



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)

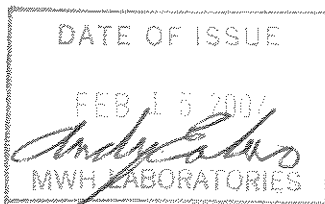
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager

Report#194651R replaces the original Report.



Report#: 194651R
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].

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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 reflect reanalysis for TDS.

(QC Ref#: 2701300334)

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

H2- Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

(QC Ref#: 2701300335)

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

H2- Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

(QC Ref#: 2701300338)

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

H2- Initial analysis within holding time. Reanalysis for the required dilution was past holding time.



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Laboratory
Hits Report
#194651

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

Samples Received
30-jan-2007 15:36:05

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2701300333	ART-1				
02/01/07	Perchlorate		203		ug/l	40
02/01/07	Total Dissolved Solid (TDS)		7640	500	mg/l	10
	2701300334	ART-2				
02/01/07	Perchlorate		117000		ug/l	20000
02/10/07	Total Dissolved Solid (TDS)		9340	500	mg/l	10
	2701300335	ART-3				
02/01/07	Perchlorate		382000		ug/l	40000
02/10/07	Total Dissolved Solid (TDS)		8780	500	mg/l	10
	2701300336	ART-4				
02/01/07	Perchlorate		366000		ug/l	40000
02/01/07	Total Dissolved Solid (TDS)		6410	500	mg/l	10
	2701300337	ART-6				
02/01/07	Perchlorate		76800		ug/l	20000
02/01/07	Total Dissolved Solid (TDS)		7500	500	mg/l	10
	2701300338	ART-7				
02/01/07	Perchlorate		142000		ug/l	20000
02/10/07	Total Dissolved Solid (TDS)		9980	500	mg/l	10
	2701300339	ART-8				

SUMMARY OF POSITIVE DATA ONLY.



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Samples Received
 30-jan-2007 15:36:05

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2701300339	ART-8				
02/01/07	Perchlorate		303000		ug/l	40000
02/01/07	Total Dissolved Solid (TDS)		9420	500	mg/l	10
	2701300340	PC-99R2/R3				
02/01/07	Perchlorate		14900		ug/l	2000
02/01/07	Total Dissolved Solid (TDS)		4040	500	mg/l	10
	2701300341	PC-115R				
02/01/07	Perchlorate		13400		ug/l	2000
02/01/07	Total Dissolved Solid (TDS)		4040	500	mg/l	10
	2701300342	PC-116R				
02/01/07	Perchlorate		10100		ug/l	2000
02/01/07	Total Dissolved Solid (TDS)		4500	500	mg/l	10
	2701300343	SEEP SURFACE FLOW				
02/01/07	Perchlorate		3760		ug/l	400
02/01/07	Total Dissolved Solid (TDS)		7100	500	mg/l	10
	2701300344	SF-1				
02/01/07	Total Dissolved Solid (TDS)		6130	500	mg/l	10
	2701300345	PC-117				
02/01/07	Perchlorate		5990		ug/l	2000

SUMMARY OF POSITIVE DATA ONLY.



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Samples Received
30-jan-2007 15:36:05

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2701300345	PC-117				
02/01/07	Total Dissolved Solid (TDS)		4410	500	mg/l	10
	2701300346	PC-118				
02/01/07	Perchlorate		11500		ug/l	2000
02/01/07	Total Dissolved Solid (TDS)		4130	500	mg/l	10
	2701300347	PC-119				
02/01/07	Perchlorate		9400		ug/l	2000
02/01/07	Total Dissolved Solid (TDS)		4050	500	mg/l	10
	2701300348	PC-120				
02/01/07	Perchlorate		3610		ug/l	400
02/01/07	Total Dissolved Solid (TDS)		3210	500	mg/l	10
	2701300349	PC-121				
02/01/07	Perchlorate		2890		ug/l	400
02/01/07	Total Dissolved Solid (TDS)		3040	500	mg/l	10
	2701300350	PC-133				
02/01/07	Perchlorate		8390		ug/l	800
02/01/07	Total Dissolved Solid (TDS)		4220	500	mg/l	10
	2701300351	ART-9				
02/01/07	Perchlorate		329000		ug/l	20000

SUMMARY OF POSITIVE DATA ONLY.



