



# 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)

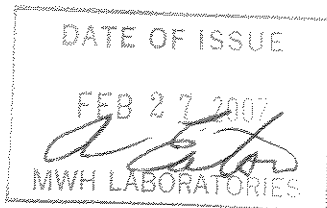
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton  
Project Manager



Report#: 196553  
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 12 page[s].



# CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES

196553

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

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JK

SAMPLE TEMP, RECEIPT AT LAB: 29

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

KERRMCGEE-MP

PROJECT JOB # / P.O.#

Collection Wells Fields - Weekly - SO #12373

Sampler Michele Brown

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

Susan Crowley (702) 651-2200

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

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

(check for yes)

SAMPLER COMMENTS

MATRIX

GRAB

COMP

CL04

TD5

OR

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	CL04	TD5	OR	SAMPLER COMMENTS
0530	2/19/07		ART-1	RSW	X		X			SBO - 12373 & 18787
0530	2/19/07		ART-2	RSW	X		X			
0530	2/19/07		ART-3	RSW	X		X			
0530	2/19/07		ART-4	RSW	X		X			
0530	2/19/07		ART-5	RSW	X		X			NO SAMPLE
0530	2/19/07		ART-6	RSW	X		X			
0530	2/19/07		ART-7	RSW	X		X			
0530	2/19/07		ART-8	RSW	X		X			
0600	2/19/07		PC-99R2/R3	RSW	X		X			
0600	2/19/07		PC-115R	RSW	X		X			
0600	2/19/07		PC-116R	RSW	X		X			
0600	2/19/07		Seep Surface Flow	RSW	X		X			

\* MATRIX TYPES:

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

Reported by Weight:  
SO = Soil  
SL = Sludge

RGW = Raw Ground Water  
RSW = Raw Surface Water

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

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY: Michele Brown

RECEIVED BY: [Signature]

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

DATE: 2/19/2007  
TIME: 12:00pm



MLABS USE ONLY:

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

SAMPLES CHECKED/LOGGED IN BY: [Signature]

SAMPLE TEMP, RECEIPT AT LAB: 20°

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												SAMPLER COMMENTS				
KERRMAGEE-MP		Collection Wells Fields - Monthly - SO #12373		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)																
Sampler Signature: <u>Michele Brown</u> Susan Crowley (702) 651-2200		Tronox LLC - Henderson Plant LLC PO Box 55 Henderson, NV 89009																		
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	Total ClO <sub>2</sub>	TDS	CR											
6:00	2/19/07		SF-1	RSW	X		X	X												
6:00	2/19/07		PC-117	RSW	X		X	X												
6:00	2/19/07		PC-118	RSW	X		X	X												
6:00	2/19/07		PC-119	RSW	X		X	X												
6:00	2/19/07		PC-120	RSW	X		X	X												
6:00	2/19/07		PC-121	RSW	X		X	X												
6:00	2/19/07		PC-133	RSW	X		X	X												
5:30	2/19/07		ART-9	RSW	X		X	X												

Reported by Volume:

CFW = Chlor(amin)ated Finished Water  
FW = Other Finished Water

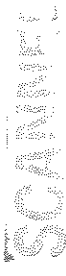
Reported by Weight:

SO = Soil  
SL = Sludge  
CWW = Chlorinated Waste Water  
WW = Other Waste Water  
SW = Storm Water

\* MATRIX TYPES:

RGW = Raw Ground Water  
RSW = Raw Surface Water

RELINQUISHED BY: <u>Michele Brown</u>	SIGNATURE	COMPANY/TITLE	DATE	TIME
RECEIVED BY: <u>[Signature]</u>		Veolia Water for Tronox LLC - Henderson Plant	2/19/2007	1200pm
RELINQUISHED BY:				
RECEIVED BY:				





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 Ironox LLC- Henderson Standing**

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

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

W Weekly  
 Week 1

SO# 34338 12373 RS

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

Created by 0 Ship Sample Kits to  
 Order Date Veolia Water-Tronox LLC  
 01/22/07 Gate 1  
 Date Needed 8000 West Lake Mead Drive  
 by Client Henderson, NV 89015

Billing Address  
 Ironox LLC  
 Attn: Accounts Payable  
 P.O. 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#**

