



# MWH Laboratories

A Division of MWH Americas, Inc.

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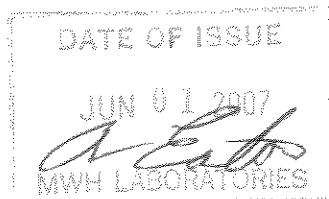
## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton  
Project Manager



Report#: 203058  
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 14 page[s].



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Report  
Comments  
#203058

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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**

Perchlorate value confirmed by re-analysis of second bottle. Analytical results for Radium 226 & Radium 228 are submitted by Pace Analytical Services, PA. Nevada Cert PA91-2004-77

(QC Ref#: 2705010089)

Test: Kjeldahl Nitrogen (ML/EPA 351.2)

SAMPLE DILUTED AND SPIKED ,THE % RECOVERY WAS 101%



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Laboratory  
Hits Report  
#203058

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

Samples Received  
01-may-2007 12:18:36

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2705010088</b>	<b>EFFLUENT</b>				
05/07/07		Radium 226	<0.575	3	pCi/l	0.57
05/07/07		Radium 226, Minimal Detectable	0.575		pCi/l	
05/07/07		Radium 226, Two Sigma Error	0.325		pCi/l	
05/17/07		Radium 228	<0.772	5	pCi/l	0.77
05/17/07		Radium 228, Minimum Detectable	0.772		pCi/l	
05/17/07		Radium 228, Two Sigma Error	0.390		pCi/l	
05/09/07		Alpha, Gross	<10.9	15	pCi/l	11
05/09/07		Alpha, Min Detectable Activity	10.9		pCi/l	
05/09/07		Alpha, Two Sigma Error	9.6		pCi/l	
05/07/07		Ammonia Nitrogen	1.7		mg/l	0.050
05/01/07		Apparent Color	10	15	ACU	3.0
05/08/07		Iron, Total, ICAP	0.86	0.3	mg/l	0.040
05/04/07		Kjeldahl Nitrogen	4.6		mg/l	0.20
05/03/07		PH (H3=past HT, not compliant)	7.0	6.5-8.5	Units	0.010
05/08/07		Total Inorganic Nitrogen-Calc	1.7		mg/l	0.20
05/03/07		Total Suspended Solids (TSS)	32		mg/l	10
05/10/07		Total phosphorus as P	1.0		mg/l	0.020
	<b>2705010089</b>	<b>INFLUENT</b>				
05/07/07		Ammonia Nitrogen	3.5		mg/l	0.50
05/01/07		Apparent Color	10	15	ACU	3.0
05/04/07		Kjeldahl Nitrogen	4.3		mg/l	1.0
05/08/07		Perchlorate	32900		ug/l	4000
05/08/07		Total Inorganic Nitrogen-Calc	3.5		mg/l	0.20
05/10/07		Total phosphorus as P	1.6		mg/l	0.020

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Data Report  
#203058

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

Samples Received  
05/01/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
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**EFFLUENT (2705010088)**

Sampled on 04/30/07 06:30

05/02/07 00:00	364474	( ML/EPA 300.0 )	Chlorate by IC	ND	ug/l	50	5
05/03/07 00:01	364816	( EPA 314 )	Perchlorate	ND	ug/l	10	5
05/01/07 00:00	364755	( ML/SM2120B )	Apparent Color	10	ACU	3.0	1
05/08/07 15:04	365582	( ML/EPA 200.7 )	Chromium, Total, ICAP	ND	mg/l	0.020	2
05/01/07 13:32	364344	( EPA 218.6 )	Hexavalent chromium(Dissolved)	ND	ug/l	0.10	1
05/08/07 15:04	365566	( ML/EPA 200.7 )	Iron, Total, ICAP	0.86	mg/l	0.040	2
05/08/07 11:33	365480	( ML/EPA 300.0 )	Total Inorganic Nitrogen-Calc	1.7	mg/l	0.20	50
05/07/07 00:00	365290	( ML/EPA 350.1 )	Ammonia Nitrogen	1.7	mg/l	0.050	1
05/01/07 13:16	364405	( ML/EPA 300.0 )	Nitrite, Nitrogen by IC	ND	mg/l	5.0	50
05/01/07 13:16	364408	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	ND	mg/l	5.0	50
05/03/07 00:00	364743	( SM4500-HB )	PH (H3=past HT, not compliant)	7.0	Units	0.010	1
05/10/07 00:00	366012	( S4500PE/ 365.1 )	Total phosphorus as P	1.0	mg/l	0.020	1
05/04/07 00:00	365261	( ML/EPA 351.2 )	Kjeldahl Nitrogen	4.6	mg/l	0.20	1
05/03/07 15:25	364914	( ML/EPA 160.2 )	Total Suspended Solids (TSS)	32	mg/l	10	1

**Gross Alpha Radiation**

05/09/07 00:00	366534	( ML/EPA 900.0 )	Alpha, Gross	<10.9	pCi/l	11	1
05/09/07 00:00	366534	( ML/EPA 900.0 )	Gross Alpha + adjusted error	NA	pCi/l	0	1
05/09/07 00:00	366534	( ML/EPA 900.0 )	Alpha, Two Sigma Error	9.6	pCi/l	0	1
05/09/07 00:00	366534	( ML/EPA 900.0 )	Alpha, Min Detectable Activity	10.9	pCi/l	0	1

**Radium 226 (Sub)**

05/07/07 00:00	( EPA 903.1 )	Radium 226	<0.575	pCi/l	0.57	1
05/07/07 00:00	( EPA 903.1 )	Radium 226, Two Sigma Error	0.325	pCi/l	0	1
05/07/07 00:00	( EPA 903.1 )	Radium 226, Minimal Detectable	0.575	pCi/l	0	1

**Radium 228 (Sub)**

05/17/07 00:00	( EPA 904.0 )	Radium 228	<0.772	pCi/l	0.77	1
05/17/07 00:00	( EPA 904.0 )	Radium 228, Two Sigma Error	0.390	pCi/l	0	1
05/17/07 00:00	( EPA 904.0 )	Radium 228, Minimum Detectable	0.772	pCi/l	0	1



