



MWH Laboratories

A Division of MWH Americas, Inc.

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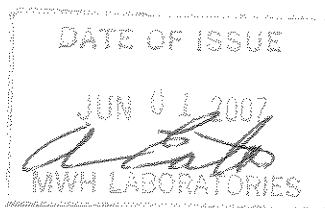
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager



Report#: 203814
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
#203814

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

Analytical results for Radium 226 & Radium 228 are submitted by Pace Analytical Services, PA California cert 04222CA y Pace Analytical Services, PA. Nevada Cert PA91-2004-77

(QC Ref#: 2705080517)

Test: Kjeldahl Nitrogen (ML/EPA 351.2)

SAMPLE DILUTED 1:5 AND SPIKED WITH RECOVERY OF 92%



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Laboratory
 Hits Report
 #203814

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

Samples Received
 08-may-2007 16:15:05

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2705080516	EFFLUENT				
05/22/07	Radium 226		<0.603	3	pCi/l	0.60
05/22/07	Radium 226, Minimal Detectable		0.603		pCi/l	
05/22/07	Radium 226, Two Sigma Error		0.359		pCi/l	
05/18/07	Radium 228		0.873	5	pCi/l	0.70
05/18/07	Radium 228, Minimum Detectable		0.696		pCi/l	
05/18/07	Radium 228, Two Sigma Error		0.385		pCi/l	
05/21/07	Alpha, Gross		<10.7	15	pCi/l	11
05/21/07	Alpha, Min Detectable Activity		10.7		pCi/l	
05/21/07	Alpha, Two Sigma Error		9.2		pCi/l	
05/14/07	Ammonia Nitrogen		1.5		mg/l	0.050
05/08/07	Apparent Color		10	15	ACU	3.0
05/17/07	Iron, Total, ICAP		2	0.3	mg/l	0.040
05/15/07	Kjeldahl Nitrogen		4.0		mg/l	0.20
05/16/07	Metals digestion performed.		Y		Yes/No	
05/09/07	PH (H3=past HT, not compliant)		6.3	6.5-8.5	Units	0.010
05/15/07	Total Inorganic Nitrogen-Calc		1.5		mg/l	0.20
05/14/07	Total Suspended Solids (TSS)		35		mg/l	10
05/10/07	Total phosphorus as P		2.1		mg/l	0.020
	2705080517	INFLUENT				
05/14/07	Ammonia Nitrogen		0.49		mg/l	0.050
05/08/07	Apparent Color		10	15	ACU	3.0
05/15/07	Kjeldahl Nitrogen		1.9		mg/l	1.0
05/16/07	Metals digestion performed.		Y		Yes/No	
05/15/07	Total Inorganic Nitrogen-Calc		0.49		mg/l	0.20
05/10/07	Total phosphorus as P		0.82		mg/l	0.020

SUMMARY OF POSITIVE DATA ONLY.



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 Data Report
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 Henderson , NV 89009

Samples Received
 05/08/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
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EFFLUENT (2705080516) Sampled on 05/07/07 06:30

05/11/07 00:00	366338	(ML/EPA 300.0)	Chlorate by IC	ND	ug/l	50	5
05/17/07 00:00	367456	(EPA 314)	Perchlorate	ND	ug/l	10	5
05/08/07 00:00	365913	(ML/SM2120B)	Apparent Color	10	ACU	3.0	1
05/17/07 23:28	367351	(ML/EPA 200.7)	Chromium, Total, ICAP	ND	mg/l	0.020	2
05/08/07 13:45	365785	(EPA 218.6)	Hexavalent chromium(Dissolved)	ND	ug/l	0.10	1
05/16/07 14:25		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
05/17/07 23:28	367357	(ML/EPA 200.7)	Iron, Total, ICAP	2	mg/l	0.040	2
05/15/07 18:57	366776	(ML/EPA 300.0)	Total Inorganic Nitrogen-Calc	1.5	mg/l	0.20	50
05/14/07 00:00	366473	(ML/EPA 350.1)	Ammonia Nitrogen	1.5	mg/l	0.050	1
05/08/07 16:59	365650	(ML/EPA 300.0)	Nitrite, Nitrogen by IC	ND	mg/l	0.62	50
05/08/07 16:59	365652	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	ND	mg/l	0.62	50
05/09/07 00:00	365808	(SM4500-HE)	PH (H3=past HT, not compliant)	6.3	Units	0.010	1
05/10/07 00:00	366012	(S4500PE/ 365.1)	Total phosphorus as P	2.1	mg/l	0.020	1
05/15/07 00:00	366915	(ML/EPA 351.2)	Kjeldahl Nitrogen	4.0	mg/l	0.20	1
05/14/07 18:30	366706	(ML/EPA 160.2)	Total Suspended Solids (TSS)	35	mg/l	10	1

