPA 314)	Perchlorate	7050	ug/l	400	100
	05/07/07 18:24	365400	(ML/EPA 6010B)	Chromium, Total, ICAP	0.090	mg/l	0.020	2
	05/04/07 16:42		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/01/07 18:04	365352	(ML/EPA 9056)	Nitrate as Nitrogen by IC	27.5	mg/l	2.5	25
05/03/07	05/03/07 17:45	365372	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6360	mg/l	10	1



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Laboratory
Data Report
#203157

Tronox LLC Henderson Plant
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
EB043007 (2705010717)				Sampled on 04/30/07 15:55				
	05/07/07 00:00	365697	(ML/EPA 9056)	Chlorate by IC	ND	ug/l	50	5
	05/08/07 00:00	365482	(EPA 314)	Perchlorate	ND	ug/l	4.0	2
	05/07/07 18:24	365400	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/04/07 16:42		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/01/07 18:43	365352	(ML/EPA 9056)	Nitrate as Nitrogen by IC	ND	mg/l	0.050	1
05/03/07	05/07/07 20:03	365727	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10	mg/l	10	1



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Laboratory
QC Summary
#203157

Tronox LLC Henderson Plant

QC Ref #364934 - Total Dissolved Solid (TDS) Analysis Date: 05/02/2007

2705010700	HMW9	Analyzed by: dtn
2705010702	PC93	Analyzed by: dtn
2705010703	PC92	Analyzed by: dtn
2705010705	PC77	Analyzed by: dtn
2705010707	PC74	Analyzed by: dtn

QC Ref #364976 - Chlorate by IC Analysis Date: 05/03/2007

2705010703	PC92	Analyzed by: raja
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QC Ref #364982 - Chlorate by IC Analysis Date: 05/04/2007

2705010709	PC82	Analyzed by: raja
2705010716	PC4	Analyzed by: raja

QC Ref #365260 - Perchlorate Analysis Date: 05/04/2007

2705010702	PC93	Analyzed by: raja
2705010703	PC92	Analyzed by: raja
2705010705	PC77	Analyzed by: raja
2705010707	PC74	Analyzed by: raja
2705010708	PC96	Analyzed by: raja

QC Ref #365352 - Nitrate as Nitrogen by IC Analysis Date: 05/01/2007

2705010702	PC93	Analyzed by: jkz
2705010703	PC92	Analyzed by: jkz
2705010709	PC82	Analyzed by: jkz
2705010712	PC86	Analyzed by: jkz
2705010716	PC4	Analyzed by: jkz
2705010717	EB043007	Analyzed by: jkz

QC Ref #365372 - Total Dissolved Solid (TDS) Analysis Date: 05/03/2007

2705010708	PC96	Analyzed by: dtn
2705010709	PC82	Analyzed by: dtn
2705010710	PC79	Analyzed by: dtn
2705010712	PC86	Analyzed by: dtn



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Laboratory
QC Summary
#203157

Tronox LLC Henderson Plant
(continued)

2705010716

PC4

Analyzed by: dtn

QC Ref #365400 - Chromium, Total, ICAP

Analysis Date: 05/07/2007

2705010702

PC93

Analyzed by: wbh

2705010703

PC92

Analyzed by: wbh

2705010705

PC77

Analyzed by: wbh

2705010710

PC79

Analyzed by: wbh

2705010712

PC86

Analyzed by: wbh

2705010716

PC4

Analyzed by: wbh

2705010717

EB043007

Analyzed by: wbh

QC Ref #365482 - Perchlorate

Analysis Date: 05/08/2007

2705010700

HMW9

Analyzed by: raja

2705010709

PC82

Analyzed by: raja

2705010712

PC86

Analyzed by: raja

2705010717

EB043007

Analyzed by: raja

QC Ref #365693 - Perchlorate

Analysis Date: 05/09/2007

2705010710

PC79

Analyzed by: raja

2705010716

PC4

Analyzed by: raja

QC Ref #365697 - Chlorate by IC

Analysis Date: 05/07/2007

2705010702

PC93

Analyzed by: raja

2705010712

PC86

Analyzed by: raja

2705010717

EB043007

Analyzed by: raja

QC Ref #365727 - Total Dissolved Solid (TDS)

Analysis Date: 05/07/2007

2705010717

EB043007

Analyzed by: dtn



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Tronox LLC Henderson Plant

QC Ref #364934 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05010546	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	482	500	MGL		(0-10)	3.7
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	(85-115)	
LCS2	Total Dissolved Solid (TDS)	700	684	MGL	97.7	(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)	93.714	97.714	MGL	4.2	(0-20)	