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Tronox LLC - Henderson  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>INFLUENT (2705010089)</b>		<b>Sampled on 04/30/07 07:00</b>						
	05/07/07 00:00	365700	( ML/EPA 300.0 )	Chlorate by IC	ND	ug/l	100	10
	05/08/07 00:00	365482	( EPA 314 )	Perchlorate	32900	ug/l	4000	1000
	05/01/07 00:00	364755	( ML/SM2120B )	Apparent Color	10	ACU	3.0	1
	05/08/07 15:08	365582	( ML/EPA 200.7 )	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/01/07 13:48	364344	( EPA 218.6 )	Hexavalent chromium(Dissolved)	ND	ug/l	0.10	1
	05/08/07 11:33	365480	( ML/EPA 300.0 )	Total Inorganic Nitrogen-Calc	3.5	mg/l	0.20	50
	05/07/07 00:00	365290	( ML/EPA 350.1 )	Ammonia Nitrogen	3.5	mg/l	0.50	10
	05/01/07 13:02	364405	( ML/EPA 300.0 )	Nitrite, Nitrogen by IC	ND	mg/l	5.0	50
	05/01/07 13:02	364408	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	ND	mg/l	5.0	50
	05/23/07 16:53	368495	( ML/EPA 353.2 )	Nitrate + Nitrite as N by RFA	ND	mg/l	0.10	1
	05/10/07 00:00	366012	( S4500PE/ 365.1 )	Total phosphorus as P	1.6	mg/l	0.020	1
	05/04/07 00:00	365261	( ML/EPA 351.2 )	Kjeldahl Nitrogen	4.3	mg/l	1.0	5



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QC Summary  
#203058

Tronox LLC - Henderson

QC Ref #364344 - Hexavalent chromium(Dissolved)Analysis Date: 05/01/2007

2705010088	EFFLUENT	Analyzed by: tlh
2705010089	INFLUENT	Analyzed by: tlh

QC Ref #364405 - Nitrite, Nitrogen by IC Analysis Date: 05/01/2007

2705010088	EFFLUENT	Analyzed by: jkz
2705010089	INFLUENT	Analyzed by: jkz

QC Ref #364408 - Nitrate as Nitrogen by IC Analysis Date: 05/01/2007

2705010088	EFFLUENT	Analyzed by: jkz
2705010089	INFLUENT	Analyzed by: jkz

QC Ref #364474 - Chlorate by IC Analysis Date: 05/02/2007

2705010088	EFFLUENT	Analyzed by: raja
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QC Ref #364743 - PH (H3=past HT, not compliant)Analysis Date: 05/03/2007

2705010088	EFFLUENT	Analyzed by: sar
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QC Ref #364755 - Apparent Color Analysis Date: 05/01/2007

2705010088	EFFLUENT	Analyzed by: bxr
2705010089	INFLUENT	Analyzed by: bxr

QC Ref #364816 - Perchlorate Analysis Date: 05/03/2007

2705010088	EFFLUENT	Analyzed by: raja
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QC Ref #364914 - Total Suspended Solids (TSS) Analysis Date: 05/03/2007

2705010088	EFFLUENT	Analyzed by: dtn
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QC Summary  
#203058

Tronox LLC - Henderson  
(continued)

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QC Ref #365261 - Kjeldahl Nitrogen		Analysis Date: 05/04/2007
2705010088	EFFLUENT	Analyzed by: njr
2705010089	INFLUENT	Analyzed by: njr
QC Ref #365290 - Ammonia Nitrogen		Analysis Date: 05/07/2007
2705010088	EFFLUENT	Analyzed by: nina
2705010089	INFLUENT	Analyzed by: nina
QC Ref #365480 - Total Inorganic Nitrogen-Calc		Analysis Date: 05/08/2007
2705010088	EFFLUENT	Analyzed by: dwr
2705010089	INFLUENT	Analyzed by: dwr
QC Ref #365482 - Perchlorate		Analysis Date: 05/08/2007
2705010089	INFLUENT	Analyzed by: raja
QC Ref #365566 - Iron, Total, ICAP		Analysis Date: 05/08/2007
2705010088	EFFLUENT	Analyzed by: wbh
QC Ref #365582 - Chromium, Total, ICAP		Analysis Date: 05/08/2007
2705010088	EFFLUENT	Analyzed by: wbh
2705010089	INFLUENT	Analyzed by: wbh
QC Ref #365700 - Chlorate by IC		Analysis Date: 05/07/2007
2705010089	INFLUENT	Analyzed by: raja



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QC Summary  
#203058

Tronox LLC - Henderson  
(continued)

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QC Ref #366012 - Total phosphorus as P

Analysis Date: 05/10/2007

2705010088

EFFLUENT

Analyzed by: njr

2705010089

INFLUENT

Analyzed by: njr

QC Ref #366534 - Gross Alpha Radiation

Analysis Date: 05/09/2007

2705010088

EFFLUENT

Analyzed by: ajc

QC Ref #368495 - Nitrate + Nitrite as N by RFA Analysis Date: 05/23/2007

2705010089

INFLUENT

Analyzed by: maria



## Tronox LLC - Henderson

**QC Ref #364344                  Hexavalent chromium(Dissolved)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04260107	UGL		( 0-0 )	
LCS1	Hexavalent chromium(Dissolved)	2.0	2.00	UGL	100.0	( 90-110 )	
LCS2	Hexavalent chromium(Dissolved)	2.0	2.05	UGL	102.5	( 90-110 )	
MBLK	Hexavalent chromium(Dissolved)	ND	<0.10	UGL			
MRL_CHK	Hexavalent chromium(Dissolved)	0.100	0.067	UGL	67.0	( 50-150 )	
MS	Hexavalent chromium(Dissolved)	2.0	2.17	UGL	108.5	( 90-110 )	
MSD	Hexavalent chromium(Dissolved)	2.0	2.20	UGL	<u>110.0</u>	( 90-110 )	
RPD_LCS	Hexavalent chromium(Dissolved)	100.000	102.500	UGL	2.5	( 0-20 )	
RPD_MS	Hexavalent chromium(Dissolved)	108.500	110.000	UGL	1.4	( 0-20 )	

**QC Ref #364405                  Nitrite, Nitrogen by IC**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04300052	MGL		( 0-0 )	
LCS1	Nitrite, Nitrogen by IC	1.0	1.01	MGL	101.0	( 90-110 )	
LCS2	Nitrite, Nitrogen by IC	1.0	0.979	MGL	97.9	( 90-110 )	
MBLK	Nitrite, Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrite, Nitrogen by IC	0.050	0.0530	MGL	106.0	( 50-150 )	
MS	Nitrite, Nitrogen by IC	0.500	0.482	MGL	96.4	( 90-110 )	
MSD	Nitrite, Nitrogen by IC	0.500	0.483	MGL	96.6	( 90-110 )	
RPD_LCS	Nitrite, Nitrogen by IC	101.000	97.900	MGL	3.1	( 0-20 )	
RPD_MS	Nitrite, Nitrogen by IC	96.400	96.600	MGL	0.2	( 0-20 )	