Gross Alpha Radiation

05/21/07 00:00	368933	(ML/EPA 900.0)	Alpha, Gross	<10.7	pCi/l	11	1
05/21/07 00:00	368933	(ML/EPA 900.0)	Gross Alpha + adjusted error	NA	pCi/l	0	1
05/21/07 00:00	368933	(ML/EPA 900.0)	Alpha, Two Sigma Error	9.2	pCi/l	0	1
05/21/07 00:00	368933	(ML/EPA 900.0)	Alpha, Min Detectable Activity	10.7	pCi/l	0	1

Radium 226 (Sub)

05/22/07 00:00		(EPA 903.1)	Radium 226	<0.603	pCi/l	0.60	1
05/22/07 00:00		(EPA 903.1)	Radium 226, Two Sigma Error	0.359	pCi/l	0	1
05/22/07 00:00		(EPA 903.1)	Radium 226, Minimal Detectable	0.603	pCi/l	0	1

Radium 228 (Sub)

05/18/07 00:00		(EPA 904.0)	Radium 228	0.873	pCi/l	0.70	1
05/18/07 00:00		(EPA 904.0)	Radium 228, Two Sigma Error	0.385	pCi/l	0	1
05/18/07 00:00		(EPA 904.0)	Radium 228, Minimum Detectable	0.696	pCi/l	0	1



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Data Report
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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
INFLUENT (2705080517)				Sampled on 05/07/07 07:00				
	05/18/07 00:00	367714	(ML/EPA 300.0)	Chlorate by IC	ND	ug/l	50	5
	05/17/07 00:00	367456	(EPA 314)	Perchlorate	ND	ug/l	10	5
	05/08/07 00:00	365913	(ML/SM2120B)	Apparent Color	10	ACU	3.0	1
	05/17/07 23:11	367351	(ML/EPA 200.7)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	05/08/07 13:37	365785	(EPA 218.6)	Hexavalent chromium(Dissolved)	ND	ug/l	0.10	1
	05/16/07 14:25		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	05/15/07 18:57	366776	(ML/EPA 300.0)	Total Inorganic Nitrogen-Calc	0.49	mg/l	0.20	50
	05/14/07 00:00	366473	(ML/EPA 350.1)	Ammonia Nitrogen	0.49	mg/l	0.050	1
	05/08/07 16:46	365650	(ML/EPA 300.0)	Nitrite, Nitrogen by IC	ND	mg/l	0.62	50
	05/08/07 16:46	365652	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	ND	mg/l	0.62	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	0.82	mg/l	0.020	1
	05/15/07 00:00	366915	(ML/EPA 351.2)	Kjeldahl Nitrogen	1.9	mg/l	1.0	5



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QC Summary
#203814

Tronox LLC - Henderson

QC Ref #365650 - Nitrite, Nitrogen by IC Analysis Date: 05/08/2007

2705080516 EFFLUENT Analyzed by: jkz
2705080517 INFLUENT Analyzed by: jkz

QC Ref #365652 - Nitrate as Nitrogen by IC Analysis Date: 05/08/2007

2705080516 EFFLUENT Analyzed by: jkz
2705080517 INFLUENT Analyzed by: jkz

QC Ref #365785 - Hexavalent chromium(Dissolved) Analysis Date: 05/08/2007

2705080516 EFFLUENT Analyzed by: tlh
2705080517 INFLUENT Analyzed by: tlh

QC Ref #365808 - PH (H3=past HT, not compliant) Analysis Date: 05/09/2007

2705080516 EFFLUENT Analyzed by: sar

QC Ref #365913 - Apparent Color Analysis Date: 05/08/2007

2705080516 EFFLUENT Analyzed by: bxr
2705080517 INFLUENT Analyzed by: bxr

QC Ref #366012 - Total phosphorus as P Analysis Date: 05/10/2007

2705080516 EFFLUENT Analyzed by: njr
2705080517 INFLUENT Analyzed by: njr

QC Ref #366338 - Chlorate by IC Analysis Date: 05/11/2007

2705080516 EFFLUENT Analyzed by: raja



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QC Summary
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Tronox LLC - Henderson
(continued)

