



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)

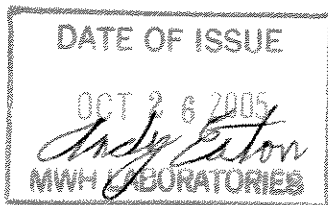
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: 702-651-2310



ADE Andy Eaton
Project Manager



Report#: 158478
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].



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

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

W Weekly
Week 1

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

SO# 26484 16287 RS

Sampler: Please Return this Paper with your samples

Created by
Order Date 09/26/05
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

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
Livonia, MI 48150

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

#	Sample	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		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!		CLC4, 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 lvg revised 11/4/04 ade
					shipping - the CLO3 bottle has been missed several times - please be sure it is included!

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

Kerr McGee Chemical Company - Henderson	Customer Code: KERRMCGEE-MP
PO Box 55	PO#: Susan Crowley PO
Henderson, NV 89009	Group#: 158478
Attn: Susan Crowley	Project#: CLO4
Phone: 702-651-2234	Proj Mgr: Andrew Eaton
	Phone: (626) 386-1125

The following samples were received from you on 10/07/05. 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
2510070226	GWTP DISCHARGE	CLO3 CLO4	Water	06-oct-2005 10:00:00
		T	CR CR-VI	NO3RFA P
2510070230	GWTP WEST WELL FEED	CLO4 CR	Water	06-oct-2005 10:00:00
			CR-VI P	T
2510070231	GWTP EAST WELL FEED	CLO4 CR	Water	06-oct-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)
NO3RFA	Nitrate + Nitrite as N by RFA
P	Metals sample pH
T	Metals Turbidity



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Report
Comments
#158478

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#: 2510070226)

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

H3- Sample was received and analyzed past holding time.

(QC Ref#: 2510070230)

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

H3- Sample was received and analyzed past holding time.

(QC Ref#: 2510070231)

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

H3- Sample was received and analyzed past holding time.



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Laboratory
 Hits Report
 #158478

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

Samples Received
 07-oct-2005 17:23:23

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2510070226	GWTP DISCHARGE				
10/13/05		Chlorate by IC	4900000		ug/l	200000
10/10/05		Chromium, Total, ICAP	0.49		mg/l	0.02
10/07/05		Hexavalent chromium (Cr VI)	0.012		mg/l	0.01
10/20/05		Nitrate + Nitrite as N by RFA	68	10	mg/l	5
10/14/05		Perchlorate	1700000		ug/l	200000
	2510070230	GWTP WEST WELL FEED				
10/10/05		Chromium, Total, ICAP	1.9		mg/l	0.1
10/07/05		Hexavalent chromium (Cr VI)	2.0		mg/l	0.05
10/14/05		Perchlorate	2300000		ug/l	200000
	2510070231	GWTP EAST WELL FEED				
10/10/05		Chromium, Total, ICAP	17		mg/l	0.2
10/07/05		Hexavalent chromium (Cr VI)	18		mg/l	0.25
10/18/05		Perchlorate	1200000		ug/l	200000

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
 Data Report
 #158478

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

Samples Received
 10/07/05

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
GWTP DISCHARGE (2510070226)				Sampled on 10/06/05 10:00				
	10/13/05 00:00	291178	(ML/EPA 300.1)	Chlorate by IC	4900000	ug/l	200000	20000
	10/14/05 20:54	291184	(EPA 314)	Perchlorate	1700000	ug/l	200000	50000
	10/10/05 00:00	290434	(MWH200.7/6010B)	Chromium, Total, ICAP	0.49	mg/l	0.02	2
	10/07/05 00:00	290111	(MWH SW7196)	Hexavalent chromium (Cr VI)	0.012 (H3)	mg/l	0.01	2
	10/20/05 14:56	292326	(ML/EPA 353.2)	Nitrate + Nitrite as N by RPA	68	mg/l	5	50
GWTP WEST WELL FEED (2510070230)				Sampled on 10/06/05 10:00				
	10/14/05 21:11	291184	(EPA 314)	Perchlorate	2300000	ug/l	200000	50000
	10/10/05 00:00	290434	(MWH200.7/6010B)	Chromium, Total, ICAP	1.9	mg/l	0.1	10
	10/07/05 00:00	290111	(MWH SW7196)	Hexavalent chromium (Cr VI)	2.0 (H3)	mg/l	0.05	10
GWTP EAST WELL FEED (2510070231)				Sampled on 10/06/05 10:00				
	10/18/05 13:01	291531	(EPA 314)	Perchlorate	1200000	ug/l	200000	50000
	10/10/05 00:00	290434	(MWH200.7/6010B)	Chromium, Total, ICAP	17	mg/l	0.2	20
	10/07/05 00:00	290111	(MWH SW7196)	Hexavalent chromium (Cr VI)	18 (H3)	mg/l	0.25	50



