



MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

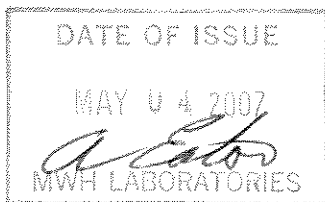
Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

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



ADE Andy Eaton
Project Manager



Report#: 201080
Project: CL04
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].

201080

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

SAMPLES CHECKED/LOGGED IN BY: AS

SAMPLE TEMP. RECEIPT AT LAB: 2°

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES												SAMPLER COMMENTS				
KERRMCGEE-MP Michele Brown		Weekly Permit Compliance Samples - SO #6532 & #6534		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)												2010/10/10				
Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009		COMP	GRAB	MATRIX	IDENTIFIER, STATE ID#	LOCATION	DATE	TIME	CL04	RAD/CWB (2 Bts)	NH3, NH3-DIST	PH, NO2-N, NO3-N, NH4-N, TSS	CL03	FE, CR	T-P, TKN	Color	RAZ28EDD/RAZ26EDD (2 Bts)	CR	NO2-N, NO3-N, NH4-N	
Sampler Signature: <i>Michele Brown</i> Susan Crowley (702) 651-2234									X	X	X	X	X	X	X	X	X	X	X	Revised SO #6534
					EFFLUENT		4/9/2007	6:30 AM	X	X	X	X	X	X	X	X	X	X	X	Revised SO #6532
					INFLUENT		4/9/2007	7:00	X	X	X	X	X	X	X	X	X	X	X	

* MATRIX TYPES:

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

RELINQUISHED BY: <i>Michele Brown</i>	Veolia Water NA for Tronox LLC - Henderson Plant	4/9/2007	12:00 PM
RECEIVED BY: <i>Joe Sanchez</i>	MWB	4/10/07	10:00
RELINQUISHED BY:			
RECEIVED 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 Ironox, 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

W Weekly
Week 1
Period

SO# 35174 6534 RS

Sampler: Please Return this Paper with your samples

Created by 0
Order Date 03/14/07
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

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

Send Report to
Ironox, LLC Henderson Plant
P.O. Box 55
Henderson, NV 89009

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

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

Quote#

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	@RADCW	2: 1 125 ml poly / no pres & 1 x 500 ml poly + 2 ml HNO3 (18%)	UN 2031	EFFLUENT
1	NH3, NH3-DIST	1 250 ml poly+ 1 ml H2SO4 (50%)	UN 2796	NOTIFY LAB AS SOON AS CR-VI COMES IN - 24HR ht RAZ28/228 to be subbed to a NV certified lab
1	PH, NO2-N, NO3, N-INOR, TSS	1 500 ml poly/ no preservative SHORT HOLDING TIME!!!!		PLEASE SHIP EXTRA BLUE ICE DUE TO WARM WEATHER - also use a LARGE COOLER
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	#KERREFF for this site
1	COLOR	1 500ml amber glass / no preservative SHORT HOLDING TIME!!!!		CLIENT CODE CHANGED 7/25/03
1	RA228EDD/RA226EDD	2 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR COMPLIANCE DL'S	UN 2031	Testcode for CRVI changed to IC effective 1/6/04
1	CLO3	1 60ml poly+0.60 mL 5% EDA sol'n	UN 1604	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 clob3 back 2-7-06
				removed CRVI-LOW to sep BO 2-10-06

Prepared By

Carrier Qty of Coolers Tracking Number

Date Shipped

Status

ActiveCode



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: 142548

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 Federal Express		Date 04/09/07	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
	Ice Chest with water samples Weekly Discreets (Influent—Effluent Weekly Grabs) 1 Ice Chest @ 33 lbs. 1 Ice Chest @ 22 lbs. Not Regulated		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 55	TOTAL TARE WEIGHT 0	55
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 Judi Durkin	AGENT	PER

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



Ship Date: 09APR07
 ActWgt: 33 LB
 System#: 2274147/INET2600
 Account#: S *****

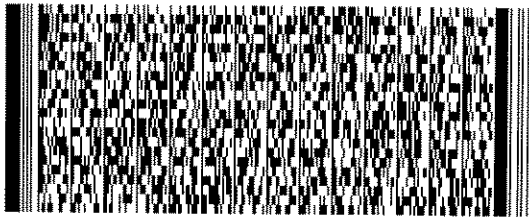
Delivery Address Bar Code



Ref # MSO #142548 - 33.0 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# 7916 6610 7917