QC Ref #366473 - Ammonia Nitrogen Analysis Date: 05/14/2007

2705080516	EFFLUENT	Analyzed by: nina
2705080517	INFLUENT	Analyzed by: nina

QC Ref #366706 - Total Suspended Solids (TSS) Analysis Date: 05/14/2007

2705080516	EFFLUENT	Analyzed by: maria
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QC Ref #366776 - Total Inorganic Nitrogen-Calc Analysis Date: 05/15/2007

2705080516	EFFLUENT	Analyzed by: dwr
2705080517	INFLUENT	Analyzed by: dwr

QC Ref #366915 - Kjeldahl Nitrogen Analysis Date: 05/15/2007

2705080516	EFFLUENT	Analyzed by: njr
2705080517	INFLUENT	Analyzed by: njr

QC Ref #367351 - Chromium, Total, ICAP Analysis Date: 05/17/2007

2705080516	EFFLUENT	Analyzed by: wbh
2705080517	INFLUENT	Analyzed by: wbh

QC Ref #367357 - Iron, Total, ICAP Analysis Date: 05/17/2007

2705080516	EFFLUENT	Analyzed by: wbh
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QC Ref #367456 - Perchlorate Analysis Date: 05/17/2007

2705080516	EFFLUENT	Analyzed by: raja
2705080517	INFLUENT	Analyzed by: raja



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Tronox LLC - Henderson
(continued)

QC Ref #367714	- Chlorate by IC	Analysis Date: 05/18/2007
2705080517	INFLUENT	Analyzed by: raja
QC Ref #368495	- Nitrate + Nitrite as N by RFA	Analysis Date: 05/23/2007
2705080517	INFLUENT	Analyzed by: maria
QC Ref #368933	- Gross Alpha Radiation	Analysis Date: 05/21/2007
2705080516	EFFLUENT	Analyzed by: ajc

Tronox LLC - Henderson

QC Ref #365650 Nitrite, Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05080695	MGL		(0-0)	
LCS1	Nitrite, Nitrogen by IC	1.0	1.05	MGL	105.0	(90-110)	
LCS2	Nitrite, Nitrogen by IC	1.0	1.05	MGL	105.0	(90-110)	
MBLK	Nitrite, Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrite, Nitrogen by IC	0.050	0.0498	MGL	99.6	(50-150)	
MS	Nitrite, Nitrogen by IC	0.500	0.463	MGL	92.6	(90-110)	
MSD	Nitrite, Nitrogen by IC	0.500	0.459	MGL	91.8	(90-110)	
RPD_LCS	Nitrite, Nitrogen by IC	105.000	105.000	MGL	0.0	(0-20)	
RPD_MS	Nitrite, Nitrogen by IC	92.600	91.800	MGL	0.9	(0-20)	

QC Ref #365652 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05080695	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.48	MGL	99.2	(90-110)	
LCS2	Nitrate as Nitrogen by IC	2.5	2.48	MGL	99.2	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0459	MGL	91.8	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.27	MGL	101.6	(80-112)	
MSD	Nitrate as Nitrogen by IC	1.25	1.27	MGL	101.6	(80-112)	
RPD_LCS	Nitrate as Nitrogen by IC	99.200	99.200	MGL	0.0	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	101.600	101.600	MGL	0.0	(0-20)	

QC Ref #365785 Hexavalent chromium(Dissolved)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05010113	UGL		(0-0)	
LCS1	Hexavalent chromium(Dissolved)	2.0	2.07	UGL	103.5	(90-110)	
LCS2	Hexavalent chromium(Dissolved)	2.0	2.07	UGL	103.5	(90-110)	
MBLK	Hexavalent chromium(Dissolved)	ND	<0.10	UGL			
MRL_CHK	Hexavalent chromium(Dissolved)	0.100	0.087	UGL	87.0	(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 are advisory only, unless otherwise specified in the method.

Tronox LLC - Henderson
 (continued)

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)	103.500	103.500	UGL	0.0	(0-20)
RPD_MS	Hexavalent chromium(Dissolved)	108.500	110.000	UGL	1.4	(0-20)

QC Ref #365808 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05070032	UNIT		(0-0)	
DUP	PH (H3=past HT, not compliant)	7.3	7.3	UNIT		(0-20)	0.0

QC Ref #365913 Apparent Color

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Apparent Color	10	10	ACU		(0-20)	0.0

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)	

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(continued)

