

Laboratory Report

for

Tronox LLC - Henderson PO Box 55

Henderson , NV 89009

Attention: Susan Crowley Fax: 702-651-2310

DATE OF ISSUE

Section 1

ADE Andy Eaton Project Manager



Report#: 163218 CLO4

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].

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MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

1000 E

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

MWLABS USE ONLY:

SAMPLES CHECKED/LOGGED IN BY:	SAMPLE TEMP, RECEIPT AT LAB:	BLUE ICE: FROZEN PARTIALLY FROZEN THAWED
LOGIN COMMENTS:		
A 91016-3629		

TO BE COMP	TO BE COMPLETED BY SAMPLER:	R:						***************************************			NOZEN W	PAK IPA	mannesser Color TNOCEN / PAKIBLY FROCEN	
COMPANY/1	COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#				FER TO	ATTA(CHED	3OTTLE	ORDER F	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES	YSES (check for ves)	
KERRMCGEE-MP	J#b	****	Weekly Cr Consent Order Compliance Samples				ANALY	SES RE	OHRE	(mark	"Y' in			
Wendy Presepti	111	/				╀			-			inbal sisai	ed for each sample line)	
3	2000 Collection	Ma Da	Sto Chemical LLC PO Box 55 Henderson, NV 89009	U			······································				········			
TIME	DATE	LOCATION	DENTIFIER, STATE ID#	* XISTAN	COMP	oral CLO4	uimondO lato exavalent Ch	otal CIO ₃	N as εO				SAMPLER COMMENTS	
10:00 AM	12/4,6,8-05		GWTP Discharge	RSW	<u> </u> ×	ı×		-	N ×					
													Total Cr sample preserved with HNO ₃ .	•••
10:00 AM	12/8/2005		GWTP West Well Feed	RSW	 ×	×	×							
													Total Cr sample preserved with HNO ₃ .	
10:00 AM	12/8/2005		GWTP East Well Feed	RSW	×	×	×		-					
													Total Cr sample preserved with HNO ₃ .	
			A THE STATE OF THE				-						A PARTIE AND THE PARTIES OF THE PART	
													East & West CI O4 added beginning 11.11.04	72
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-			To the state of th										WWW.HITAKE.	
	A. Carlotte												The second state of the second	
													THE PARTY OF THE P	
* MATRIX TYPES;	PES;	Report	Reported by Volume:				_			1			Documents of heavy Marie 4.4.	
		CFW =	CFW = Chlor(am)inated Finished Water FW = Other Finished Water	88	RGW = Raw Ground Water RSW = Raw Surface Water	Ground V Surface V	/ater	SW W	CWW = Ch WW = Oth SW = Sto	f = Chlorinated Waste = Other Waste Water = Storm Water	CWW = Chlorinated Waste Water WW = Other Waste Water SW = Storm Water	MATERIA POR PARA PARA PARA PARA PARA PARA PARA	Neported by Weight: SO = Soil SL = Sludge	
	-	SIGNATURE	3		PRINT NAME					COMPANYME	HIII C			

PAGENGI

12/8/2005

Veolia Water NA for Kerr McGee Chemical LLC

Wendy Prescott

RECEIVED BY: ///

RECEIVED BY:

WWH Laboratorie	es, a Division of MWH Ameri	icas, Inc. Bottle C	NWH Laboratories, a Division of MWH Americas, Inc. Bottle Order for Kerr McGee Chemical Company Henderson	ompany - Her	iderson	Page 1 of 27340
Monrovia CA 910	750 Koyai Oaks Avenue Suite 100 Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124	Stariumg 3) 386-1124	Client Code KERRMCGEE-MP	W Weekly	Period	700
Andrew Eaton (626),386-1125	Your MW Direct Ph RS	Project Manager one/Voice Mail Bl	Project Code CLO4 PO# / Job# Blanket PO n this Paper with your samples	Week 1		
Created by EEF Order Date 11/28/05 Date Needed by Client	Ship Sample Kits to Kerr McGee-Veolia Water Gate 1 8000 West Lake Mead Drive Henderson, NV 89015	Kits to iter Drive	Send Report to Kerr McGee. Henderson. Plant P.O. Box. 55. Henderson, NV. 89009		Billing Address KMCLLC attn::Contract.304280 PO Box.3049 LivoniaMl.48150	Billing Address tract 304280 3049 ML 48150
Date Samples to Arrive at WWL. SHIP LOCATION # of Samples	ATTN: PHONE:		ATTN: Susan Crowley PHONE: 702-651-2234 FAX: 702-651-2310	***************************************		Quote#
		Bottles-	Bottles-Qty for each sample, type & preservative if any	any	豊	Important Comments
,		1 250 ml poly ac	250 ml poly acid rinsed + 1ml HNO3 (18%)		UN 2031	GWTP WEST WELL FEED GWTP EAST WELL FEED
3 CR-VI		1 125ml poly aci	125ml poly acid rinsed/ no preservative SHORT HOLDING TIME!!!!!			GWTP DISCHARGE
1 cL03		1 60ml poly+0.60	1 60ml poly+0.60 mL 5% EDA sol'n	ı	UN 1604	CLO4, CLO3, NO3RFA on
3 0.04		1 125ml poly /no	1 125ml poly /no preservative AMBER IF WITH CLO3!	ı		CR, and CRVI and CLO4 on all
1 NO3RFA		1 250 ml poly+ 1	1 250 ml poly+ 1 ml H2SO4 (50%)	ľ	UN 2796	samples
		, .		Į.		Please sample late in the day and send via priority overnight to
		•		ŀ	***************************************	ensure that we receive CRVI within hold time whenever
1	Ę.			1	***************************************	possible.
	d.			1	dalahirani '	SHIPPING - PLEASE PRELABEL
1				I	***************************************	BOTTLES
ı				ŧ	1	revised 4/29/04 lxg revised 11/4/04 ade
1				1	***************************************	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
1				1	***************************************	been missed several times.
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1				I		
1			in the second of	1 第		
ActiveCode Status	Date Shipped	Carrier Qty o	Qty of Coolers Tracking Number	Prepared By		

SHIPPER'S NUMBER: 141689

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: KERR-McGEE CHEMICAL CORPORATION
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of tall or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or arili-water shipment, or (2) in the applicable motor carrier classification or tarff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER			T		3. 3.
Federal Express			Date 12/8/	/05	Henderson, NV 89015
MWH LABORATORIES 750 Royal Oaks Avenue, Monrovia, CA 91016-36 Phone: 626-568-6400					Authorization S.CROWLEY FULL NAME OF SHIPPER KERR-McGEE CHEMICAL LLC
FREIGHT CHARGES				***************************************	CODE NO. WCN IF
xx Prepaid Collect	CUSTOMER PO OR REQ'N NO.		SHIPPED	CDOIL	1321.10400 If it moves between
N/AR	GGGTOMERS G GRAEGANO.		1	lerson,NV	two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.
LINE NO. DESC	RIPTION AND CLASSIFICATION	STO	DCK NO.	TOTAL QUANT	ITY
East and West W Misc. Samples One ice chest at 1				1 COOLER	Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement: The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. KERR-MCGEE CHEMICAL LLC The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.
PLACARDS OFFERED YES NO	PLACARDS ACCEPTED	YES			FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC – DAY OR NIGHT
		RE WEIGHT 0	NET	WEIGHT	800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.
1	TOTAL GROSS WEIGHT TAP 13	TOTAL RE WEIGHT 0		13	"Shippers imprint in lieu of stamp; not a part of
NOTE: Where the rate is dependent on value, ship declared value of the property is hereby specifically	stated by the shipper to be not exceeding	per			
THIS IS TO CERTIFY THAT THE ABOVE-NAMED TRANSPORTATION ACCORDING TO THE APPLI	MATERIALS ARE PROPERLY CLASSIFIED CABLE REGULATIONS OF THE DEPARTM	D. DESCRIBED, PACKAGED, IENT OF TRANSPORTATION	MARKED AT	ND LABELED AND	ARE IN PROPER CONDITION FOR
KERR-MCGEE CHEMICAL LLC Shipper permanent post office address of shipper, Oklahoma City, OK 73125	PER Chuck Whitney	AGENT			PER

From: Origin ID: (702)651-2220 KERR-MCGEE CHEMICAL KERR-MCGEE CHEMICAL 8000 LAKE MEAD DRIVE SHIPPING DEPARTMENT HENDERSON, NV 89015



CLS 102795/09/16

Ship Date: 08DEC05 ActWgt: 13 LB System#: 2274147/INET2300 Account#: S ********

REF: MSO #141689

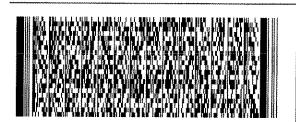


Delivery Address Bar Code

SHIP TO: (626)568-6400

BILL SENDER

ATTN: MONTGOMERY LABS RECEIVING MONTGOMERY WATSON LABS 750 ROYAL OAKS AVENUE #100 MONROVIA, CA 91016



PRIORITY OVERNIGHT

TRK# **7924 5881 1017**

FORM 0201 FRI Deliver By: 09DEC05

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91016 -CA-US



Shipping Label: Your shipment is complete

- 1. Use the 'Print' feature from your browser to send this page to your laser or inkjet printer.
- 2. Fold the printed page along the horizontal line.
- 3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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#: 163218 Project#: CLO4