# of Samples Tests

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

UN#

Important Comments

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	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  
 PO#: Susan Crowley PO  
 Group#: 196553  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **02/20/07**. 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
2702200043	ART-1	CLO4 TDS	Water	19-feb-2007 05:30:00
2702200044	ART-2	CLO4 TDS	Water	19-feb-2007 05:30:00
2702200045	ART-3	CLO4 TDS	Water	19-feb-2007 05:30:00
2702200046	ART-4	CLO4 TDS	Water	19-feb-2007 05:30:00
2702200047	ART-6	CLO4 TDS	Water	19-feb-2007 05:30:00
2702200048	ART-7	CLO4 TDS	Water	19-feb-2007 05:30:00
2702200049	ART-8	CLO4 TDS	Water	19-feb-2007 05:30:00
2702200050	PC-99R2/R3	CLO4 TDS	Water	19-feb-2007 06:00:00
2702200051	PC-115R	CLO4 TDS	Water	19-feb-2007 06:00:00
2702200052	PC-116R	CLO4 TDS	Water	19-feb-2007 06:00:00
2702200053	SEEP SURFACE FLOW	CLO4 TDS	Water	19-feb-2007 06:00:00
2702200054	SF-1	CLO4 TDS	Water	19-feb-2007 06:00:00
2702200055	PC-117	CLO4 TDS	Water	19-feb-2007 06:00:00
2702200056	PC-118	CLO4 TDS	Water	19-feb-2007 06:00:00
2702200057	PC-119	CLO4 TDS	Water	19-feb-2007 06:00:00
2702200058	PC-120	CLO4 TDS	Water	19-feb-2007 06:00:00
2702200059	PC-121	CLO4 TDS	Water	19-feb-2007 06:00:00

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 Group#: 196553  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2702200060	PC-133	CLO4 TDS	Water	19-feb-2007 06:00:00
2702200061	ART-9	CLO4 TDS	Water	19-feb-2007 05:30:00

Test Acronym Description

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



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---

Report  
Comments  
#196553

**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  
#196553

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

Samples Received  
20-feb-2007 10:28:54

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2702200043</b>	<b>ART-1</b>				
02/21/07	Perchlorate		169		ug/l	10
02/21/07	Total Dissolved Solid (TDS)		7230	500	mg/l	10
	<b>2702200044</b>	<b>ART-2</b>				
02/21/07	Perchlorate		115000		ug/l	20000
02/21/07	Total Dissolved Solid (TDS)		9370	500	mg/l	10
	<b>2702200045</b>	<b>ART-3</b>				
02/21/07	Perchlorate		381000		ug/l	40000
02/21/07	Total Dissolved Solid (TDS)		8370	500	mg/l	10
	<b>2702200046</b>	<b>ART-4</b>				
02/21/07	Perchlorate		373000		ug/l	40000
02/21/07	Total Dissolved Solid (TDS)		6290	500	mg/l	10
	<b>2702200047</b>	<b>ART-6</b>				
02/21/07	Perchlorate		79700		ug/l	20000
02/21/07	Total Dissolved Solid (TDS)		7590	500	mg/l	10
	<b>2702200048</b>	<b>ART-7</b>				
02/21/07	Perchlorate		150000		ug/l	20000
02/21/07	Total Dissolved Solid (TDS)		9520	500	mg/l	10
	<b>2702200049</b>	<b>ART-8</b>				

SUMMARY OF POSITIVE DATA ONLY.





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 Hits Report  
 #196553

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

Samples Received  
 20-feb-2007 10:28:54

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2702200049</b>	<b>ART-8</b>				
02/21/07	Perchlorate		317000		ug/l	40000
02/21/07	Total Dissolved Solid (TDS)		9660	500	mg/l	10
	<b>2702200050</b>	<b>PC-99R2/R3</b>				
02/21/07	Perchlorate		17700		ug/l	2000
02/21/07	Total Dissolved Solid (TDS)		4470	500	mg/l	10
	<b>2702200051</b>	<b>PC-115R</b>				
02/21/07	Perchlorate		16300		ug/l	2000
02/21/07	Total Dissolved Solid (TDS)		4360	500	mg/l	10
	<b>2702200052</b>	<b>PC-116R</b>				
02/21/07	Perchlorate		11900		ug/l	2000
02/21/07	Total Dissolved Solid (TDS)		4700	500	mg/l	10
	<b>2702200053</b>	<b>SEEP SURFACE FLOW</b>				
02/21/07	Perchlorate		1370		ug/l	200
02/21/07	Total Dissolved Solid (TDS)		3400	500	mg/l	10
	<b>2702200054</b>	<b>SF-1</b>				
02/21/07	Total Dissolved Solid (TDS)		6070	500	mg/l	10
	<b>2702200055</b>	<b>PC-117</b>				
02/22/07	Perchlorate		5920		ug/l	400

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Laboratory  
Hits Report  
#196553