QC Ref #366338

Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05080973	UGL		(0-0)	
LCS1	Chlorate by IC	200	201	UGL	100.5	(90-110)	
LCS2	Chlorate by IC	200	194	UGL	97.0	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.0	10.3	UGL	103.0	(50-150)	
MS	Chlorate by IC	100	90.7	UGL	90.7	(75-125)	
MSD	Chlorate by IC	100	90.9	UGL	90.9	(75-125)	
RPD_LCS	Chlorate by IC	100.500	97.000	UGL	3.5	(0-20)	
RPD_MS	Chlorate by IC	90.700	90.900	UGL	0.2	(0-20)	

QC Ref #366473

Ammonia Nitrogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05080455	MGL		(0-0)	
LCS1	Ammonia Nitrogen	1.00	1.08	MGL	108.0	(90-110)	
LCS2	Ammonia Nitrogen	1.00	1.08	MGL	108.0	(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	1.01	MGL	101.0	(90-110)	
MSD	Ammonia Nitrogen	1.00	1.01	MGL	101.0	(90-110)	
MS_2ND	Ammonia Nitrogen	1	1.02	MGL	102.0	(90-110)	
RPD_LCS	Ammonia Nitrogen	108.000	108.000	MGL	0.0	(0-20)	
RPD_MS	Ammonia Nitrogen	101.000	101.000	MGL	0.0	(0-20)	

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Tronox LLC - Henderson
 (continued)

QC Ref #366706 Total Suspended Solids (TSS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05110347	MGL		(0-0)	
LCS1	Total Suspended Solids (TSS)	175	150	MGL	85.7	(71-107)	
LCS2	Total Suspended Solids (TSS)	175	154	MGL	88.0	(71-107)	
MBLK	Total Suspended Solids (TSS)	ND	<10	MGL			
MRL_CHK	Total Suspended Solids (TSS)	10.0	8	MGL	80.0	(50-150)	

QC Ref #366915 Kjeldahl Nitrogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05080474	MGL		(0-0)	
LCS1	Kjeldahl Nitrogen	4	3.87	MGL	96.8	(90-110)	
LCS2	Kjeldahl Nitrogen	4	3.83	MGL	95.8	(90-110)	
MBLK	Kjeldahl Nitrogen	ND	<0.20	MGL			
MRL_CHK	Kjeldahl Nitrogen	0.1	0.074	MGL	74.0	(50-150)	
MS	Kjeldahl Nitrogen	4	3.94	MGL	98.5	(90-110)	
MSD	Kjeldahl Nitrogen	4	3.83	MGL	95.8	(90-110)	
MS_2ND	Kjeldahl Nitrogen	4	3.78	MGL	94.5	(90-110)	
RPD_LCS	Kjeldahl Nitrogen	96.750	95.750	MGL	1.0	(0-20)	
RPD_MS	Kjeldahl Nitrogen	98.500	95.750	MGL	2.8	(0-20)	

QC Ref #367351 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.994	MGL	99.4	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.997	MGL	99.7	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0097	MGL	97.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.989	MGL	98.9	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	

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Tronox LLC - Henderson
(continued)

MSD	Chromium, Total, ICAP	1.00	0.992	MGL	99.2	(70-130)
MSD2	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)

QC Ref #367357 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	4.86	MGL	97.2	(85-115)	
LCS2	Iron, Total, ICAP	5.0	4.82	MGL	96.4	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0233	MGL	116.5	(50-150)	
MS	Iron, Total, ICAP	5.0	4.93	MGL	98.6	(70-130)	
MS2	Iron, Total, ICAP	5.0	5.07	MGL	101.4	(70-130)	
MSD	Iron, Total, ICAP	5.0	4.91	MGL	98.2	(70-130)	
MSD2	Iron, Total, ICAP	5.0	4.87	MGL	97.4	(70-130)	
RPD_LCS	Iron, Total, ICAP	97.200	96.400	MGL	0.8	(0-20)	
RPD_MS	Iron, Total, ICAP	98.600	98.200	MGL	0.4	(0-20)	

QC Ref #367456 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	05100094	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.6	UGL	102.4	(85-115)	
LCS2	Perchlorate	25.0	25.5	UGL	102.0	(85-115)	
LCS3	Perchlorate	4	4.12	UGL	103.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.9	UGL	95.6	(80-120)	
MSD	Perchlorate	25.0	24.3	UGL	97.2	(80-120)	
RPD_LCS	Perchlorate	102.400	102.000	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	95.600	97.200	UGL	1.0	(0-15)	