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Samples Received
30-jan-2007 15:36:05

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2701300351	ART-9				
02/01/07	Total Dissolved Solid (TDS)		7170	500	mg/l	10



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 Henderson , NV 89009

Samples Received
 01/30/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-1 (2701300333) Sampled on 01/29/07 05:30								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	203	ug/l	40	10
02/01/07	02/01/07 17:17	351212	(SM 2540C	) Total Dissolved Solid (TDS)	7640	mg/l	10	1
ART-2 (2701300334) Sampled on 01/29/07 05:30								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	117000	ug/l	20000	5000
02/10/07	02/10/07 16:14	352903	(SM 2540C	) Total Dissolved Solid (TDS)	9340 (H2)	mg/l	10	1
ART-3 (2701300335) Sampled on 01/29/07 05:30								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	382000	ug/l	40000	10000
02/10/07	02/10/07 16:14	352903	(SM 2540C	) Total Dissolved Solid (TDS)	8780 (H2)	mg/l	10	1
ART-4 (2701300336) Sampled on 01/29/07 05:30								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	366000	ug/l	40000	10000
02/01/07	02/01/07 17:17	351212	(SM 2540C	) Total Dissolved Solid (TDS)	6410	mg/l	10	1
ART-6 (2701300337) Sampled on 01/29/07 05:30								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	76800	ug/l	20000	5000
02/01/07	02/01/07 17:17	351212	(SM 2540C	) Total Dissolved Solid (TDS)	7500	mg/l	10	1
ART-7 (2701300338) Sampled on 01/29/07 05:30								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	142000	ug/l	20000	5000
02/10/07	02/10/07 16:14	352903	(SM 2540C	) Total Dissolved Solid (TDS)	9980 (H2)	mg/l	10	1
ART-8 (2701300339) Sampled on 01/29/07 05:30								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	303000	ug/l	40000	10000
02/01/07	02/01/07 17:17	351212	(SM 2540C) Total Dissolved Solid (TDS)	9420	mg/l	10	1



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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-99R2/R3 (2701300340) Sampled on 01/29/07 06:00								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	14900	ug/l	2000	500
02/01/07	02/01/07 17:17	351212	(SM 2540C	) Total Dissolved Solid (TDS)	4040	mg/l	10	1
PC-115R (2701300341) Sampled on 01/29/07 06:00								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	13400	ug/l	2000	500
02/01/07	02/01/07 17:17	351212	(SM 2540C	) Total Dissolved Solid (TDS)	4040	mg/l	10	1
PC-116R (2701300342) Sampled on 01/29/07 06:00								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	10100	ug/l	2000	500
02/01/07	02/01/07 18:02	351213	(SM 2540C	) Total Dissolved Solid (TDS)	4500	mg/l	10	1
SEEP SURFACE FLOW (2701300343) Sampled on 01/29/07 06:00								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	3760	ug/l	400	100
02/01/07	02/01/07 18:02	351213	(SM 2540C	) Total Dissolved Solid (TDS)	7100	mg/l	10	1
SF-1 (2701300344) Sampled on 01/29/07 06:00								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	ND	ug/l	10	5
02/01/07	02/01/07 18:02	351213	(SM 2540C	) Total Dissolved Solid (TDS)	6130	mg/l	10	1
PC-117 (2701300345) Sampled on 01/29/07 06:00								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	5990	ug/l	2000	500
02/01/07	02/01/07 18:02	351213	(SM 2540C	) Total Dissolved Solid (TDS)	4410	mg/l	10	1
PC-118 (2701300346) Sampled on 01/29/07 06:00								
	02/01/07 00:00	350795	(EPA 314	) Perchlorate	11500	ug/l	2000	500
02/01/07	02/01/07 18:02	351213	(SM 2540C	) Total Dissolved Solid (TDS)	4130	mg/l	10	1
PC-119 (2701300347) Sampled on 01/29/07 06:00								
	02/01/07 00:01	351054	(EPA 314	) Perchlorate	9400	ug/l	2000	500
02/01/07	02/01/07 18:02	351213	(SM 2540C) Total Dissolved Solid (TDS)	4050	mg/l	10	1



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Laboratory
Data Report
#194651

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-120 (2701300348)		Sampled on 01/29/07 06:00						
	02/01/07 00:01	351054	(EPA 314)	Perchlorate	3610	ug/l	400	100
02/01/07	02/01/07 18:02	351213	(SM 2540C)	Total Dissolved Solid (TDS)	3210	mg/l	10	1
PC-121 (2701300349)		Sampled on 01/29/07 06:00						
	02/01/07 00:01	351054	(EPA 314)	Perchlorate	2890	ug/l	400	100
02/01/07	02/01/07 18:02	351213	(SM 2540C)	Total Dissolved Solid (TDS)	3040	mg/l	10	1
PC-133 (2701300350)		Sampled on 01/29/07 06:00						
	02/01/07 00:01	351054	(EPA 314)	Perchlorate	8390	ug/l	800	200
02/01/07	02/01/07 18:02	351213	(SM 2540C)	Total Dissolved Solid (TDS)	4220	mg/l	10	1
ART-9 (2701300351)		Sampled on 01/29/07 05:30						
	02/01/07 00:01	351054	(EPA 314)	Perchlorate	329000	ug/l	20000	5000
02/01/07	02/01/07 17:17	351212	(SM 2540C)	Total Dissolved Solid (TDS)	7170	mg/l	10	1