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Laboratory
QC Summary
#158478

Tronox LLC - Henderson

QC Ref #290111 - Hexavalent chromium (Cr VI) Analysis Date: 10/07/2005

2510070226	GWTP DISCHARGE	Analyzed by: wbh
2510070230	GWTP WEST WELL FEED	Analyzed by: wbh
2510070231	GWTP EAST WELL FEED	Analyzed by: wbh

QC Ref #290434 - Chromium, Total, ICAP Analysis Date: 10/10/2005

2510070226	GWTP DISCHARGE	Analyzed by: wbh
2510070230	GWTP WEST WELL FEED	Analyzed by: wbh
2510070231	GWTP EAST WELL FEED	Analyzed by: wbh

QC Ref #291178 - Chlorate by IC Analysis Date: 10/13/2005

2510070226	GWTP DISCHARGE	Analyzed by: bxs
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QC Ref #291184 - Perchlorate Analysis Date: 10/14/2005

2510070226	GWTP DISCHARGE	Analyzed by: bxs
2510070230	GWTP WEST WELL FEED	Analyzed by: bxs

QC Ref #291531 - Perchlorate Analysis Date: 10/18/2005

2510070231	GWTP EAST WELL FEED	Analyzed by: bxs
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QC Ref #292326 - Nitrate + Nitrite as N by RFA Analysis Date: 10/20/2005

2510070226	GWTP DISCHARGE	Analyzed by: mal
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Tronox LLC - Henderson

QC Ref #290111 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 25	10050230	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.051	MGL	102.0	(85-115)	1.9
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	0.51	MGL	102.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.50	0.44	MGL	88.0	(70-130)	15

QC Ref #290434 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 25	10070180	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.957	MGL	95.7	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.956	MGL	95.6	(85-115)	0.10
MBLK	Chromium, Total, ICAP	ND	<0.01	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0098	MGL	98.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.964	MGL	96.4	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.963	MGL	96.3	(70-130)	0.10

QC Ref #291178 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 25	10060308	UGL		(0-0)	
LCS1	Chlorate by IC	200	197	UGL	98.5	(75-125)	
LCS2	Chlorate by IC	200	197	UGL	98.5	(75-125)	0.00
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.000	9.3	UGL	93.0	(50-150)	
MS	Chlorate by IC	100	97	UGL	97.0	(75-125)	
MSD	Chlorate by IC	100	90	UGL	90.0	(75-125)	7.5

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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Laboratory
QC Report
#158478

Tronox LLC - Henderson
(continued)

QC Ref #291184

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	25.0	25.9	UGL	103.6	(85-115)	
LCS1	Perchlorate	25.0	26	UGL	104.0	(85-115)	
MBLK	Perchlorate	ND	<4	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(70-130)	
MSD	Perchlorate	25.0	25.9	UGL	103.6	(70-130)	2.7

QC Ref #291531

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	25.0	24	UGL	96.0	(85-115)	
LCS1	Perchlorate	25.0	24.1	UGL	96.4	(85-115)	
MBLK	Perchlorate	ND	<4	UGL			
MS	Perchlorate	25.0	23.3	UGL	93.2	(70-130)	
MSD	Perchlorate	25.0	23.5	UGL	94.0	(70-130)	0.85

QC Ref #292326

Nitrate + Nitrite as N by RFA

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	lab # 25	10050050	MGL		(0-0)	
LCS1	Nitrate + Nitrite as N by RFA	1.0	0.956	MGL	95.6	(90-110)	
LCS2	Nitrate + Nitrite as N by RFA	1.0	0.947	MGL	94.7	(90-110)	0.95
MBLK	Nitrate + Nitrite as N by RFA	ND	<0.1	MGL			
MRL_CHK	Nitrate + Nitrite as N by RFA	0.030	0.0399	MGL	133.0	(50-150)	
MS	Nitrate + Nitrite as N by RFA	1.0	0.923	MGL	92.3	(90-110)	
MSD	Nitrate + Nitrite as N by RFA	1.0	0.902	MGL	90.2	(90-110)	2.3

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.