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 #367714 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05160664	UGL		(0-0)	
LCS1	Chlorate by IC	200	206	UGL	103.0	(90-110)	
LCS2	Chlorate by IC	200	204	UGL	102.0	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.0	9.31	UGL	93.1	(50-150)	
MS	Chlorate by IC	100	93.4	UGL	93.4	(75-125)	
MSD	Chlorate by IC	100	96.4	UGL	96.4	(75-125)	
RPD_LCS	Chlorate by IC	103.000	102.000	UGL	1.0	(0-20)	
RPD_MS	Chlorate by IC	93.400	96.400	UGL	3.2	(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)	

QC Ref #368933 Gross Alpha and Beta Radiation

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	05150180	PCIL		(0-5)	
DUP	Alpha, Gross	ND	ND	PCIL		(0-20)	
LCS1	Alpha, Gross	16.6	17.2	PCIL	103.6	(80-120)	
LCS2	Alpha, Gross	16.6	17.5	PCIL	105.4	(80-120)	
MBLK	Alpha, Gross	ND	<3.0	PCIL			

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

Laboratory
QC Report
#203814

Tronox LLC - Henderson
(continued)

MS	Alpha, Gross	33.2	41.8	PCIL	125.9	(70-130)
RPD_LCS	Alpha, Gross	103.614	105.422	PCIL	1.7	(0-20)
DUP	Beta, Gross	ND	ND	PCIL		(0-20)
LCS1	Beta, Gross	15.7	16.5	PCIL	105.1	(80-120)
LCS2	Beta, Gross	15.7	15.9	PCIL	101.3	(80-120)
MBLK	Beta, Gross	ND	<3.0	PCIL		
MS	Beta, Gross	31.4	33.9	PCIL	108.0	(70-130)
RPD_LCS	Beta, Gross	105.096	101.274	PCIL	3.7	(0-20)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates
are advisory only, unless otherwise specified in the method.



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 # **203814** Report Due: **05/31/07** Sub PO# **99-27924**

ncf Use MWH Lab # for ID

Client Sample ID for reference only

Date 05/09/07 Submittal Form & Purchase Order 99-27924

***REPORTING REQUIREMENTS: Do Not Combine Report with any other samples submitted under different MWH project numbers!**
 Report & Invoice must have the MWH Project Number **203814** Sub PO# **99-27924** 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

Analysis Requested Date & Time Matrix Container

1	@R226ED	2705080516	EFFLUENT	Radioactivity, Radium 226 Sub-contracted	05/07/07 06:30	dw	1 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR COMBIMANICE PLIC
2	@R228ED			Radioactivity, Radium 228 Sub-contracted			2 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR COMBIMANICE PLIC

[Signature]

Relinquished by: _____ Date 05/09/07 Time 15:17 MUST HAVE NOTIFICATION IF TEMP IS GREATER THAN 6 OR LESS THAN 2 CELSIUS
 Sample Control _____
 Received by: _____ Date _____ Time _____
 An Acknowledgement of Receipt is requested to attn: Julie Lee



Kerridgee-mp

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

May 31, 2007

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

Drinking Water Characterization; Purchase Order No. 99-27924
203814 NV DW, Ra-226/228; NV Cert Expires 05/31/07; MWH Laboratories
Pace Project No. 07-2580

Dear Ms. Montanez:

Enclosed are analytical results for the sample submitted by MWH Americas, Inc.
The sample was received and logged in for analysis on May 10, 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: 07-2580
CLIENT: Purchase Order Number: 99-27924

B: SAMPLE IDENTIFICATIONS:

PACE: 0705-0513
CLIENT: 2705080516

C: SHIPPING/RECEIVING COMMENTS:

Final Report 5/31/07.

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.

0000003

Table 1

General Data Table

MWH Americas, Inc.

Face Project No. 07-2580

Drinking Water Characterization; 203814 NV DW, Ra-226/228

Charge Order No. 99-27924; 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	05/22/07	0.246 ± 0.359	(0.603)
Ra-228 (EPA 904.0)	EPA 904.0	pCi/L	05/18/07	0.873 ± 0.385	(0.696)

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

0000004

Table 1
(Continued)

Parameter	Analytical Method	Units	Sample Identification	
			Analyzed	Act + Unc (MDC)
Ra-226 (EPA 903.1)	EPA 903.1	pCi/L	05/22/07	0.197 ± 0.288 (0.484)
Ra-228 (EPA 904.0)	EPA 904.0	pCi/L	05/18/07	0.592 ± 0.291 (0.545)