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

Samples Received  
20-feb-2007 10:28:54

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2702200055	PC-117				
02/21/07	Total Dissolved Solid (TDS)		4110	500	mg/l	10
	2702200056	PC-118				
02/22/07	Perchlorate		12000		ug/l	2000
02/21/07	Total Dissolved Solid (TDS)		4120	500	mg/l	10
	2702200057	PC-119				
02/22/07	Perchlorate		7890		ug/l	400
02/21/07	Total Dissolved Solid (TDS)		3820	500	mg/l	10
	2702200058	PC-120				
02/22/07	Perchlorate		3350		ug/l	400
02/21/07	Total Dissolved Solid (TDS)		3080	500	mg/l	10
	2702200059	PC-121				
02/22/07	Perchlorate		2580		ug/l	400
02/21/07	Total Dissolved Solid (TDS)		2950	500	mg/l	10
	2702200060	PC-133				
02/22/07	Perchlorate		9410		ug/l	400
02/21/07	Total Dissolved Solid (TDS)		4210	500	mg/l	10
	2702200061	ART-9				
02/22/07	Perchlorate		332000		ug/l	20000

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Hits Report  
#196553

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

Samples Received  
20-feb-2007 10:28:54

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2702200061	ART-9				
02/21/07	Total Dissolved Solid (TDS)		7490	500	mg/l	10



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Laboratory  
Data Report  
#196553

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

Samples Received  
02/20/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>ART-1 (2702200043)      Sampled on 02/19/07 05:30</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	169	ug/l	10	5
02/21/07	02/21/07 15:14	354480	( SM 2540C	) Total Dissolved Solid (TDS)	7230	mg/l	10	1
<b>ART-2 (2702200044)      Sampled on 02/19/07 05:30</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	115000	ug/l	20000	5000
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	9370	mg/l	10	1
<b>ART-3 (2702200045)      Sampled on 02/19/07 05:30</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	381000	ug/l	40000	10000
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	8370	mg/l	10	1
<b>ART-4 (2702200046)      Sampled on 02/19/07 05:30</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	373000	ug/l	40000	10000
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	6290	mg/l	10	1
<b>ART-6 (2702200047)      Sampled on 02/19/07 05:30</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	79700	ug/l	20000	5000
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	7590	mg/l	10	1
<b>ART-7 (2702200048)      Sampled on 02/19/07 05:30</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	150000	ug/l	20000	5000
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	9520	mg/l	10	1
<b>ART-8 (2702200049)      Sampled on 02/19/07 05:30</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	317000	ug/l	40000	10000
02/21/07	02/21/07 16:16	354481	( 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 (2702200050)                      Sampled on 02/19/07 06:00</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	17700	ug/l	2000	500
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	4470	mg/l	10	1
<b>PC-115R (2702200051)                      Sampled on 02/19/07 06:00</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	16300	ug/l	2000	500
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	4360	mg/l	10	1
<b>PC-116R (2702200052)                      Sampled on 02/19/07 06:00</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	11900	ug/l	2000	500
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	4700	mg/l	10	1
<b>SEEP SURFACE FLOW (2702200053)                      Sampled on 02/19/07 06:00</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	1370	ug/l	200	50
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	3400	mg/l	10	1
<b>SF-1 (2702200054)                      Sampled on 02/19/07 06:00</b>								
	02/21/07 00:00	354147	( EPA 314	) Perchlorate	ND	ug/l	10	5
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	6070	mg/l	10	1
<b>PC-117 (2702200055)                      Sampled on 02/19/07 06:00</b>								
	02/22/07 00:00	354147	( EPA 314	) Perchlorate	5920	ug/l	400	100
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	4110	mg/l	10	1
<b>PC-118 (2702200056)                      Sampled on 02/19/07 06:00</b>								
	02/22/07 00:00	354147	( EPA 314	) Perchlorate	12000	ug/l	2000	500
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	4120	mg/l	10	1
<b>PC-119 (2702200057)                      Sampled on 02/19/07 06:00</b>								
	02/22/07 00:00	354147	( EPA 314	) Perchlorate	7890	ug/l	400	100
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	3820	mg/l	10	1



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#196553

Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-120 (2702200058)                    Sampled on 02/19/07 06:00</b>								
	02/22/07 00:00	354379	( EPA 314	) Perchlorate	3350	ug/l	400	100
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	3080	mg/l	10	1
<b>PC-121 (2702200059)                    Sampled on 02/19/07 06:00</b>								
	02/22/07 00:00	354379	( EPA 314	) Perchlorate	2580	ug/l	400	100
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	2950	mg/l	10	1
<b>PC-133 (2702200060)                    Sampled on 02/19/07 06:00</b>								
	02/22/07 00:00	354379	( EPA 314	) Perchlorate	9410	ug/l	400	100
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	4210	mg/l	10	1
<b>ART-9 (2702200061)                    Sampled on 02/19/07 05:30</b>								
	02/22/07 00:00	354379	( EPA 314	) Perchlorate	332000	ug/l	20000	5000
02/21/07	02/21/07 16:16	354481	( SM 2540C	) Total Dissolved Solid (TDS)	7490	mg/l	10	1



