



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)

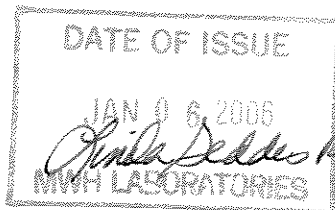
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: 702-651-2310



ADE Andy Eaton
Project Manager



Report#: 163776
CL04

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 6 page[s].



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

163776

MWLABS USE ONLY:

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016-3629
(626) 568-6400 (800) 566-5227

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: *[Signature]*

SAMPLE TEMP, RECEIPT AT LAB: *[Signature]*

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 <input type="checkbox"/> (check for yes)															
KERRMCGEE-IP Wendy Prescott <i>Wendy Prescott</i>		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 *	GRAB	COMP	Total CrO ₃	Total Chromium	Hexavalent Chromium	Total CrO ₃	NO ₃ as N	SAMPLER COMMENTS							
10:00 AM	12-11-13, 15-05		GWTP Discharge	RSW		X	X	X	X	X	X	Total Cr sample preserved with HNO ₃ .							
10:00 AM	12/15/2005		GWTP West Well Feed	RSW	X		X	X				Total Cr sample preserved with HNO ₃ .							
10:00 AM	12/15/2005		GWTP East Well Feed	RSW	X		X	X				Total Cr sample preserved with HNO ₃ .							
												East & West CLO4 added beginning 11-11-04							

* MATRIX TYPES:

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

RGW = Raw Ground Water
RSW = Raw Surface Water

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

Reported by Weight:
SO = Soil
SL = Sludge

RELINQUISHED BY: <i>Wendy Prescott</i>	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:		Wendy Prescott	Veolia Water NA for Tronox LLC - Henderson Plant	12/15/2005	12:00
RELINQUISHED BY:					
RECEIVED BY:	<i>[Signature]</i>			12/16	11:54

SCANNED PAGE 1 of 1

weekly gwtp comp revised 11-11-04



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 Kerr McGee Chemical Company - Henderson

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

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

W Weekly
Week 1

SO# 27627 16287 RS

Sampler: Please Return this Paper with your samples

Created by EEF

Order Date

12/05/05

Date Needed
by Client

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

Send Report to

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

Billing Address

KMCLLC
attn: Contract 304280
P.O. Box 3049
Livonia, MI 48150

Date Samples
to Arrive at MWL

ATTN: Susan Crowley
PHONE: 702-651-2234

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

Quote#

EEF

SHIP LOCATION

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
3	CR	1 250 ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	GWTP WEST WELL FEED
3	CR-VI	1 125ml poly acid rinsed/ no preservative :SHORT HOLDING TIME!!!!		GWTP EAST WELL FEED
1	CLO3	1 60ml poly+0.60 mL 5% EDA sol'n	UN 1604	GWTP DISCHARGE
3	CLO4	1 125ml poly /no preservative AMBER IF WITH CLO3!		CLO4, CLO3, NO3RFA on DISCHARGE
1	NO3RFA	1 250 ml poly+ 1 ml H2SO4 (50%)	UN 2796	CR, and CRVI and CLO4 on all samples
				Please sample late in the day and send via priority overnight to ensure that we receive CRVI within hold time whenever possible.
				SHIPPING - PLEASE PRELABEL BOTTLES
				revised 4/29/04 lxxg
				revised 11/4/04 ade
				shipping - the CLO3 bottle has been missed several times - please be sure it is included!

Prepared By

Carrier Qty of Coolers Tracking Number

Date Shipped

Status

ActiveCode

RECEIVED

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#: 163776
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **12/16/05**. 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
2512160139	GWTP DISCHARGE	CLO3 CLO4	Water	15-dec-2005 10:00:00
		T	CR CR-VI	NO3 P
2512160141	GWTP WEST WELL FEED	CLO4 CR	Water	15-dec-2005 10:00:00
			CR-VI P	T
2512160142	GWTP EAST WELL FEED	CLO4 CR	Water	15-dec-2005 10:00:00
			CR-VI P	T

Test Acronym Description

Test Acronym	Description
CLO3	Chlorate by IC
CLO4	Perchlorate
CR	Chromium, Total, ICAP
CR-VI	Hexavalent chromium (Cr VI)
NO3	Nitrate as Nitrogen by IC
P	Metals sample pH
T	Metals Turbidity



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: _____

(QC Ref#: 2512160139)

Test: Hexavalent chromium (Cr VI) (MWH SW7196)

H3- Sample was received and analyzed past holding time.

(QC Ref#: 2512160141)

Test: Hexavalent chromium (Cr VI) (MWH SW7196)

H3- Sample was received and analyzed past holding time.

(QC Ref#: 2512160142)

Test: Hexavalent chromium (Cr VI) (MWH SW7196)

H3- Sample was received and analyzed past holding time.