**QC Ref #364408                  Nitrate as Nitrogen by IC**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04300052	MGL		( 0-0 )	
LCS1	Nitrate as Nitrogen by IC	2.5	2.49	MGL	99.6	( 90-110 )	
LCS2	Nitrate as Nitrogen by IC	2.5	2.40	MGL	96.0	( 90-110 )	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0471	MGL	94.2	( 50-150 )	

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  
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Tronox LLC - Henderson  
(continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Nitrate as Nitrogen by IC	1.25	1.28	MGL	102.4	( 80-112 )	
MSD	Nitrate as Nitrogen by IC	1.25	1.28	MGL	102.4	( 80-112 )	
RPD_LCS	Nitrate as Nitrogen by IC	99.600	96.000	MGL	3.7	( 0-20 )	
RPD_MS	Nitrate as Nitrogen by IC	102.400	102.400	MGL	0.0	( 0-20 )	

QC Ref #364474 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04170604	UGL		( 0-0 )	
LCS1	Chlorate by IC	200	209	UGL	104.5	( 90-110 )	
LCS2	Chlorate by IC	200	202	UGL	101.0	( 90-110 )	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.0	9.61	UGL	96.1	( 50-150 )	
MS	Chlorate by IC	100	91.6	UGL	91.6	( 75-125 )	
MSD	Chlorate by IC	100	93.0	UGL	93.0	( 75-125 )	
RPD_LCS	Chlorate by IC	104.500	101.000	UGL	3.4	( 0-20 )	
RPD_MS	Chlorate by IC	91.600	93.000	UGL	1.5	( 0-20 )	

QC Ref #364743 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04300187	UNIT		( 0-0 )	
DUP	PH (H3=past HT, not compliant)	8.5	8.5	UNIT		( 0-20 )	0.0

QC Ref #364755 Apparent Color

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Apparent Color	ND	ND	ACU		( 0-20 )	

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Tronox LLC - Henderson  
 (continued)

**QC Ref #364816                      Perchlorate**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04250021	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.2	UGL	100.8	( 85-115 )	
LCS2	Perchlorate	25.0	25.1	UGL	100.4	( 85-115 )	
LCS3	Perchlorate	4	3.85	UGL	96.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.1	UGL	96.4	( 80-120 )	
MSD	Perchlorate	25.0	23.4	UGL	93.6	( 80-120 )	
RPD_LCS	Perchlorate	100.800	100.400	UGL	0.4	( 0-15 )	
RPD_MS	Perchlorate	96.400	93.600	UGL	1.0	( 0-15 )	

**QC Ref #364914                      Total Suspended Solids (TSS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05020759	MGL		( 0-0 )	
LCS1	Total Suspended Solids (TSS)	175	158	MGL	90.3	( 80-120 )	
LCS2	Total Suspended Solids (TSS)	175	164	MGL	93.7	( 80-120 )	
MBLK	Total Suspended Solids (TSS)	ND	<10	MGL			
MRL_CHK	Total Suspended Solids (TSS)	10.0	8	MGL	80.0	( 50-150 )	

**QC Ref #365261                      Kjeldahl Nitrogen**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05010113	MGL		( 0-0 )	
LCS1	Kjeldahl Nitrogen	4	3.68	MGL	92.0	( 90-110 )	
LCS2	Kjeldahl Nitrogen	4	3.84	MGL	96.0	( 90-110 )	
MBLK	Kjeldahl Nitrogen	ND	<0.20	MGL			
MRL_CHK	Kjeldahl Nitrogen	0.1	0.070	MGL	70.0	( 50-150 )	
MS	Kjeldahl Nitrogen	4	3.97	MGL	99.2	( 90-110 )	
MSD	Kjeldahl Nitrogen	4	3.76	MGL	94.0	( 90-110 )	

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Tronox LLC - Henderson  
(continued)

MS_2ND	Kjeldahl Nitrogen	4	4.01	MGL	100.2	( 90-110 )
RPD_LCS	Kjeldahl Nitrogen	92.000	96.000	MGL	4.3	( 0-20 )
RPD_MS	Kjeldahl Nitrogen	99.250	94.000	MGL	5.4	( 0-20 )

QC Ref #365290

Ammonia Nitrogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05010723	MGL		( 0-0 )	
LCS1	Ammonia Nitrogen	1.00	1.04	MGL	104.0	( 90-110 )	
LCS2	Ammonia Nitrogen	1.00	1.04	MGL	104.0	( 90-110 )	
MBLK	Ammonia Nitrogen	ND	<0.050	MGL			
MRL_CHK	Ammonia Nitrogen	0.05	0.043	MGL	86.0	( 50-150 )	
MS	Ammonia Nitrogen	1.00	0.948	MGL	94.8	( 90-110 )	
MSD	Ammonia Nitrogen	1.00	0.952	MGL	95.2	( 90-110 )	
MS_2ND	Ammonia Nitrogen	1	0.963	MGL	96.3	( 90-110 )	
RPD_LCS	Ammonia Nitrogen	104.000	104.000	MGL	0.0	( 0-20 )	
RPD_MS	Ammonia Nitrogen	94.800	95.200	MGL	0.4	( 0-20 )	

QC Ref #365482

Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05010736	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	26.4	UGL	105.6	( 85-115 )	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	( 85-115 )	
LCS3	Perchlorate	4	4.37	UGL	109.2	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.9	UGL	99.6	( 80-120 )	
MSD	Perchlorate	25.0	24.0	UGL	96.0	( 80-120 )	
RPD_LCS	Perchlorate	105.600	105.600	UGL	0.0	( 0-15 )	
RPD_MS	Perchlorate	99.600	96.000	UGL	1.0	( 0-15 )	

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Fax: 626 386 1101  
1 800 566 LABS (1 800 566 5227)

Laboratory  
QC Report  
#203058

Tronox LLC - Henderson  
(continued)

QC Ref #365566                      Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	4.92	MGL	98.4	( 85-115 )	
LCS2	Iron, Total, ICAP	5.0	4.85	MGL	97.0	( 85-115 )	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0209	MGL	104.5	( 50-150 )	
MS	Iron, Total, ICAP	5.0	4.92	MGL	98.4	( 70-130 )	
MS2	Iron, Total, ICAP	5.0	5.18	MGL	103.6	( 70-130 )	
MSD	Iron, Total, ICAP	5.0	5.07	MGL	101.4	( 70-130 )	
MSD2	Iron, Total, ICAP	5.0	5.16	MGL	103.2	( 70-130 )	
RPD_LCS	Iron, Total, ICAP	98.400	97.000	MGL	1.4	( 0-20 )	
RPD_MS	Iron, Total, ICAP	98.400	101.400	MGL	3.0	( 0-20 )	

QC Ref #365582                      Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.955	MGL	95.5	( 85-115 )	
LCS2	Chromium, Total, ICAP	1.00	0.946	MGL	94.6	( 85-115 )	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0103	MGL	103.0	( 50-150 )	
MS	Chromium, Total, ICAP	1.00	0.961	MGL	96.1	( 70-130 )	
MS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	( 70-130 )	
MSD	Chromium, Total, ICAP	1.00	0.990	MGL	99.0	( 70-130 )	
MSD2	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	( 70-130 )	

QC Ref #365700                      Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05010813	UGL		( 0-0 )	
LCS1	Chlorate by IC	200	201	UGL	100.5	( 90-110 )	
LCS2	Chlorate by IC	200	203	UGL	101.5	( 90-110 )	

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.