QC Ref #364976 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05010113	UGL		(0-0)	
LCS1	Chlorate by IC	200	199	UGL	99.5	(90-110)	
LCS2	Chlorate by IC	200	202	UGL	101.0	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.0	11.1	UGL	111.0	(50-150)	
MS	Chlorate by IC	100	92.5	UGL	92.5	(75-125)	
MSD	Chlorate by IC	100	94.1	UGL	94.1	(75-125)	
RPD_LCS	Chlorate by IC	99.500	101.000	UGL	1.5	(0-20)	
RPD_MS	Chlorate by IC	92.500	94.100	UGL	1.7	(0-20)	

QC Ref #364982 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05020877	UGL		(0-0)	
LCS1	Chlorate by IC	200	204	UGL	102.0	(90-110)	
LCS2	Chlorate by IC	200	196	UGL	98.0	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.0	9.92	UGL	99.2	(50-150)	
MS	Chlorate by IC	100	92.8	UGL	92.8	(75-125)	
MSD	Chlorate by IC	100	91.9	UGL	91.9	(75-125)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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Tronox LLC Henderson Plant (continued)

RPD_LCS	Chlorate by IC	102.000	98.000	UGL	4.0	(0-20)
RPD_MS	Chlorate by IC	92.800	91.900	UGL	1.0	(0-20)

QC Ref #365260 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05010136	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.8	UGL	103.2	(85-115)	
LCS2	Perchlorate	25.0	24.8	UGL	99.2	(85-115)	
LCS3	Perchlorate	4	4.09	UGL	102.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	27.2	UGL	108.8	(80-120)	
MSD	Perchlorate	25.0	23.9	UGL	95.6	(80-120)	
RPD_LCS	Perchlorate	103.200	99.200	UGL	4.0	(0-15)	
RPD_MS	Perchlorate	108.800	95.600	UGL	0.9	(0-15)	

QC Ref #365352 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05010186	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	2.46	MGL	98.4	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0472	MGL	94.4	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.31	MGL	104.8	(80-112)	
MSD	Nitrate as Nitrogen by IC	1.25	1.30	MGL	104.0	(80-112)	
RPD_LCS	Nitrate as Nitrogen by IC	102.800	98.400	MGL	4.4	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	104.800	104.000	MGL	0.8	(0-20)	

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Tronox LLC Henderson Plant
 (continued)

QC Ref #365372 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05010708	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	2760	2680	MGL		(0-10)	2.9
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	(85-115)	
LCS2	Total Dissolved Solid (TDS)	700	698	MGL	99.7	(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)	100.571	99.714	MGL	0.9	(0-20)	

QC Ref #365400 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05010137	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.963	MGL	96.3	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0104	MGL	104.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.987	MGL	98.7	(70-130)	

QC Ref #365482 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05010736	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS3	Perchlorate	4	4.37	UGL	109.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
MSD	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	

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Tronox LLC Henderson Plant
 (continued)

RPD_LCS	Perchlorate	105.600	105.600	UGL	0.0	(0-15)
RPD_MS	Perchlorate	99.600	96.000	UGL	1.0	(0-15)

QC Ref #365693 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05020813	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.0	UGL	96.0	(85-115)	
LCS2	Perchlorate	25.0	25.6	UGL	102.4	(85-115)	
LCS3	Perchlorate	4	4.18	UGL	104.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.9	UGL	91.6	(80-120)	
MSD	Perchlorate	25.0	23.4	UGL	93.6	(80-120)	
RPD_LCS	Perchlorate	96.000	102.400	UGL	6.5	(0-15)	
RPD_MS	Perchlorate	91.600	93.600	UGL	1.0	(0-15)	

QC Ref #365697 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05010813	UGL		(0-0)	
LCS1	Chlorate by IC	200	201	UGL	100.5	(90-110)	
LCS2	Chlorate by IC	200	203	UGL	101.5	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.0	12.1	UGL	121.0	(50-150)	
MS	Chlorate by IC	100	96.3	UGL	96.3	(75-125)	
MSD	Chlorate by IC	100	92.8	UGL	92.8	(75-125)	
RPD_LCS	Chlorate by IC	100.500	101.500	UGL	1.0	(0-20)	
RPD_MS	Chlorate by IC	96.300	92.800	UGL	3.7	(0-20)	

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QC Report
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Tronox LLC Henderson Plant
(continued)

QC Ref #365727

Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05020856	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	1320	1380	MGL		(0-10)	4.4
LCS1	Total Dissolved Solid (TDS)	175	180	MGL	102.9	(85-115)	
LCS2	Total Dissolved Solid (TDS)	700	662	MGL	94.6	(85-115)	
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)	102.857	94.571	MGL	8.4	(0-20)	

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