



# MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3629  
Tel: 626 386 1100  
Fax: 626 386 1101  
1 800 566 LABS (1 800 566 5227)

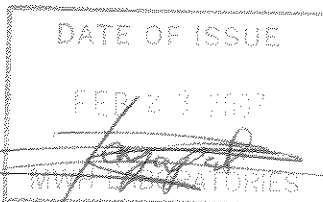
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton  
Project Manager



Report#: 195983

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 12 page[s].



195983

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

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: FC/SL

SAMPLE TEMP, RECEIPT AT LAB: 5C

BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME KERRMCGEE-IMP		PROJECT JOB # / P.O.# Collection Wells Fields - Weekly - SO #12373		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES <input checked="" type="checkbox"/> (check for yes)		
Sampler Michele Brown		Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)		
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	COMP	SAMPLER COMMENTS
0530	2/12/07		ART-1	RSW	X	SBO - 12373 & 18787
0530	2/12/07		ART-2	RSW	X	
0530	2/12/07		ART-3	RSW	X	
0530	2/12/07		ART-4	RSW	X	
0530	2/12/07		ART-5	RSW	X	
0530	2/12/07		ART-6	RSW	X	
0530	2/12/07		ART-7	RSW	X	
0530	2/12/07		ART-8	RSW	X	
0600	2/12/07		PC-99R2/R3	RSW	X	
0600	2/12/07		PC-115R	RSW	X	
0600	2/12/07		PC-116R	RSW	X	
0600	2/12/07		Seep Surface Flow	RSW	X	

\* MATRIX TYPES:

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

Reported by Weight:  
SO = Soil  
SL = Sludge

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

SIGNATURE

REQUISITIONED BY: Michele Brown

PRINT NAME  
Michele Brown

COMPANY/TITLE  
Veolia Water for Tronox LLC - Henderson Plant

DATE  
2/12/2007

TIME  
1200pm

REQUISITIONED BY:

RECEIVED BY: [Signature]

RECEIVED BY: [Signature]

RECEIVED BY: [Signature]

RECEIVED BY: [Signature]

RECEIVED



196983

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(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:  
LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: \_\_\_\_\_

SAMPLE TEMP, RECEIPT AT LAB: \_\_\_\_\_

BLUE ICE: \_\_\_\_\_

FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)		SAMPLER COMMENTS	
KERRMCGEE-MP Sampler Signature: Michele Brown Susan Crowley (702) 651-2200		Tronox LLC - Henderson Plant LLC PO Box 55 Henderson, NV 89009		Collection Wells Fields - Monthly - SO #12373		Total Cl <sub>2</sub> <input type="checkbox"/> TDS <input type="checkbox"/> GR <input type="checkbox"/>			
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP			
6:00	2/12/07		SF-1	RSW	X				
6:00	2/12/07		PC-117	RSW	X				
6:00	2/12/07		PC-118	RSW	X				
6:00	2/12/07		PC-119	RSW	X				
6:00	2/12/07		PC-120	RSW	X				
6:00	2/12/07		PC-121	RSW	X				
6:00	2/12/07		PC-133	RSW	X				
5:30	2/12/07		ART-9	RSW	X				

\* MATRIX TYPES: Reported by Volume:  
 CFW = Chlor(am)inated Finished Water  
 FW = Other Finished Water

Reported by Weight:  
 SO = Soil  
 SL = Sludge

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

RELINQUISHED BY: <i>Michele Brown</i>	SIGNATURE	PRINT NAME Michele Brown	COMPANY/TITLE Veolia Water for Tronox LLC - Henderson Plant	DATE 2/12/2007	TIME 1200pm
RECEIVED BY: <i>[Signature]</i>					
RECEIVED BY: <i>[Signature]</i>					



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

**Bottle Order for Tronox LLC- Henderson Standing**

Client Code KERRMCGEE-MP  
Project Code CLO4  
PO# / Job# GWREMEDICATION  
Blanket PO