Proj Mgr: Andrew Eaton Phone: (626) 386-1125

The following samples were received from you on 12/09/05. 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 S	Scheduled	Matrix		Sample Date
2512090332	GWTP DISCHAR		CLO4	Water CR	CR-VI	08-dec-2005 10:00:00 NO3RFA P
2512090333	GWTP WEST WEI	L FEED CLO4	CR	Water CR-VI	D	08-dec-2005 10:00:00
2512090334	GWTP EAST WEI	L FEED CLO4	CR	Water CR-VI	P	08-dec-2005 10:00:00 T
		Test	Acronym	Description	n	

Test Acronym	Description
CLO3 CLO4 CR CR-VI NO3RFA P	Chlorate by IC Perchlorate Chromium, Total, ICAP Hexavalent chromium (Cr VI) Nitrate + Nitrite as N by RFA Metals sample pH 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#: 2512090332)

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

H3- Sample was received and analyzed past holding time.

(QC Ref#: 2512090333)

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

H3- Sample was received and analyzed past holding time.

(QC Ref#: 2512090334)

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

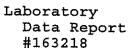
H3- Sample was received and analyzed past holding time.



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

Samples Received 09-dec-2005 17:15:59

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2512090332	GWTP DISCHARGE				
12/15/05 12/12/05 12/13/05 12/20/05	Chromium, Tota Nitrate + Nitr		556000 0.25 75.8 158000	10	ug/l mg/l mg/l ug/l	200000 0.02 5 200000
	2512090333	GWTP WEST WELL	FEED			
12/12/05 12/09/05 12/20/05	Hexavalent chr		2.3 2.3 200000	0	mg/l mg/l ug/l	0.1 0.05 200000
	2512090334	GWTP EAST WELL	FEED			
12/12/05 12/09/05 12/20/05			16 19 125000	0	mg/l mg/l ug/l	0.2 0.25 200000





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

Samples Received 12/09/05

Prepare	d Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
GWTP	DISCHARGE	(2512	090332)	Sampled on 12/08/05	10:00			
	12/15/05 00:00	299768	(ML/EPA 300.1)	Chlorate by IC	5560000	ug/l	200000	20000
	12/20/05 14:18	300371	(EPA 314)	Perchlorate	1580000	ug/l	200000	50000
	12/12/05 15:02	299184	(MWH200.7/6010B)	Chromium, Total, ICAP	0.25	mg/l	0.02	2
	12/09/05 00:00	298931	(MWH SW7196)	Hexavalent chromium (Cr VI)	ND (H3)	mg/l	0.01	2
	12/13/05 00:00	299411	(ML/EPA 353.2)	Nitrate + Nitrite as N by RFA	75.8	mg/l	5	50
GWTP	WEST WELL	FEED	(2512090333)	Sampled on 12/0	8/05 10:	00		
	12/20/05 14:35	300371	(EPA 314)	Perchlorate	2000000	ug/l	200000	50000
	12/12/05 15:05	299184	(MWH200.7/6010B)	Chromium, Total, ICAP	2.3	mg/l	0.1	10
	12/09/05 00:00	298931	(MWH SW7196)	Hexavalent chromium (Cr VI)	2.3(H3)	mg/l	0.05	10
GWTP	EAST WELL	FEED	(2512090334)	Sampled on 12/0	8/05 10:	00		
	12/20/05 14:52	300371	(EPA 314)	Perchlorate	1250000	ug/l	200000	50000
		299184	(MWH200.7/6010B)	Chromium, Total, ICAP	16	mg/l	0.2	20
	12/09/05 00:00	298931	(MWH SW7196)	Hexavalent chromium (Cr VI)	19 (H3)	mg/l	0.25	50