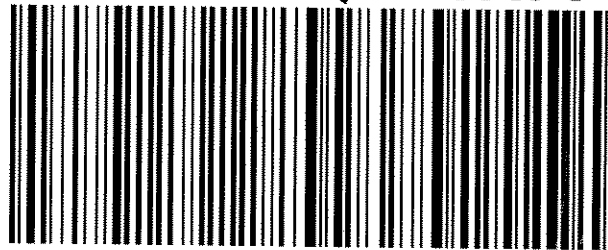
FORM 0201

Deliver By:
10APR07

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#: 201080
 Project#: CLO4
 Proj Mgr: Andrew Eaton
 Phone: (626) 386-1125

The following samples were received from you on **04/10/07**. 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	Matrix	Tests Scheduled	Sample Date
2704100232	EFFLUENT	Water		09-apr-2007 06:30:00
			@R226EDD @R228EDD @RADCWB CLO3 CLO4 COLOR	
			CR FE N-INOR NH3 NH3-DIST NO2-N	
			NO3 P PH T T-P TKN	
			TSS	
2704100233	INFLUENT	Water		09-apr-2007 07:00:00
			CLO3 CLO4 COLOR CR N-INOR NH3	
			NH3-DIST NO2-N NO3 NO3RFA P T	
			T-P TKN	

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
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-P
TKN	Kjeldahl Nitrogen
TSS	Total Suspended Solids (TSS)



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Report
Comments
#201080

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

(TKN) TKN influent is less than ammonia due to signal suppression on TKN. This has been documented on previous analysis.

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



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Laboratory
 Hits Report
 #201080

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

Samples Received
 10-apr-2007 14:58:39

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2704100232	EFFLUENT				
05/01/07		Radium 226	<0.374	3	pCi/l	0.37
05/01/07		Radium 226, Minimal Detectable	0.374		pCi/l	
05/01/07		Radium 226, Two Sigma Error	0.223		pCi/l	
05/01/07		Radium 228	0.836	5	pCi/l	0.74
05/01/07		Radium 228, Minimum Detectable	0.738		pCi/l	
05/01/07		Radium 228, Two Sigma Error	0.395		pCi/l	
04/16/07		Alpha, Gross	<9.00	15	pCi/l	9.0
04/16/07		Alpha, Min Detectable Activity	9.00		pCi/l	
04/16/07		Alpha, Two Sigma Error	8.1		pCi/l	
04/16/07		Ammonia Nitrogen	0.43		mg/l	0.050
04/10/07		Apparent Color	10	15	ACU	3.0
04/13/07		Iron, Total, ICAP	0.25	0.3	mg/l	0.020
04/20/07		Kjeldahl Nitrogen	1.64		mg/l	0.20
04/12/07		Metals digestion performed.	Y		Yes/No	
04/11/07		PH (H3=past HT, not compliant)	7.4	6.5-8.5	Units	0.0010
04/20/07		Perchlorate	20		ug/l	10
04/17/07		Total Inorganic Nitrogen-Calc	0.43		mg/l	0.20
04/15/07		Total Suspended Solids (TSS)	13		mg/l	10
04/11/07		Total phosphorus as P	0.19		mg/l	0.020
	2704100233	INFLUENT				
04/16/07		Ammonia Nitrogen	2.8		mg/l	0.50
04/10/07		Apparent Color	10	15	ACU	3.0
04/19/07		Chlorate by IC	502000		ug/l	50000
04/10/07		Chromium, Total, ICAP	0.039		mg/l	0.020
04/20/07		Kjeldahl Nitrogen	0.98		mg/l	0.50
04/16/07		Nitrate + Nitrite as N by RFA	18	10	mg/l	2.5
04/10/07		Nitrate as Nitrogen by IC	17	10	mg/l	5.0
04/20/07		Perchlorate	216000		ug/l	20000

SUMMARY OF POSITIVE DATA ONLY.



A Division of MWH Americas, Inc.