**MWH Laboratories**  
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3629  
Tel: 626 386 1100  
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1 800 566 LABS (1 800 566 5227)

Laboratory  
QC Report  
#203058

Tronox LLC - Henderson  
(continued)

MBLK	Chlorate by IC	ND	<10	UGL		
MRL_CHK	Chlorate by IC	10.0	12.1	UGL	121.0	( 50-150 )
MS	Chlorate by IC	100	96.3	UGL	96.3	( 75-125 )
MSD	Chlorate by IC	100	92.8	UGL	92.8	( 75-125 )
RPD_LCS	Chlorate by IC	100.500	101.500	UGL	1.0	( 0-20 )
RPD_MS	Chlorate by IC	96.300	92.800	UGL	3.7	( 0-20 )

**QC Ref #366012 Total phosphorus as P**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04300176	MGL		( 0-0 )	
LCS1	Total phosphorus as P	0.4	0.415	MGL	103.7	( 90-110 )	
LCS2	Total phosphorus as P	0.4	0.424	MGL	106.0	( 90-110 )	
MBLK	Total phosphorus as P	ND	<0.020	MGL			
MRL_CHK	Total phosphorus as P	0.02	0.017	MGL	85.0	( 50-150 )	
MS	Total phosphorus as P	0.4	0.431	MGL	107.7	( 90-110 )	
MS2	Total phosphorus as P	0.4	0.414	MGL	103.5	( 90-110 )	
MSD	Total phosphorus as P	0.4	0.424	MGL	106.0	( 90-110 )	
RPD_LCS	Total phosphorus as P	103.750	106.000	MGL	2.1	( 0-10 )	
RPD_MS	Total phosphorus as P	107.750	106.000	MGL	1.6	( 0-20 )	

**QC Ref #366534 Gross Alpha and Beta Radiation**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05010113	PCIL		( 0-0 )	
DUP	Alpha, Gross	ND	ND	PCIL		( 0-20 )	
LCS1	Alpha, Gross	16.6	16.5	PCIL	99.4	( 80-120 )	
LCS2	Alpha, Gross	16.6	19.3	PCIL	116.3	( 80-120 )	
MBLK	Alpha, Gross	ND	<3.0	PCIL			
MS	Alpha, Gross	33.2	35.7	PCIL	107.5	( 70-130 )	
RPD_LCS	Alpha, Gross	99.398	116.265	PCIL	15.6	( 0-20 )	
DUP	Beta, Gross	ND	ND	PCIL		( 0-20 )	
LCS1	Beta, Gross	15.7	15.6	PCIL	99.4	( 80-120 )	
LCS2	Beta, Gross	15.7	16.5	PCIL	105.1	( 80-120 )	

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.



750 Royal Oaks Drive, Suite 100  
 Monrovia, California 91016-3629  
 Tel: 626 366 1100  
 Fax: 626 366 1101  
 1 800 566 LABS (1 800 566 5227)

Laboratory  
 QC Report  
 #203058

Tronox LLC - Henderson  
 (continued)

MBLK	Beta, Gross	ND	<3.0	PCIL		
MS	Beta, Gross	31.4	33.6	PCIL	107.0	( 70-130 )
RPD_LCS	Beta, Gross	99.363	105.096	PCIL	5.6	( 0-20 )

QC Ref #368495                      Nitrate + Nitrite as N by RFA

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05040298	MGL		( 0-0 )	
LCS1	Nitrate + Nitrite as N by RFA	1.0	0.99	MGL	99.0	( 90-110 )	
LCS2	Nitrate + Nitrite as N by RFA	1.0	1.03	MGL	103.0	( 90-110 )	
MBLK	Nitrate + Nitrite as N by RFA	ND	<0.10	MGL			
MRL_CHK	Nitrate + Nitrite as N by RFA	0.050	0.048	MGL	96.0	( 50-150 )	
MS	Nitrate + Nitrite as N by RFA	1.0	0.94	MGL	94.0	( 90-110 )	
MSD	Nitrate + Nitrite as N by RFA	1.0	0.96	MGL	96.0	( 90-110 )	

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.



MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

750 Royal Oaks dr. Suite 100 Montrovia, Ca., 91016-3629  
(626) 386-1100 (800) 566-5227

M/LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

02-10

20305P

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Weekly Compliance Samples - SO #6532 & #6534

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES  (check for yes)

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

Sample Signature: Thomas McDaniel  
Susan Crowley (702) 651-2234  
Troxox LLC - Henderson Plant  
PO Box 55  
Henderson, NV 89009

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO4	RADCWB (2 Btls)	NH3, NH3-DIST	pH, NO2-N, NO3-N, INOR, TSS	CLO3	FE, CR	T-P, TKN	Color	RA228EDD/RA226EDD (2 Btls.)	CR	NO2-N, NO3, N-INOR	CrVI	SAMPLER COMMENTS	
6:30 AM	4/30/2007			EFFLUENT	X		X	X	X	X	X	X	X	X	X					Revised SO #6534
7:00	4/30/2007			INFLUENT	X		X	X	X	X	X	X	X	X	X					Revised SO #6532

\* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(ani)nated 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

SIGNATURE

Thomas McDaniel

PRINT NAME

Thomas McDaniel

COMPANY/TITLE

Veolia Water NA for Troxox LLC - Henderson Plant

DATE

4/30/2007

TIME

12:00 PM

RELINQUISHED BY

Thomas McDaniel

RECEIVED BY

Susan Crowley

DATE

5-1-07

10:00

SCANNED





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 Trionox 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#  
 Blanket PO

SO# 6532 6532 RS **Sampler: Please Return this Paper with your samples**

Created by AND 1 Ship Sample Kits to

Send Report to

Order Date 08/28/00  
 Veolia Water-Trionox LLC  
 Gate 1  
 8000 West Lake Mead Drive  
 Henderson, NV 89015