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

Quality Control Sample Performance Assessment



www.paceanalytical.com

Test: Ra-226
Analyst: CMC
Date: 5/17/2007
Worklist: 14586
Matrix: DW

Method Blank Assessment

MB Sample ID: MB14586
MB concentration: 0.197
MB Counting Uncertainty: 0.286
MB MDC: 0.484
MB Numerical Performance Indicator: 9.12
MB Status vs Numerical Indicator: N/A
MB Status vs MDC: Pass

Laboratory Control Sample Assessment

Count Date:	LCSD (Y or N)?	Y
5/22/2007	LCSD14586	5/22/2007
06-005	06-005	57.279
57.279	0.10	0.10
0.500	0.500	11.456
11.456	0.275	0.275
12.008	12.008	1.840
1.840	0.58	104.82%
104.82%	N/A	N/A
N/A	Pass	Pass

Duplicate Sample Assessment

Sample I.D.:	LCS14586	Enter Duplicate
Duplicate Sample I.D.:	LCSD14586	Sample IDs if other than LCS/LCSD in the space below.
Sample Result (pCi/L, g, F):	10.039	
Sample Duplicate Result (pCi/L, g, F):	1.747	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	12.008	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	1.840	
Are sample and/or duplicate results below MDC?	NO	
Duplicate Numerical Performance Indicator:	1.521	
Duplicate RPD:	17.86%	
Duplicate Status vs Numerical Indicator:	N/A	
Duplicate Status vs RPD:	Pass	

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

Comments:

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Sample Matrix Spike Control Assessment

Sample Collection Date: 5/7/2007
Sample I.D.: 0705-0617
Sample MS I.D.: 0705-0617MS
Sample MSD I.D.: 06-005
Spike I.D.: 57.280
MS/MSD Decay Corrected Spike Concentration (pCi/mL): 0.20
Spike Volume Used in MS (mL): 0.500
MS Target Conc (pCi/L, g, F): 22.912
MSD Aliquot (L, g, F): 0.550
MSD Target Conc. (pCi/L, g, F): -0.076
Spike uncertainty (calculated): 0.396
Sample Result Counting Uncertainty (pCi/L, g, F): 23.182
Sample Matrix Spike Result: 2.664
Matrix Spike Result Counting Uncertainty (pCi/L, g, F): 0.247
Sample Matrix Spike Duplicate Result: 101.51%
MS Numerical Performance Indicator: N/A
MSD Numerical Performance Indicator: Pass

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:
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:

5000000

65/3767

0000006



PACE Analytical Services, Inc.

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: OLB
Date: 5/18/2007
Worklist: 14587
Matrix: DW

Method Blank Assessment

MB Sample ID: MB14587
 MB concentration: 0.592
 MB Counting Uncertainty: 0.291
 MB MDC: 0.545
 MB Numerical Performance Indicator: 3.99
 MB Status vs Numerical Indicator: N/A
 MB Status vs MDC: See Comment*

Laboratory Control Sample Assessment

LCS (Y or N)?	Y
LCS14587	LCS14587
Count Date:	5/18/2007
Spike I.D.:	06-009
Spike Concentration (pCi/mL):	68.382
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.800
Target Conc. (pCi/L, g, F):	8.548
Uncertainty (Calculated):	0.265
Result (pCi/L, g, F):	7.296
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.813
Numerical Performance Indicator:	-0.64
Percent Recovery:	98.71%
Status vs Numerical Indicator:	N/A
Status vs Recovery:	Pass

Duplicate Sample Assessment

Sample I.D.: LCS14587
 Duplicate Sample I.D.: LCS14587
 Sample Result (pCi/L, g, F): 8.267
 Sample Result Counting Uncertainty (pCi/L, g, F): 0.813
 Sample Duplicate Result (pCi/L, g, F): 7.296
 Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 0.765
 Are sample and/or duplicate results below MDC? NO
 Duplicate Numerical Performance Indicator: 1.704
 Duplicate RPD: 12.47%
 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:

*The method blank result is below the reporting limit for this analysis and is acceptable.

65/3/167

Sample Matrix Spike Control Assessment

Sample Collection Date: 5/17/2007
 Sample I.D.: 0705-0498
 Sample MS I.D.: 0705-0498MS
 Spike I.D.: 06-009
 MS/MSD Decay Corrected Spike Concentration (pCi/mL): 68.641
 Spike Volume Used in MS (mL): 0.20
 MS Aliquot (L, g, F): 0.800
 MS Target Conc. (pCi/L, g, F): 17.160
 MSD Aliquot (L, g, F):
 MSD Target Conc. (pCi/L, g, F):
 Spike uncertainty (calculated): 0.532
 Sample Result: 0.815
 Sample Matrix Spike Result: 0.336
 Matrix Spike Result Counting Uncertainty (pCi/L, g, F): 14.812
 Matrix Spike Duplicate Result: 1.076
 Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):
 MS Numerical Performance Indicator: -4.976
 MS Percent Recovery: 81.56%
 MS Status vs Numerical Indicator: N/A
 MS Status vs Recovery: Pass