W Weekly  
Week 1

Period

Andrew Eaton..... Your MWL Project Manager  
(626).386.1125..... Direct Phone/Voice Mail

SO# 34273 12373 RS

**Sampler: Please Return this Paper with your samples**

Created by

Order Date

01/16/07

Date Needed by Client

Ship Sample Kits to  
Veolia Water-Tronox LLC  
Gate 1  
8000 West Lake Mead Drive  
Henderson, NV 89015

Send Report to

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

Billing Address

Tronox, LLC.  
Attn: Accounts Payable  
PO BOX 268859  
Oklahoma City, OK 73126-8859

ATTN: Susan Crowley  
PHONE: 702-651-2234

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

Quote#

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

# of Samples Tests

UN#

Important Comments

30	CLO4, TDS,	1	250 ml poly /no preservative	-	-	Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC
-	SHEET OF LABELS WITH WELL-IDS	-	see comments section	-	-	PC-117, PC-118, PC-119, PC-120, and PC-121
-		-		-	-	PC-116R
-		-		-	-	PC-99R2
-		-		-	-	PC-99R3
-		-		-	-	PC-115R
-		-		-	-	ART-1
-		-		-	-	ART-2
-		-		-	-	ART-3
-		-		-	-	ART-4
-		-		-	-	ART-5
-		-		-	-	ART-6
-		-		-	-	ART-7
-		-		-	-	ART-8
-		-		-	-	Seep Surface Flow SF-1"
-		-		-	-	Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
-		-		-	-	EXTRA BOTTLES INCLUDED client code changed 7/25/03
-		-		-	-	Testcode updated 3-16-06
-		-		-	-	standing order changed 6-14-06
-		-		-	-	login note added 7-6-06
-		-		-	-	TDS

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number 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  
 PO Box 55  
 Henderson, NV 89009  
 Attn: Susan Crowley  
 Phone: 702-651-2234

Customer Code: KERRMCGEE-MP  
 Group#: 195983

The following samples were received from you on **02/13/07**. 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
2702130509	ART-1	CLO4 TDS	Water	12-feb-2007 05:30:00
2702130512	ART-2	CLO4 TDS	Water	12-feb-2007 05:30:00
2702130513	ART-3	CLO4 TDS	Water	12-feb-2007 05:30:00
2702130514	ART-4	CLO4 TDS	Water	12-feb-2007 05:30:00
2702130515	ART-6	CLO4 TDS	Water	12-feb-2007 05:30:00
2702130516	ART-7	CLO4 TDS	Water	12-feb-2007 05:30:00
2702130517	ART-8	CLO4 TDS	Water	12-feb-2007 05:30:00
2702130518	PC-99R2/R3	CLO4 TDS	Water	12-feb-2007 06:00:00
2702130519	PC-115R	CLO4 TDS	Water	12-feb-2007 06:00:00
2702130520	PC-116R	CLO4 TDS	Water	12-feb-2007 06:00:00
2702130521	SEEP SURFACE FLOW	CLO4 TDS	Water	12-feb-2007 06:00:00
2702130522	SF-1	CLO4 TDS	Water	12-feb-2007 06:00:00
2702130523	PC-117	CLO4 TDS	Water	12-feb-2007 06:00:00
2702130524	PC-118	CLO4 TDS	Water	12-feb-2007 06:00:00
2702130525	PC-119	CLO4 TDS	Water	12-feb-2007 06:00:00
2702130526	PC-120	CLO4 TDS	Water	12-feb-2007 06:00:00
2702130527	PC-121	CLO4 TDS	Water	12-feb-2007 06:00:00

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 Group#: 195983

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2702130528	PC-133	CLO4 TDS	Water	12-feb-2007 06:00:00
2702130529	ART-9	CLO4 TDS	Water	12-feb-2007 05:30:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)



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Report  
Comments  
#195983

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



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Laboratory  
Hits Report  
#195983