Trionox LLC Henderson Plant  
 P.O. Box 55  
 Henderson, NV 89009

Billing Address  
 Trionox LLC  
 Attn: Accounts Payable  
 P.O. BOX 268859  
 Oklahoma City, OK 73126-8859

Date Needed by Client  
 Date Samples to Arrive at MWL  
**SHIP LOCATION**

ATTN: Susan Crowley  
 PHONE: 702-651-2234

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

Quote#  
 ANDRE

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#
1	CLO4	1 125ml poly /no preservative	
1	NH3, NH3-DIST,	1 125 ml poly+ 0.5ml H2SO4 (50%)	UN 2796
			3077
1	CR	1 125ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
1	T-P, TKN	1 250ml poly + 0.5ml H2SO4 (50%)	UN2796
1	COLOR	1 500ml amber glass / no preservative <b>SHORT HOLDING TIME!!!!</b>	
1	NO2-N, NO3, N-NINOR	1 500 ml poly / no preservative <b>SHORT HOLDING TIME!!!!</b>	
1	CLO3	1 60ml poly+0.60 mL 5% EDA sol'n	UN 1604
1	CRVI-Low	1x 125 ml poly/ 1 ml NH4SO4/NH4OH buffer	3077

note: deleted CRVI-Low from bottle order - being sent separately from now on

This is a weekly sample of

**INFLUENT**

This cooler can be shipped out along with the EFFLUENT cooler as one order.

**PLEASE SHIP EXTRA BLUE ICE DUE TO WARM WEATHER- also use a LARGE COOLER**

LogIn - use Profile #KERRINF+CRVI-Low for this site  
 note to LogIn - notify Lisa when this sample comes in so she can run NO3 on her IC

Test code for CRVI changed to IC 1-6-04; Moved CBOD to separate order as of 10/21/04; O updated 12-8-05 to delete some tests and change frequency on others.  
 Changed CR-MS to CR and updated profile for logIn  
 added CLO3 back to weekly 2-7-08  
 2/10/06- CRVI-Low separate order deleted NO3RFA as of 7-5-06;  
 CRVI-Low added back to bottle order 4/11/07

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By



From: Origin ID: LASA (702)651-2230  
TRONOX LLC  
TRONOX LLC  
8000 LAKE MEAD PARKWAY  
SHIPPING DEPARTMENT  
HENDERSON, NV 89015



CL5822307/2123

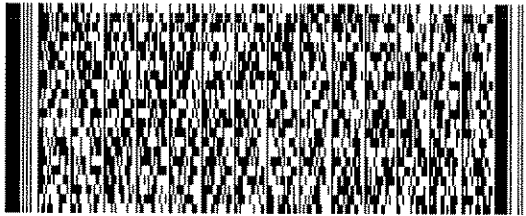
Ship Date: 30APR07  
ActWgt: 20 LB  
System#: 2274147/INET7011  
Account#: S \*\*\*\*\*

Delivery Address Bar Code



Ref # MSO #142582 - 20.0 lbs.  
Invoice #  
PO #  
Dept #

SHIP TO: (626)568-6400 **BILL SENDER**  
**ATTN: SAMPLE RECEIVING**  
**MONTGOMERY WATSON LABS**  
**750 ROYAL OAKS DR # 100**  
  
**MONROVIA, CA 910163629**



**PRIORITY OVERNIGHT**

**TUE**

TRK# 7991 3178 0573

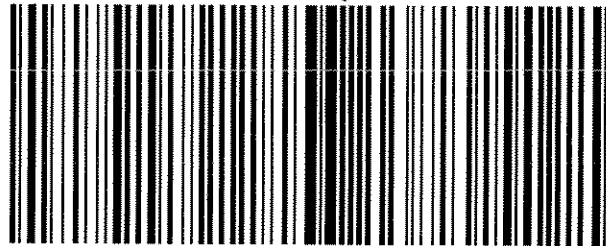
FORM 0201

Deliver By:  
01MAY07

**BUR A2**

**91016 -CA-US**

**QZ WHPA**



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.

SCANNED

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 142582

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

**From: TRONOX LLC**

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 all 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 a rail-water shipment, or (2) in the applicable motor carrier classification or tariff 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 <b>Federal Express</b>		Date <b>04/30/07</b>	FROM NO. STATION: STATE <b>Henderson, NV 89015</b>
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization <b>S. CROWLEY</b>	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER <b>TRONOX LLC</b>	
N/A/R		CUSTOMER PO OR REQ'N NO.	CODE NO. WCN IS <b>1321.10400</b> if it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.
SHIPPED FROM <b>Henderson, NV</b>			
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	<b>Weekly Discreets—Influent and Effluent Grab Samples Not Regulated</b>  <b>1 ice chest @ 20 lbs 1 ice chest @ 30 lbs</b>		<b>2 COOLERS</b>
TRUCK SHIPMENTS PLACARDS OFFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO    PLACARDS ACCEPTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC – DAY OR NIGHT 800-424-9300 483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.
NUMBER OF PACKAGES <b>2</b>	GROSS WEIGHT TOTAL GROSS WEIGHT <b>50</b>	TARE WEIGHT TOTAL TARE WEIGHT <b>0</b>	NET WEIGHT <b>50</b>
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per			"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"
THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.			
TRONOX LLC Shipper permanent post office address of shipper: PO Box 288859, Oklahoma City, OK 73126-8859	PER <b>Judi Durkin</b>	AGENT	PER



MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

MWLABS USE ONLY:

750 Royal Oaks dr. Suite 100 Monrovia, Ca, 91016-3629  
(626) 386-1100 (800) 566-5227

LOGIN COMMENTS:

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

SAMPLE TEMP. RECEIPT AT LAB: \_\_\_\_\_

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

*[Handwritten]*

TO BE COMPLETED BY SAMPLER:

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

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

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO4	RADCWB (2 Btls)	NH3,NH3-DIST	pH,NO2-N,NO3,N-INOR,TSS	CLO3	FE, CR	T-P, TKN	Color	RA228EDD/RA226EDD (2 Btls.)	CR	NO2-N, NO3, N-INOR	CVI	SAMPLER COMMENTS	
6:30 AM	4/30/2007			EFFLUENT	X		X	X	X	X	X	X	X	X	X					Revised SO #6534
7:00	4/30/2007			INFLUENT	X		X	X	X	X	X	X	X	X	X					Revised SO #6534

MATRIX TYPES:

Reported by Volume:

CFW = Chlor(amin)ated 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

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

Thomas McDaniel

Veolia Water NA for Tronox LLC - Henderson Plant

4/30/2007

12:00 PM

SIGNATURE

Thomas McDaniel

Veolia Water NA for Tronox LLC - Henderson Plant

4/30/2007

12:00 PM

SIGNATURE

Thomas McDaniel

Veolia Water NA for Tronox LLC - Henderson Plant

4/30/2007

12:00 PM

SIGNATURE

Thomas McDaniel

Veolia Water NA for Tronox LLC - Henderson Plant

4/30/2007

12:00 PM

C.O.C.#

SCANNED



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 Tronox LLC-Henderson**  
 Standing

Client Code KERRRMCGEE-MP W Weekly Period  
 Project Code CL04  
 PO# / Job#  
 Blanket PO

Andrew Eaton  
 (626) 386-1125  
 Direct Phone/Voice Mail

Your MWL Project Manager

Week 1

**SO# 6534 6534 RS** **Sampler: Please Return this Paper with your samples**

Created by AND 1  
 Order Date 08/28/00  
 Date Needed by Client

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

Send Report to

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

Date Samples to Arrive at MWL  
**SHIP LOCATION**

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

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

Shipping Address  
 Tronox LLC  
 P.O. Box 55  
 Henderson, NV 89009  
 Oklahoma City, OK 73126-8859

Billing Address  
 Tronox LLC  
 Attn: Accounts Payable  
 P.O. Box 268859  
 Oklahoma City, OK 73126-8859

Quote#  
 ANDRE

# 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
1	CL04	1 125ml poly /no preservative		
1	@RADCVB	2: 1 125 ml poly / no pres & 1 x 500 ml poly + 2 ml HNO3 (18%)	UN 2031	This is the weekly order for the EFFLUENT
1	NH3, NH3-DIST	1 250 ml poly+ 1 ml H2SO4 (50%)	UN 2796	RA226/228 to be subbed to a NV certified lab
1	PH, NO2-N, NO3, N-INOR, TSS	1 500 ml poly/ no preservative <b>SHORT HOLDING TIME!!!!</b>		<b>PLEASE SHIP EXTRA BLUE ICE DUE TO WARM WEATHER - also use a LARGE COOLER</b>
1	FE, CR	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN2031	login - use profile
1	T-P, TKN	1 250ml poly + 0.5ml H2SO4 (50%)	UN2796	<b>#KERREFF +CRVI-LOW</b>
1	COLOR	1 500ml amber glass / no preservative <b>SHORT HOLDING TIME!!!!</b>		for this site
1	RA228EDD/RA226EDD	2 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR COMPLIANCE D.L'S	UN 2031	CLIENT CODE CHANGED 7/25/03
1	CL03	1 60ml poly+0.50 mL 5% EDA sol'n	UN 1604	Testcode for CRVI changed to IC effective 1/6/04
1	CRVI-LOW	1125 ml poly/ 1 ml NH4SO4/NH4OH buffer	3077	Moved CBOD to separate order as of 10/21/04
		note: deleted CRVI-LOW from bottle order - being sent separately from now on		updated BO 12-8-05 - deleted some tests and changed Cr from MS to ICP
				added cl03 back 2-7-06
				removed CRVI-LOW to sep BO 2-10-06
				added CRVI-LOW as of 4/11/07

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

**SCANNED**

From: Origin ID: LASA (702)651-2230  
 TRONOX LLC  
 TRONOX LLC  
 8000 LAKE MEAD PARKWAY  
 SHIPPING DEPARTMENT  
 HENDERSON, NV 89015



CL5822367/2123

Ship Date: 30APR07  
 ActWgt: 30 LB  
 System#: 2274147/INET7011  
 Account#: S \*\*\*\*\*

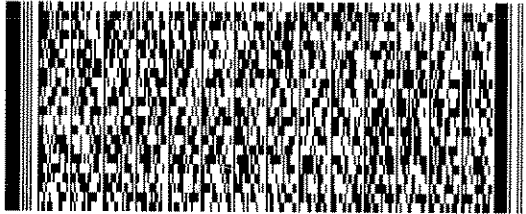
Delivery Address Bar Code



Ref # MSO #142583 - 30.0 lbs.  
 Invoice #  
 PO #  
 Dept #

SHIP TO: (626)568-6400 **BILL SENDER**  
**ATTN: SAMPLE RECEIVING**  
**MONTGOMERY WATSON LABS**  
**750 ROYAL OAKS DR # 100**  
  
**MONROVIA, CA 910163629**

SCANNED



**PRIORITY OVERNIGHT**

**TUE**

TRK# 7986 6376 1000

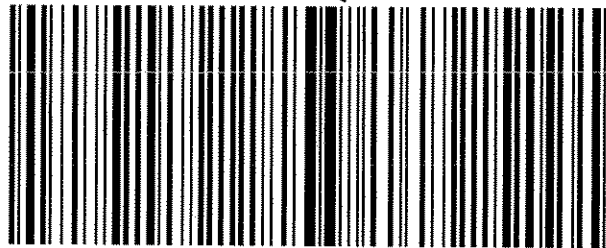
FORM 0201

Deliver By:  
 01MAY07

**BUR A2**

**91016 -CA-US**

**QZ WHPA**



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.

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 142583

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

**From: TRONOX LLC**

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 all 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 a rail-water shipment, or (2) in the applicable motor carrier classification or tariff 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.

SCANNED

CARRIER <b>Federal Express</b>		Date <b>04/30/07</b>	FROM NO. STATION: STATE <b>Henderson, NV 89015</b>
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400		Authorization <b>S. CROWLEY</b>	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC	
N/AR		CUSTOMER PO OR REQ'N NO.	CODE NO. WCN IS <b>1321.10400</b> If it moves between
		SHIPPED FROM <b>Henderson, NV 89015</b>	two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	<b>Weekly ART and PC Well Samples Not Regulated</b>		<b>1 COOLER</b>
	<b>1 cooler @ 30 lbs</b>		
TRUCK SHIPMENTS			FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT 800-424-8300
PLACARDS OFFERED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PLACARDS ACCEPTED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		<b>0</b>	
<b>1</b>	TOTAL GROSS WEIGHT <b>30</b>	TOTAL TARE WEIGHT <b>0</b>	<b>30</b>
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per			483-7616 IN DISTRICT OF COLUMBIA 202-483-7616 FROM OUTSIDE THE CONTINENTAL US.
THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.			
TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER <b>Judi Durkin</b>	AGENT	PER

**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#: 203058  
 Project#: CLO4  
 Proj Mgr: Andrew Eaton  
 Phone: (626) 386-1125