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Laboratory
QC Summary
#194651

Tronox LLC - Henderson

QC Ref #350795 - Perchlorate

Analysis Date: 02/01/2007

2701300333	ART-1	Analyzed by: raja
2701300334	ART-2	Analyzed by: raja
2701300335	ART-3	Analyzed by: raja
2701300336	ART-4	Analyzed by: raja
2701300337	ART-6	Analyzed by: raja
2701300338	ART-7	Analyzed by: raja
2701300339	ART-8	Analyzed by: raja
2701300340	PC-99R2/R3	Analyzed by: raja
2701300341	PC-115R	Analyzed by: raja
2701300342	PC-116R	Analyzed by: raja
2701300343	SEEP SURFACE FLOW	Analyzed by: raja
2701300344	SF-1	Analyzed by: raja
2701300345	PC-117	Analyzed by: raja
2701300346	PC-118	Analyzed by: raja

QC Ref #351054 - Perchlorate

Analysis Date: 02/01/2007

2701300347	PC-119	Analyzed by: raja
2701300348	PC-120	Analyzed by: raja
2701300349	PC-121	Analyzed by: raja
2701300350	PC-133	Analyzed by: raja
2701300351	ART-9	Analyzed by: raja

QC Ref #351212 - Total Dissolved Solid (TDS)

Analysis Date: 02/01/2007

2701300333	ART-1	Analyzed by: anh
2701300336	ART-4	Analyzed by: anh
2701300337	ART-6	Analyzed by: anh
2701300339	ART-8	Analyzed by: anh
2701300340	PC-99R2/R3	Analyzed by: anh
2701300341	PC-115R	Analyzed by: anh
2701300351	ART-9	Analyzed by: anh

QC Ref #351213 - Total Dissolved Solid (TDS)

Analysis Date: 02/01/2007

2701300342	PC-116R	Analyzed by: anh
2701300343	SEEP SURFACE FLOW	Analyzed by: anh
2701300344	SF-1	Analyzed by: anh
2701300345	PC-117	Analyzed by: anh
2701300346	PC-118	Analyzed by: anh



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Laboratory
QC Summary
#194651

Tronox LLC - Henderson
(continued)

2701300347	PC-119	Analyzed by: anh
2701300348	PC-120	Analyzed by: anh
2701300349	PC-121	Analyzed by: anh
2701300350	PC-133	Analyzed by: anh

QC Ref #352903 - Total Dissolved Solid (TDS) Analysis Date: 02/10/2007

2701300334	ART-2	Analyzed by: anh
2701300335	ART-3	Analyzed by: anh
2701300338	ART-7	Analyzed by: anh



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Laboratory
QC Report
#194651

Tronox LLC - Henderson

QC Ref #350795

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	01300715	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.7	UGL	94.8	(85-115)	
LCS2	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS3	Perchlorate	4	3.48	UGL	87.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	26.9	UGL	107.6	(70-130)	
MSD	Perchlorate	25.0	22.6	UGL	90.4	(70-130)	
RPD_LCS	Perchlorate	94.800	98.400	UGL	3.7	(0-20)	
RPD_MS	Perchlorate	107.600	90.400	UGL	17.4	(0-20)	

QC Ref #351054

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	01300347	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.7	UGL	94.8	(85-115)	
LCS2	Perchlorate	25.0	23.4	UGL	93.6	(85-115)	
LCS3	Perchlorate	4	3.75	UGL	93.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.0	UGL	96.0	(70-130)	
MSD	Perchlorate	25.0	23.6	UGL	94.4	(70-130)	
RPD_LCS	Perchlorate	94.800	93.600	UGL	1.3	(0-20)	
RPD_MS	Perchlorate	96.000	94.400	UGL	1.7	(0-20)	

QC Ref #351212

Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01300526	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	490	486	MGL		(0-10)	0.8
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(85-115)	
LCS2	Total Dissolved Solid (TDS)	700	692	MGL	98.9	(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.

Tronox LLC - Henderson
 (continued)

MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	90.286	98.857	MGL	9.1	(0-20)

QC Ref #351213 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01300342	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	4500	4480	MGL		(0-10)	0.4
LCS1	Total Dissolved Solid (TDS)	175	168	MGL	96.0	(85-115)	
LCS2	Total Dissolved Solid (TDS)	700	678	MGL	96.9	(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)	96.000	96.857	MGL	0.9	(0-20)	

QC Ref #352903 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01300334	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	9340	9340	MGL		(0-10)	0.0
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	(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)	93.714	94.857	MGL	1.2	(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.