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

Samples Received  
13-feb-2007 16:43:18

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2702130509	ART-1				
02/16/07	Perchlorate		210		ug/l	10
02/16/07	Total Dissolved Solid (TDS)		7330	500	mg/l	10
	2702130512	ART-2				
02/16/07	Perchlorate		131000		ug/l	20000
02/16/07	Total Dissolved Solid (TDS)		9580	500	mg/l	10
	2702130513	ART-3				
02/16/07	Perchlorate		424000		ug/l	40000
02/16/07	Total Dissolved Solid (TDS)		8480	500	mg/l	10
	2702130514	ART-4				
02/16/07	Perchlorate		421000		ug/l	40000
02/16/07	Total Dissolved Solid (TDS)		6550	500	mg/l	10
	2702130515	ART-6				
02/16/07	Perchlorate		95500		ug/l	20000
02/16/07	Total Dissolved Solid (TDS)		7640	500	mg/l	10
	2702130516	ART-7				
02/16/07	Perchlorate		164000		ug/l	20000
02/16/07	Total Dissolved Solid (TDS)		9840	500	mg/l	10
	2702130517	ART-8				

SUMMARY OF POSITIVE DATA ONLY.





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Samples Received  
13-feb-2007 16:43:18

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2702130517	ART-8				
02/16/07	Perchlorate		355000		ug/l	40000
02/16/07	Total Dissolved Solid (TDS)		9660	500	mg/l	10
	2702130518	PC-99R2/R3				
02/16/07	Perchlorate		19100		ug/l	2000
02/16/07	Total Dissolved Solid (TDS)		4260	500	mg/l	10
	2702130519	PC-115R				
02/16/07	Perchlorate		17100		ug/l	2000
02/16/07	Total Dissolved Solid (TDS)		4320	500	mg/l	10
	2702130520	PC-116R				
02/16/07	Perchlorate		12700		ug/l	2000
02/16/07	Total Dissolved Solid (TDS)		4700	500	mg/l	10
	2702130521	SEEP SURFACE FLOW				
02/16/07	Perchlorate		3320		ug/l	400
02/16/07	Total Dissolved Solid (TDS)		3450	500	mg/l	10
	2702130522	SF-1				
02/16/07	Perchlorate		21		ug/l	10
02/16/07	Total Dissolved Solid (TDS)		6070	500	mg/l	10
	2702130523	PC-117				

SUMMARY OF POSITIVE DATA ONLY.



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 13-feb-2007 16:43:18

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2702130523	PC-117				
02/16/07	Perchlorate		6990		ug/l	2000
02/16/07	Total Dissolved Solid (TDS)		4310	500	mg/l	10
	2702130524	PC-118				
02/16/07	Perchlorate		13500		ug/l	2000
02/16/07	Total Dissolved Solid (TDS)		4130	500	mg/l	10
	2702130525	PC-119				
02/16/07	Perchlorate		8920		ug/l	2000
02/16/07	Total Dissolved Solid (TDS)		3890	500	mg/l	10
	2702130526	PC-120				
02/16/07	Perchlorate		3660		ug/l	400
02/16/07	Total Dissolved Solid (TDS)		3130	500	mg/l	10
	2702130527	PC-121				
02/16/07	Perchlorate		2910		ug/l	400
02/16/07	Total Dissolved Solid (TDS)		2990	500	mg/l	10
	2702130528	PC-133				
02/18/07	Perchlorate		9220		ug/l	400
02/16/07	Total Dissolved Solid (TDS)		4230	500	mg/l	10
	2702130529	ART-9				

SUMMARY OF POSITIVE DATA ONLY.