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Laboratory  
QC Summary  
#196553

Tronox LLC - Henderson

**QC Ref #354147 - Perchlorate**

**Analysis Date: 02/21/2007**

2702200043	ART-1	Analyzed by: raja
2702200044	ART-2	Analyzed by: raja
2702200045	ART-3	Analyzed by: raja
2702200046	ART-4	Analyzed by: raja
2702200047	ART-6	Analyzed by: raja
2702200048	ART-7	Analyzed by: raja
2702200049	ART-8	Analyzed by: raja
2702200050	PC-99R2/R3	Analyzed by: raja
2702200051	PC-115R	Analyzed by: raja
2702200052	PC-116R	Analyzed by: raja
2702200053	SEEP SURFACE FLOW	Analyzed by: raja
2702200054	SF-1	Analyzed by: raja
2702200055	PC-117	Analyzed by: raja
2702200056	PC-118	Analyzed by: raja
2702200057	PC-119	Analyzed by: raja

**QC Ref #354379 - Perchlorate**

**Analysis Date: 02/22/2007**

2702200058	PC-120	Analyzed by: raja
2702200059	PC-121	Analyzed by: raja
2702200060	PC-133	Analyzed by: raja
2702200061	ART-9	Analyzed by: raja

**QC Ref #354480 - Total Dissolved Solid (TDS)**

**Analysis Date: 02/21/2007**

2702200043	ART-1	Analyzed by: anh
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**QC Ref #354481 - Total Dissolved Solid (TDS)**

**Analysis Date: 02/21/2007**

2702200044	ART-2	Analyzed by: anh
2702200045	ART-3	Analyzed by: anh
2702200046	ART-4	Analyzed by: anh
2702200047	ART-6	Analyzed by: anh
2702200048	ART-7	Analyzed by: anh
2702200049	ART-8	Analyzed by: anh
2702200050	PC-99R2/R3	Analyzed by: anh
2702200051	PC-115R	Analyzed by: anh
2702200052	PC-116R	Analyzed by: anh
2702200053	SEEP SURFACE FLOW	Analyzed by: anh
2702200054	SF-1	Analyzed by: anh



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QC Summary  
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Tronox LLC - Henderson  
(continued)

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2702200055	PC-117	Analyzed by: anh
2702200056	PC-118	Analyzed by: anh
2702200057	PC-119	Analyzed by: anh
2702200058	PC-120	Analyzed by: anh
2702200059	PC-121	Analyzed by: anh
2702200060	PC-133	Analyzed by: anh
2702200061	ART-9	Analyzed by: anh





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Laboratory  
QC Report  
#196553

Tronox LLC - Henderson

## QC Ref #354147

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	02200046	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	24.8	UGL	99.2	( 85-115 )	
LCS2	Perchlorate	25.0	24.6	UGL	98.4	( 85-115 )	
LCS3	Perchlorate	4	4.25	UGL	106.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.2	UGL	92.8	( 70-130 )	
MSD	Perchlorate	25.0	25.1	UGL	100.4	( 70-130 )	
RPD_LCS	Perchlorate	99.200	98.400	UGL	0.8	( 0-20 )	
RPD_MS	Perchlorate	92.800	100.400	UGL	7.9	( 0-20 )	

## QC Ref #354379

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	02210091	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.0	UGL	100.0	( 85-115 )	
LCS2	Perchlorate	25.0	25.7	UGL	102.8	( 85-115 )	
LCS3	Perchlorate	4	3.86	UGL	96.5	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.2	UGL	88.8	( 70-130 )	
MSD	Perchlorate	25.0	22.1	UGL	88.4	( 70-130 )	
RPD_LCS	Perchlorate	100.000	102.800	UGL	2.8	( 0-20 )	
RPD_MS	Perchlorate	88.800	88.400	UGL	0.5	( 0-20 )	

## QC Ref #354480

## Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01310048	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	6120	6190	MGL		( 0-10 )	1.1
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			

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.



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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 )

QC Ref #354481      Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	02200044	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	9370	9700	MGL		( 0-10 )	3.5
LCS1	Total Dissolved Solid (TDS)	175	166	MGL	94.9	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	664	MGL	94.9	( 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)	94.857	94.857	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.