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 RPD:
 MS/MSD Duplicate Status vs Numerical Indicator:
 MS/MSD Duplicate Status vs RPD:



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 # **203814** Report Due: **05/31/07** Sub PO# **99-27924**



ncl

Client Sample ID for reference only

@R226ED 2705080516 EFFLUENT **0705-0513**

@R228ED **MB-054**

Date **05/09/07** Submittal Form & Purchase Order **99-27924**

*REPORTING REQUIREMENTS: Do Not Combine Report with any other samples submitted under different MWH project numbers/ Report & Invoice must have the MWH Project Number **203814** Sub PO# **99-27924** 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

07-2580

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

Container

Analysis Requested	Sample Date & Time	Matrix
Radioactivity, Radium 226 Sub-contracted	05/07/07 06:30 dw	1 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR COMBIMANCE D/C
Radioactivity, Radium 228 Sub-contracted		2 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR COMBIMANCE D/C

Relinquished by: *[Signature]* Date **05/09/07** Time **11:16** Sample Control **3671.1980** Date **5/10/07** Time **11:16** MUST HAVE NOTIFICATION IF TEMP IS GREATER THAN 6 OR LESS THAN 2 CELSIUS

An Acknowledgement of Receipt is requested to attn: Julie Lee Page 1



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

208874

MWLABS USE ONLY:

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629

(626) 386-1100 (800) 566-5227

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Weekly Permit Compliance Samples - SO #6532 & #6534

Sampler Signature: Michele Brown

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

Susan Crowley (702) 651-2234

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	ANALYSES REQUIRED										SAMPLER COMMENTS
							ClO4	RADCW6 (2 Btts)	NH3, NH3-DIST	pH, NO2-N, NO3-N, NH4R, TSS	ClO3	Fe, CR	T-P, TKN	Color	RA228EDD/RA228EDD (2 Btts)	CR	
6:30 AM	5/7/2007		EFFLUENT	RSW	X		X	X	X	X	X	X	X	X	X	X	Revised SO #6534
7:00	5/7/2007		INFLUENT	RSW	X		X	X	X	X	X	X	X	X	X	X	Revised SO #6532

5/15/07

Handwritten initials/signature

* 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

RELINQUISHED BY: Michele Brown
RECEIVED BY: Joe Sanchez
RELINQUISHED BY: Joe Sanchez
RECEIVED BY:

PRINT NAME

Michele Brown

JOE SANCHEZ

COMPANY/TITLE

Veolia Water NA for Tronox LLC - Henderson Plant

MWLA

DATE

5/7/2007

5/8/07

TIME

12:00 PM

10:00



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

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

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

W Weekly
Week 1

SO# 35496 6534 RS

Sampler: Please Return this Paper with your samples

Created by HV
Order Date 04/09/07
Date Needed by Client

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

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

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

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

Quote# HV

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	CLO4	1 125ml poly / no preservative		This is the weekly order for the
1	@RAD CWB	2: 1 125 ml poly / no pres & 1 x 500 ml poly + 2 ml HNO3 (18%)	UN 2031	EFFLUENT RA226/228 to be subbed to a NV certified lab
1	NH3, NH3-DIST	1 250 ml poly+ 1 ml H2SO4 (50%)	UN 2796	PLEASE SHIP EXTRA BLUE ICE DUE TO WARM WEATHER - also use a LARGE COOLER
1	PH, NO2-N, NO3, N-INOR, TSS	1 500 ml poly/ no preservative SHORT HOLDING TIME!!!!		login - use profile #KERREFF +CRVI-LOW
1	FE, CR	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN2031	for this site
1	T-P, TKN	1 250ml poly + 0.5ml H2SO4 (50%)	UN2796	CLIENT CODE CHANGED 7/25/03
1	COLOR	1 500ml amber glass / no preservative SHORT HOLDING TIME!!!!		Testcode for CRVI changed to IC effective 1/6/04
1	RA228EDD/RA226EDD	2 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR COMPLIANCE DL'S	UN 2031	Moved CBOD to separate order as of 10/21/04
1	CLO3	1 60ml poly+0.60 mL 5% EDA sol'n	UN 1604	updated BO 12-8-05 - deleted some tests and changed Cr from MS to ICP.
1	CRVI-LOW	1 125 ml poly/ 1 ml NH4SO4/NH4OH buffer	3077	added cl63 back 2-7-06
		note: deleted CRVI-LOW from bottle order - being sent separately from now on		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