Tronox LLC - Henderson

		·····					
QC	Ref	#298931	- Hexavalent	chrom	ium (Cr V)	I) Analys	sis Date: 12/09/2005
		251209 251209 251209	90333	GWTP	DISCHARGE WEST WELI EAST WELI	J FEED	Analyzed by: wbh Analyzed by: wbh Analyzed by: wbh
QC	Ref	#299184	- Chromium,	rotal,	ICAP	Analys	sis Date: 12/12/2005
		251209 251209 251209	90333	GWTP	DISCHARGE WEST WELL EAST WELL	, FEED	Analyzed by: wbh Analyzed by: wbh Analyzed by: wbh
QC	Ref	#299411	- Nitrate + N	Nitrit	e as N by	RFA Analys	is Date: 12/13/2005
		251209	90332	GWTP	DISCHARGE		Analyzed by: clv
QC	Ref	#299768	- Chlorate by	r IC		Analys	is Date: 12/15/2005
		251209	00332	GWTP	DISCHARGE		Analyzed by: bxs
QC	Ref	#300371	- Perchlorate	:		Analys	is Date: 12/20/2005
		251209 251209 251209	0333	GWTP	DISCHARGE WEST WELL EAST WELL	FEED	Analyzed by: bxs Analyzed by: bxs Analyzed by: bxs



Tronox LLC - Henderson

QC	Ref	#298931	Hexaval	ent ch	romium	(Cr V	I)		
бС		Analyte		Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP		Spiked sample		Lab # 25	12090333	MGL		(0-0)	,
LCS1		Hexavalent chromium	(Cr VI)	0.050	0.051	MGL	102.0	(85-115)	
LCS2		Hexavalent chromium	(Cr VI)	0.050	0.051	MGL	102.0	(85-115)	0.00
MBLK		Hexavalent chromium	(Cr VI)	ND	<0.005	MGL			
MRL_CHK		Hexavalent chromium ((Cr VI)	0.005	0.005	MGL	100.0	(50-150)	
MS		Hexavalent chromium (•	0.50	0.45	MGL	90.0	(70-130)	
MSD		Hexavalent chromium ((Cr VI)	0.50	0.52	MGL.	104.0	(70-130)	14
QC :	Ref	#299184	Chromiun	n, Tota	al, ICAF	,			
QC		Analyte		Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1		Chromium, Total, ICAP		1.00	0.937	MGL	93.7	(85-115)	
LCS2		Chromium, Total, ICAP		1.00	0.942	MGL	94.2	(85-115)	0.53
MBLK		Chromium, Total, ICAP		ND	<0.01	MGL		•	
MS		Chromium, Total, ICAP		1.00	0.933	MGL	93.3	(70-130)	
MSD		Chromium, Total, ICAP		1.00	0.934	MGL	93.4	(70-130)	0.11
QC I	Ref	#299411	Nitrate	+ Nitr	ite as	N by	RFA		
QC		Analyte		Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS		Spiked sample		Lab # 25	12070414	MGL		(0-0)	,
LCS1		Nitrate + Nitrite as 1	W by RFA	1.0	1.02	MGL	102.0	(90-110)	
LCS2		Nitrate + Nitrite as 1	by RFA	1.0	1.02	MGL	102.0	(90-110)	0.00
MBLK		Nitrate + Nitrite as N	d by RFA	ND	<0.1	MGL			
MRL_CHK		Nitrate + Nitrite as N	by RFA	0.100	0.081	MGL	81.0	(50-150)	
MS		Nitrate + Nitrite as N	by RFA	1.0	0.92	MGL	92.0	(90-110)	
MSD		Nitrate + Nitrite as N	by RFA	1.0	0.90	MGL	90.0	(90-110)	2.2

Spikes which exceed Limits and Method Blanks with positive results are highlighted by <u>Underlining.</u> 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 #299768	Chlorate by IC	
QC Analyte	Spiked Recovered Units Yield (%) Limits (%)	RPD (%)
AASPKSMP Spiked sample	Lab # 25 12070353 UGL (0-0)	**** (G)
LCS1 Chlorate by IC	200 206 UGL 103.0 (75-125)	
LCS2 Chlorate by IC	000	3.5
MBLK Chlorate by IC	ND <10 UGL	
MRL_CHK Chlorate by IC	10.000 11.4 UGL 114.0 (50-150)	
MS Chlorate by IC	100 95 UGL 95.0 (75-125)	
MSD Chlorate by IC	100	3.1
QC Ref #300371	Perchlorate	
QC Analyte	Spiked Recovered Units Yield (%) Limits (%)	RPD (%)
LCS1 Perchlorate	25.0 23.9 UGL 95.6 (85-115)	(0)
LCS2 Perchlorate	75.0	0.42
MBLK Perchlorate	ND <4 UGL	,. <u> </u>
MS Perchlorate	25.0 23.1 UGL 92.4 (70-130)	
MSD Perchlorate	25.0	0.43

Spikes which exceed Limits and Method Blanks with positive results are highlighted by <u>Underlining</u>. 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.