The following samples were received from you on **05/01/07**. 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
2705010088	EFFLUENT	@R226EDD @R228EDD @RADCWB CLO3 CLO4 COLOR CR CRVI-LOW FE NH3 NH3-DIST NO2-N NO3 NO3RFA PH T-P TKN TSS	Water	30-apr-2007 06:30:00
2705010089	INFLUENT	CLO3 CLO4 COLOR CR CRVI-LOW N-INOR NH3 NH3-DIST NO2-N NO3 NO3RFA T-P TKN	Water	30-apr-2007 07:00:00

Test Acronym Description

Test Acronym	Description
@R226EDD	Radium 226 (Sub)
@R228EDD	Radium 228 (Sub)
@RADCWB	Gross Alpha Radiation
CLO3	Chlorate by IC
CLO4	Perchlorate
COLOR	Apparent Color
CR	Chromium, Total, ICAP
CRVI-LOW	Hexavalent chromium(Dissolved)
FE	Iron, Total, ICAP
N-INOR	Total Inorganic Nitrogen-Calc
NH3	Ammonia Nitrogen
NH3-DIST	NPDES Ammonia Distillation
NO2-N	Nitrite, Nitrogen by IC
NO3	Nitrate as Nitrogen by IC
NO3RFA	Nitrate + Nitrite as N by RFA
PH	PH (H3=past HT, not compliant)
T-P	Total phosphorus as P
TKN	Kjeldahl Nitrogen
TSS	Total Suspended Solids (TSS)





KERRIDGE-MP

**Waltz Mill Radiochemistry Lab**  
Exit 54, I-70  
Madison, PA 15663  
Phone: 724.722.5214  
Fax: 724.722.5208

May 23, 2007

Ms. Elena Montanez  
MWH Americas, Inc  
750 Royal Oaks Drive  
Suite 100  
Monrovia, CA 91016-3629

Drinking Water Characterization; Purchase Order No. 99-27814  
203058 NV DW, Ra-226/228; NV Cert Expires 05/31/07; MWH Laboratories  
Pace Project No. 07-2476

Dear Ms. Montanez:

Enclosed are analytical results for the sample submitted by MWH Americas, Inc.  
The sample was received on May 3, 2007 and logged in for analysis on May 4, 2007.

Methods used are indicated on the attached data table. Appropriate quality assurance/quality control analyses were performed in accordance with Pace, Waltz Mill Site Quality Assurance Plan. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. If you have any questions, please call me at 724-722-5219.

Sincerely,

Richard M. Kinney  
Radiochemistry Laboratory Supervisor

RMK:ljz

Enclosures

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.



PACE ANALYTICAL SERVICES, INC.  
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-2476

CLIENT: Purchase Order Number: 99-27814

B: SAMPLE IDENTIFICATIONS:

PACE: 0705-0244

CLIENT: 2705010088

C: SHIPPING/RECEIVING COMMENTS:

Final Report 5/23/07.

II. PREPARATION/ANALYSIS COMMENTS:

A: RADIOLOGICAL:

NONE

III. GENERAL COMMENTS:

Trailing zeroes and decimal places appearing on the data should not be interpreted as precision of the analytical procedure, but rather as a result of reporting format.

Sample(s) analyzed and reported on an as-received basis.

000002

0000003

Table 1

General Data Table  
MWH Americas, Inc.

Pace Project No. 07-2476

Drinking Water Characterization; 203058 NV DW, Ra-226/228  
Charge Order No. 99-27814; NV Cert Expires 05/31/07

Parameter	Analytical Method	Units	Analyzed	Sample Identification	
				Act + Unc	(MDC)
Ra-226 (EPA 903.1)	EPA 903.1	pCi/L	05/07/07	0.192 ± 0.325	(0.575)
Ra-228 (EPA 904.0)	EPA 904.0	pCi/L	05/17/07	0.567 ± 0.390	(0.772)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

0000004

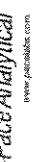
Table 1  
(Continued)

Parameter	Analytical Method	Units	Analyzed	Sample Identification	
				0705-0245	Method Blank (5/3/07)
Ra-226 (EPA 903.1)	EPA 903.1	pCi/L	05/07/07	0.092 ± 0.181	(0.339)
Ra-228 (EPA 904.0)	EPA 904.0	pCi/L	05/17/07	0.399 ± 0.257	(0.496)

Act=Activity, Unc=2 sigma Uncertainty and (MDC)=the associated Minimum Detectable Concentration.

*B Stepler*

# Quality Control Sample Performance Assessment



www.paceanalytical.com

**Analyst Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-226  
Analyst: CMC  
Date: 5/8/2007  
Worklist: 14558  
Matrix: DW

**Method Blank Assessment**

MB Sample ID: MB14558  
MB concentration: 0.692  
MB Counting Uncertainty: 0.181  
MB MDC: 0.339  
MB Numerical Performance Indicator: 10.85  
MB Status vs Numerical Indicator: N/A  
MB Status vs. MDC: Pass

**Laboratory Control Sample Assessment**

Count Date:	LCS#	Y or N?
5/18/2007	LCS14558	Y
5/18/2007	LCS14558	Y

Count Date: 5/18/2007  
Spike I.D.: 06-005  
Spike Concentration (pCi/mL): 57.279  
Volume Used (mL): 0.10  
Aliquot Volume (L, g, F): 0.500  
Target Conc. (pCi/L, g, F): 11.456  
Uncertainty (Calculated): 0.275  
Result (pCi/L, g, F): 10.238  
LCS/LCSD Counting Uncertainty (pCi/L, g, F): 1.463  
Numerical Performance Indicator: -1.60  
Percent Recovery: 69.37%  
Status vs Numerical Indicator: N/A  
Status vs Recovery: Pass

**Duplicate Sample Assessment**

Sample I.D.: LCS14558  
Duplicate Sample I.D.: LCS14558  
Sample Result (pCi/L, g, F): 10.238  
Sample Result Counting Uncertainty (pCi/L, g, F): 1.463  
Sample Duplicate Result (pCi/L, g, F): 12.067  
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 1.578  
Are sample and/or duplicate results below MDC? NO  
Duplicate Numerical Performance Indicator: -1.665  
Duplicate RPD: 16.39%  
Duplicate Status vs Numerical Indicator: N/A  
Duplicate Status vs RPD: Pass