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

W Weekly
Week 1

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

SO# 35495 6532 RS 0 **Sampler: Please Return this Paper with your samples**

Created by HV
Order Date 04/09/07
Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

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

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

Quote#

HV

Important Comments

UN#

Bottles-Qty for each sample, type & preservative if any.

of Samples Tests

# of Samples	Tests	Carrier	Qty of Coolers	Tracking Number	Date Shipped	Status	Prepared By
1	CLO4	1 125ml poly /no preservative					
1	NH3, NH3-DIST,	1 125 ml poly+ 0.5ml H2SO4 (50%)					
1	CR	1 125ml poly acid rinsed + 1ml HNO3 (18%)					
1	T-P, TKN	1 250ml poly + 0.5ml H2SO4 (50%)					
1	COLOR	1 500ml amber glass / no preservative SHORT HOLDING TIME!!!!					
1	NO2-N, NO3, N-INOR	1 500 ml poly / no preservative SHORT HOLDING TIME!!!!					
1	CLO3	1 60ml poly+0.60 mL 5% EDA sol'n					
1	CRVI-LOW	1x 125 ml poly/ 1 ml NH4SO4/NH4OH buffer					
		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

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: 142594

SCANNED

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 Federal Express		Date 5/7/07	FROM NO. STATION: STATE Henderson, NV 89015	
MWH LABORATORIES 750 Royal Oaks Avenue, Suite #100 Monrovia, CA 91016-3629 Phone: 626-568-6400			Authorization S. CROWLEY	
FREIGHT CHARGES <input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect		FULL NAME OF SHIPPER TRONOX LLC		
N/A/R		CUSTOMER PO OR REQ'N NO.	CODE NO. WCN IS 1321.10400 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 Henderson, NV				
LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY	
	Weekly Discreets—Influent and Effluent Grab Samples Not Regulated 1 ice chest @ 21 lbs 1 ice chest @ 32 lbs		2 COOLERS	
		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. TRONOX 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.		
TRUCK SHIPMENTS		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.		
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	
		0		
2	TOTAL GROSS WEIGHT 53	TOTAL TARE WEIGHT 0	53	
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 268859, Oklahoma City, OK 73126-8859	PER Olga Maestas	AGENT	PER	

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



CL5822387/2123

Ship Date: 07MAY07
ActWgt: 32 LB
System#: 2274147/INET2600
Account#: S *****

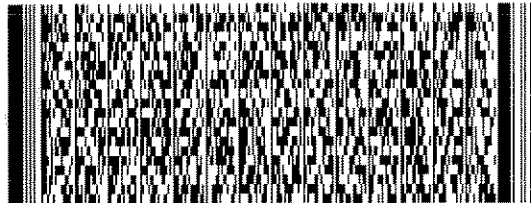
Delivery Address Bar Code



Ref # MSO #142594
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# **7996 3579 8828**

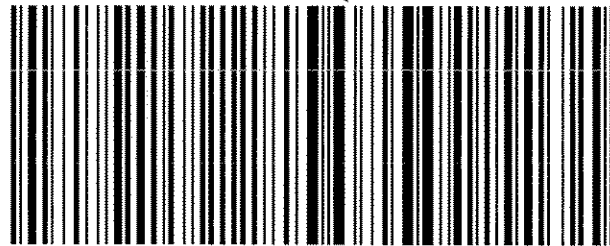
FORM
0201

Deliver By:
08MAY07

BUR A2

91016 -CA-US

QZ WHPA



SCANNED

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#: 203814
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **05/08/07**. 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
2705080516	EFFLUENT	@R226EDD @R228EDD @RADCWB CLO3 CLO4 COLOR CR CRVI-LOW FE N-INOR NH3 NH3-DIST NO2-N NO3 P PH T T-P TKN	Water	07-may-2007 06:30:00
2705080517	INFLUENT	CLO3 CLO4 COLOR CR NH3 NH3-DIST NO2-N NO3 NO3RFA P T T-P TKN	Water	07-may-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
P	Metals sample pH
PH	PH (H3=past HT, not compliant)
T	Metals Turbidity
T-P	Total phosphorus as P
TKN	Kjeldahl Nitrogen

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

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Group#: 203814
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
TSS	Total Suspended Solids (TSS)