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 Susan Crowley  
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 Henderson , NV 89009

Samples Received  
 13-feb-2007 16:43:18

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2702130529	ART-9				
02/18/07	Perchlorate		330000		ug/l	20000
02/16/07	Total Dissolved Solid (TDS)		7610	500	mg/l	10



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Data Report  
#195983

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

Samples Received  
02/13/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>ART-1 (2702130509)      Sampled on 02/12/07 05:30</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	210	ug/l	10	5
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	7330	mg/l	10	1
<b>ART-2 (2702130512)      Sampled on 02/12/07 05:30</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	131000	ug/l	20000	5000
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	9580	mg/l	10	1
<b>ART-3 (2702130513)      Sampled on 02/12/07 05:30</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	424000	ug/l	40000	10000
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	8480	mg/l	10	1
<b>ART-4 (2702130514)      Sampled on 02/12/07 05:30</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	421000	ug/l	40000	10000
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	6550	mg/l	10	1
<b>ART-6 (2702130515)      Sampled on 02/12/07 05:30</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	95500	ug/l	20000	5000
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	7640	mg/l	10	1
<b>ART-7 (2702130516)      Sampled on 02/12/07 05:30</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	164000	ug/l	20000	5000
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	9840	mg/l	10	1
<b>ART-8 (2702130517)      Sampled on 02/12/07 05:30</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	355000	ug/l	40000	10000
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	9660	mg/l	10	1



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Tronox LLC - Henderson  
 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-99R2/R3 (2702130518)                      Sampled on 02/12/07 06:00</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	19100	ug/l	2000	500
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	4260	mg/l	10	1
<b>PC-115R (2702130519)                      Sampled on 02/12/07 06:00</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	17100	ug/l	2000	500
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	4320	mg/l	10	1
<b>PC-116R (2702130520)                      Sampled on 02/12/07 06:00</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	12700	ug/l	2000	500
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	4700	mg/l	10	1
<b>SEEP SURFACE FLOW (2702130521)                      Sampled on 02/12/07 06:00</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	3320	ug/l	400	100
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	3450	mg/l	10	1
<b>SF-1 (2702130522)                      Sampled on 02/12/07 06:00</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	21	ug/l	10	5
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	6070	mg/l	10	1
<b>PC-117 (2702130523)                      Sampled on 02/12/07 06:00</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	6990	ug/l	2000	500
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	4310	mg/l	10	1
<b>PC-118 (2702130524)                      Sampled on 02/12/07 06:00</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	13500	ug/l	2000	500
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	4130	mg/l	10	1
<b>PC-119 (2702130525)                      Sampled on 02/12/07 06:00</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	8920	ug/l	2000	500
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	3890	mg/l	10	1



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Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-120 (2702130526)                    Sampled on 02/12/07 06:00</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	3660	ug/l	400	100
02/16/07	02/16/07 13:46	353577	( SM 2540C	) Total Dissolved Solid (TDS)	3130	mg/l	10	1
<b>PC-121 (2702130527)                    Sampled on 02/12/07 06:00</b>								
	02/16/07 00:00	353412	( EPA 314	) Perchlorate	2910	ug/l	400	100
02/16/07	02/16/07 13:46	353577	( SM 2540C	) Total Dissolved Solid (TDS)	2990	mg/l	10	1
<b>PC-133 (2702130528)                    Sampled on 02/12/07 06:00</b>								
	02/18/07 00:00	353777	( EPA 314	) Perchlorate	9220	ug/l	400	100
02/16/07	02/16/07 13:46	353577	( SM 2540C	) Total Dissolved Solid (TDS)	4230	mg/l	10	1
<b>ART-9 (2702130529)                    Sampled on 02/12/07 05:30</b>								
	02/18/07 00:00	353777	( EPA 314	) Perchlorate	330000	ug/l	20000	5000
02/16/07	02/16/07 12:20	353579	( SM 2540C	) Total Dissolved Solid (TDS)	7610	mg/l	10	1



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Laboratory  
 QC Summary  
 #195983

Tronox LLC - Henderson

QC Ref #353412 - Perchlorate

Analysis Date: 02/16/2007

2702130509	ART-1	Analyzed by: raja
2702130512	ART-2	Analyzed by: raja
2702130513	ART-3	Analyzed by: raja
2702130514	ART-4	Analyzed by: raja
2702130515	ART-6	Analyzed by: raja
2702130516	ART-7	Analyzed by: raja
2702130517	ART-8	Analyzed by: raja
2702130518	PC-99R2/R3	Analyzed by: raja
2702130519	PC-115R	Analyzed by: raja
2702130520	PC-116R	Analyzed by: raja
2702130521	SEEP SURFACE FLOW	Analyzed by: raja
2702130522	SF-1	Analyzed by: raja
2702130523	PC-117	Analyzed by: raja
2702130524	PC-118	Analyzed by: raja
2702130525	PC-119	Analyzed by: raja
2702130526	PC-120	Analyzed by: raja
2702130527	PC-121	Analyzed by: raja