**Sample Matrix Spike Control Assessment**

Sample Collection Date: 10/28/2006  
Sample I.D.: 0705-0219  
Sample MS I.D.: 0705-0219MS  
Spike I.D.: 06-005  
Spike Concentration (pCi/mL): 57.293  
Spike Volume Used in MS (mL): 0.20  
MS/MSD Decay Corrected Spike Concentration (pCi/mL): 0.500  
MS Aliquot (L, g, F): 22.917  
MSD Aliquot (L, g, F): 0.550  
MSD Target Conc. (pCi/L, g, F): 0.250  
Spike uncertainty (calculated): 0.260  
Sample Result: 22.624  
Sample Matrix Spike Result: 2.108  
Matrix Spike Result Counting Uncertainty (pCi/L, g, F): -0.486  
MS Numerical Performance Indicator: 97.63%  
MS Percent Recovery: N/A  
MS Status vs Numerical Indicator: Pass  
MSD Status vs Recovery: Pass

**Matrix Spike/Matrix Spike Duplicate Sample Assessment**

Sample I.D.:  
Sample MS I.D.:  
Sample Matrix Spike Result:  
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):  
Sample Matrix Spike Duplicate Result:  
Sample Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):  
Duplicate Numerical Performance Indicator:  
MS/MSD Duplicate Status vs Numerical Indicator:  
MS/MSD Duplicate Status vs RPD:

# Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

0000005

*2512367*

# Quality Control Sample Performance Assessment

**Analyst Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-228  
 Analyst: OLB  
 Date: 5/17/2007  
 Worklist: 14555  
 Matrix: DW

**Method Blank Assessment**

MB Sample ID: MB14555  
 MB Concentration: 0.389  
 MB Counting Uncertainty: 0.257  
 MB MDC: 0.496  
 MB Numerical Performance Indicator: 3.04  
 MB Status vs Numerical Indicator: N/A  
 MB Status vs MDC: **Pass**

**Laboratory Control Sample Assessment**

Count Date:	LCS14555	LCSD14555
5/17/2007	06-009	06-009
Spike Concentration (pCi/mL):	68.404	68.404
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.800	0.800
Target Conc. (pCi/L, g, F):	8.550	8.550
Uncertainty (Calculated):	0.265	0.285
Result (pCi/L, g, F):	9.379	7.889
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.736	0.742
Numerical Performance Indicator:	-0.43	-1.65
Percent Recovery:	98.00%	92.26%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	<b>Pass</b>	<b>Pass</b>

**Duplicate Sample Assessment**

Sample I.D.: LCS14555  
 Duplicate Sample I.D.: LCSD14555  
 Sample Result Counting Uncertainty (pCi/L, g, F): 8.379  
 Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 0.736  
 Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 7.889  
 Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 0.742  
 Are sample and/or duplicate results below MDC? NO  
 Duplicate Numerical Performance Indicator: 0.920  
 Duplicate RPD: 6.03%  
 Duplicate Status vs Numerical Indicator: N/A  
 Duplicate Status vs RPD: **Pass**

Enter Duplicate sample IDs if other than LCS/LCSD in the space below.

## Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

**Sample Matrix Spike Control Assessment**

Sample Collection Date: 5/13/2007  
 Sample I.D.: 0705-0251  
 Sample MSD I.D.: 0705-0251MS  
 Spike I.D.: 06-009  
 MS/MSD Decay Corrected Spike Concentration (pCi/mL): 68.731  
 Spike Volume Used in MS (mL): 0.20  
 MS Aliquot (L, g, F): 0.800  
 MS Target Conc. (pCi/L, g, F): 17.183  
 MSD Aliquot (L, g, F):  
 MSD Target Conc. (pCi/L, g, F): 0.533  
 Spike uncertainty (calculated): 0.242  
 Sample Result Counting Uncertainty (pCi/L, g, F): 0.281  
 Sample Matrix Spike Result: 12.366  
 Matrix Spike Result Counting Uncertainty (pCi/L, g, F): 0.787  
 Sample Matrix Spike Duplicate Result:  
 Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): -10.004  
 MS Numerical Performance Indicator: 70.56%  
 MS Percent Recovery: N/A  
 MS Status vs Numerical Indicator: N/A  
 MSD Status vs Numerical Indicator: **Pass**  
 MS Status vs Recovery: **Pass**  
 MSD Status vs Recovery:

**Matrix Spike/Matrix Spike Duplicate Sample Assessment**

Sample I.D.:  
 Sample MS I.D.:  
 Sample MSD I.D.:  
 Sample Matrix Spike Result:  
 Matrix Spike Result Counting Uncertainty (pCi/L, g, F):  
 Sample Matrix Spike Duplicate Result:  
 Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):  
 Duplicate Numerical Performance Indicator:  
 MS/MSD Duplicate Status vs Numerical Indicator:  
 MS/MSD Duplicate Status vs RPD:

0000006



MWH Laboratories  
 A Division of MWH Americas, Inc.  
 750 Royal Oaks Drive Suite 100  
 Monrovia, CA 91016-3629  
 Ph (626) 386-1100 Fax (626) 386-1095

Ship To **Mike Schnupp**

**Pace Analytical - Waltz Mill**

c/o Westinghouse Waltz Mill Site  
 170 Madison Exit  
 Madison, PA 15663

(724) 722-5214/5218 Fax (724) 722-5208

MWH Project # Report Due: Sub PO#  
 203058 05/24/07 99-27814

Use MWH Lab # for ID

Client Sample ID for reference only

Date 05/02/07 Submittal Form & Purchase Order 99-27814

\*REPORTING REQUIREMENTS: Do Not Combine Report with any other samples submitted under different MWH project numbers/ Report & Invoice must have the MWH Project Number 203058 and Job # 1000032

Report all quality control data according to Method. Include dates analyzed, date extracted (if extracted) and Method reference on the report. Results must have Complete data & QC with Approval Signature. See reverse side for List of Terms and Conditions

Reports: Elena Montanez Sub-contracting Administrator  
 EMAIL TO: mwhlabs-subcontractreports@mwhglobal.com  
 MWH Laboratories 750 Royal Oaks Dr. Ste. 100, Monrovia, CA 91016  
 Phone (626) 386-1118 Fax (626) 386-1122  
 Invoices to: MWH LABORATORIES  
 Accounts Payable PO BOX 6610, Broomfield, CO 80021

Provide in each Report the Specified State Certification # & Exp Date for requested tests + matrix  
**NEVEDA**

07-2476

Analysis Requested Sample Date & Time Matrix Container

@R226ED	2705010088	EFFLUENT	04/30/07 06:30	dw	1 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR CANADI SAMPLE D.I.C
@R228ED	2705010244				2 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR CANADI SAMPLE D.I.C

MW - 0245

6912 3625 9796

*[Signature]*

Relinquished by:

Sample Control Date 05/02/07 Time 14:05 MUST HAVE NOTIFICATION IF TEMP IS GREATER THAN 6 OR LESS THAN 2 CELSIUS Page 1

Date 5/3/07 Time 10:36 An Acknowledgement of Receipt is requested to attn: Julie Lee