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Laboratory
Hits Report
#163776

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

Samples Received
16-dec-2005 16:30:51

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2512160139	GWTP DISCHARGE				
12/19/05		Chlorate by IC	4920000		ug/l	200000
12/28/05		Nitrate + Nitrite as N by RFA	63	10	mg/l	5
12/29/05		Perchlorate	1840000		ug/l	200000
	2512160141	GWTP WEST WELL FEED				
12/19/05		Chromium, Total, ICAP	2.2		mg/l	0.1
12/16/05		Hexavalent chromium (Cr VI)	2.4		mg/l	0.05
12/29/05		Perchlorate	3400000		ug/l	200000
	2512160142	GWTP EAST WELL FEED				
12/19/05		Chromium, Total, ICAP	17		mg/l	0.2
12/16/05		Hexavalent chromium (Cr VI)	18		mg/l	0.25
12/29/05		Perchlorate	1400000		ug/l	200000

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
 Data Report
 #163776

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

Samples Received
 12/16/05

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
GWTP DISCHARGE (2512160139)				Sampled on 12/15/05 10:00				
12/19/05 00:00	300254	(ML/EPA 300.1)	Chlorate by IC	4920000	ug/l	200000	20000	
12/29/05 19:44	301356	(EPA 314)	Perchlorate	1840000	ug/l	200000	50000	
12/19/05 15:04	300144	(MWH200.7/6010B)	Chromium, Total, ICAP	ND	mg/l	0.02	2	
12/16/05 00:00	299832	(MWH SW7196)	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.01	2	
12/28/05 00:00	301093	(ML/EPA 353.2)	Nitrate + Nitrite as N by RFA	63	mg/l	5	50	
GWTP WEST WELL FEED (2512160141)				Sampled on 12/15/05 10:00				
12/29/05 20:01	301356	(EPA 314)	Perchlorate	3400000	ug/l	200000	50000	
12/19/05 15:18	300144	(MWH200.7/6010B)	Chromium, Total, ICAP	2.2	mg/l	0.1	10	
12/16/05 00:00	299832	(MWH SW7196)	Hexavalent chromium (Cr VI)	2.4(H3)	mg/l	0.05	10	
GWTP EAST WELL FEED (2512160142)				Sampled on 12/15/05 10:00				
12/29/05 20:18	301356	(EPA 314)	Perchlorate	1400000	ug/l	200000	50000	
12/19/05 15:22	300144	(MWH200.7/6010B)	Chromium, Total, ICAP	17	mg/l	0.2	20	
12/16/05 00:00	299832	(MWH SW7196)	Hexavalent chromium (Cr VI)	18(H3)	mg/l	0.25	50	



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Laboratory
QC Summary
#163776

Tronox LLC - Henderson

QC Ref #299832 - Hexavalent chromium (Cr VI) Analysis Date: 12/16/2005

2512160139	GWTP DISCHARGE	Analyzed by: wbh
2512160141	GWTP WEST WELL FEED	Analyzed by: wbh
2512160142	GWTP EAST WELL FEED	Analyzed by: wbh

QC Ref #300144 - Chromium, Total, ICAP Analysis Date: 12/19/2005

2512160139	GWTP DISCHARGE	Analyzed by: wbh
2512160141	GWTP WEST WELL FEED	Analyzed by: wbh
2512160142	GWTP EAST WELL FEED	Analyzed by: wbh

QC Ref #300254 - Chlorate by IC Analysis Date: 12/19/2005

2512160139	GWTP DISCHARGE	Analyzed by: bxs
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QC Ref #301093 - Nitrate + Nitrite as N by RFA Analysis Date: 12/28/2005

2512160139	GWTP DISCHARGE	Analyzed by: clv
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QC Ref #301356 - Perchlorate Analysis Date: 12/29/2005

2512160139	GWTP DISCHARGE	Analyzed by: bxs
2512160141	GWTP WEST WELL FEED	Analyzed by: bxs
2512160142	GWTP EAST WELL FEED	Analyzed by: bxs

Tronox LLC - Henderson

QC Ref #299832 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 25	12160141	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.051	MGL	102.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.050	MGL	100.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.005	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.004	MGL	80.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.50	0.43	MGL	86.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.50	0.44	MGL	88.0	(70-130)	

QC Ref #300144 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.987	MGL	98.7	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.984	MGL	98.4	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.01	MGL			
MS	Chromium, Total, ICAP	1.00	0.983	MGL	98.3	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.976	MGL	97.6	(70-130)	

QC Ref #300254 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 25	12120150	UGL		(0-0)	
LCS1	Chlorate by IC	200	199	UGL	99.5	(75-125)	
LCS2	Chlorate by IC	200	200	UGL	100.0	(75-125)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.000	10.3	UGL	103.0	(50-150)	
MS	Chlorate by IC	100	93	UGL	93.0	(75-125)	
MSD	Chlorate by IC	100	93	UGL	93.0	(75-125)	

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 #301093

Nitrate + Nitrite as N by RFA

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 25	12160139	MGL		(0-0)	
LCS1	Nitrate + Nitrite as N by RFA	1.0	1.02	MGL	102.0	(90-110)	
LCS2	Nitrate + Nitrite as N by RFA	1.0	1.00	MGL	100.0	(90-110)	
MBLK	Nitrate + Nitrite as N by RFA	ND	<0.1	MGL			
MRL_CHK	Nitrate + Nitrite as N by RFA	0.100	0.133	MGL	133.0	(50-150)	
MS	Nitrate + Nitrite as N by RFA	1.0	0.95	MGL	95.0	(90-110)	
MSD	Nitrate + Nitrite as N by RFA	1.0	0.98	MGL	98.0	(90-110)	

QC Ref #301356

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	25.0	24.1	UGL	96.4	(85-115)	
LCS2	Perchlorate	25.0	24.4	UGL	97.6	(85-115)	
MBLK	Perchlorate	ND	<4	UGL			
MS	Perchlorate	25.0	28.6	UGL	114.4	(70-130)	
MSD	Perchlorate	25.0	29.1	UGL	116.4	(70-130)	

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.