QC Ref #353577 - Total Dissolved Solid (TDS)

Analysis Date: 02/16/2007

2702130526	PC-120	Analyzed by: anh
2702130527	PC-121	Analyzed by: anh
2702130528	PC-133	Analyzed by: anh

QC Ref #353579 - Total Dissolved Solid (TDS)

Analysis Date: 02/16/2007

2702130509	ART-1	Analyzed by: anh
2702130512	ART-2	Analyzed by: anh
2702130513	ART-3	Analyzed by: anh
2702130514	ART-4	Analyzed by: anh
2702130515	ART-6	Analyzed by: anh
2702130516	ART-7	Analyzed by: anh
2702130517	ART-8	Analyzed by: anh
2702130518	PC-99R2/R3	Analyzed by: anh
2702130519	PC-115R	Analyzed by: anh
2702130520	PC-116R	Analyzed by: anh
2702130521	SEEP SURFACE FLOW	Analyzed by: anh
2702130522	SF-1	Analyzed by: anh
2702130523	PC-117	Analyzed by: anh
2702130524	PC-118	Analyzed by: anh
2702130525	PC-119	Analyzed by: anh



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Laboratory  
QC Summary  
#195983

Tronox LLC - Henderson  
(continued)

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2702130529

ART-9

Analyzed by: anh

QC Ref #353777 - Perchlorate

Analysis Date: 02/18/2007

2702130528

PC-133

Analyzed by: raja

2702130529

ART-9

Analyzed by: raja



## Tronox LLC - Henderson

**QC Ref #353412**
**Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	02130516	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	27.5	UGL	110.0	( 85-115 )	
LCS2	Perchlorate	25.0	27.5	UGL	110.0	( 85-115 )	
LCS3	Perchlorate	4	4.44	UGL	111.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.5	UGL	102.0	( 70-130 )	
MSD	Perchlorate	25.0	24.9	UGL	99.6	( 70-130 )	
RPD_LCS	Perchlorate	110.000	110.000	UGL	0.0	( 0-20 )	
RPD_MS	Perchlorate	102.000	99.600	UGL	2.4	( 0-20 )	

**QC Ref #353577**
**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	02130526	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	3128	3112	MGL		( 0-10 )	0.5
LCS1	Total Dissolved Solid (TDS)	175	166	MGL	94.9	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	672	MGL	96.0	( 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)	94.857	96.000	MGL	1.2	( 0-20 )	

**QC Ref #353579**
**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	02150075	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	350	362	MGL		( 0-10 )	3.4
LCS1	Total Dissolved Solid (TDS)	175	168	MGL	96.0	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	672	MGL	96.0	( 85-115 )	
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)	96.000	96.000	MGL	0.0	( 0-20 )	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
 Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates  
 are advisory only, unless otherwise specified in the method.

Tronox LLC - Henderson  
(continued)

QC Ref #353777

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	02130502	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	24.2	UGL	96.8	( 85-115 )	
LCS2	Perchlorate	25.0	24.3	UGL	97.2	( 85-115 )	
LCS3	Perchlorate	4	4.30	UGL	107.5	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.1	UGL	88.4	( 70-130 )	
MSD	Perchlorate	25.0	22.6	UGL	90.4	( 70-130 )	
RPD_LCS	Perchlorate	96.800	97.200	UGL	0.4	( 0-20 )	
RPD_MS	Perchlorate	88.400	90.400	UGL	2.2	( 0-20 )	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates  
are advisory only, unless otherwise specified in the method.