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Laboratory
Hits Report
#201080

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

Samples Received
10-apr-2007 14:58:39

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2704100233	INFLUENT				
04/17/07	Total Inorganic Nitrogen-Calc		20		mg/l	10
04/11/07	Total phosphorus as P		0.03		mg/l	0.020

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
 Data Report
 #201080

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

Samples Received
 04/10/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
EFFLUENT (2704100232) Sampled on 04/09/07 06:30								
	04/19/07 00:00	362750	(ML/EPA 300.0)	Chlorate by IC	ND	ug/l	50	5
	04/20/07 00:01	362791	(EPA 314)	Perchlorate	20	ug/l	10	5
	04/10/07 00:00	361281	(ML/SM2120B)	Apparent Color	10	ACU	3.0	1
	04/13/07 00:51	361663	(ML/EPA 200.7)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	04/12/07 14:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	04/13/07 00:51	361667	(ML/EPA 200.7)	Iron, Total, ICAP	0.25	mg/l	0.020	1
	04/17/07 08:13	362019	(ML/EPA 300.0)	Total Inorganic Nitrogen-Calc	0.43	mg/l	0.20	50
	04/16/07 00:00	361990	(ML/EPA 350.1)	Ammonia Nitrogen	0.43	mg/l	0.050	1
	04/10/07 14:51	361446	(ML/EPA 300.0)	Nitrite, Nitrogen by IC	ND	mg/l	5.0	50
	04/10/07 14:51	361449	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	ND	mg/l	5.0	50
	04/11/07 00:00	361474	(SM4500-HB)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
	04/11/07 00:00	361340	(S4500PE/ 365.1)	Total phosphorus as P	0.19	mg/l	0.020	1
	04/20/07 00:00	362979	(ML/EPA 351.2)	Kjeldahl Nitrogen	1.64	mg/l	0.20	1
	04/15/07 17:31	362007	(ML/EPA 160.2)	Total Suspended Solids (TSS)	13	mg/l	10	1
Gross Alpha Radiation								
	04/16/07 00:00	362017	(ML/EPA 900.0)	Alpha, Gross	<9.00	pCi/l	9.0	1
	04/16/07 00:00	362017	(ML/EPA 900.0)	Gross Alpha + adjusted error	NA	pCi/l	0	1
	04/16/07 00:00	362017	(ML/EPA 900.0)	Alpha, Two Sigma Error	8.1	pCi/l	0	1
	04/16/07 00:00	362017	(ML/EPA 900.0)	Alpha, Min Detectable Activity	9.00	pCi/l	0	1
Radium 226 (Sub)								
	05/01/07 00:00		(EPA 903.1)	Radium 226	<0.374	pCi/l	0.37	1
	05/01/07 00:00		(EPA 903.1)	Radium 226, Two Sigma Error	0.223	pCi/l	0	1
	05/01/07 00:00		(EPA 903.1)	Radium 226, Minimal Detectable	0.374	pCi/l	0	1
Radium 228 (Sub)								
	05/01/07 00:00		(EPA 904.0)	Radium 228	0.836	pCi/l	0.74	1
	05/01/07 00:00		(EPA 904.0)	Radium 228, Two Sigma Error	0.395	pCi/l	0	1
	05/01/07 00:00		(EPA 904.0)	Radium 228, Minimum Detectable	0.738	pCi/l	0	1



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Data Report
#201080

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
INFLUENT (2704100233)				Sampled on 04/09/07 07:00				
	04/19/07 00:00	362750	(ML/EPA 300.0)	Chlorate by IC	502000	ug/l	50000	5000
	04/20/07 00:01	362791	(EPA 314)	Perchlorate	216000	ug/l	20000	5000
	04/10/07 00:00	361281	(ML/SM2120B)	Apparent Color	10	ACU	3.0	1
	04/10/07 22:15	361156	(ML/EPA 200.7)	Chromium, Total, ICAP	0.039	mg/l	0.020	2
	04/17/07 08:13	362019	(ML/EPA 300.0)	Total Inorganic Nitrogen-Calc	20	mg/l	10	50
	04/16/07 00:00	361990	(ML/EPA 350.1)	Ammonia Nitrogen	2.8	mg/l	0.50	10
	04/10/07 14:37	361446	(ML/EPA 300.0)	Nitrite, Nitrogen by IC	ND	mg/l	5.0	50
	04/10/07 14:37	361449	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	17	mg/l	5.0	50
	04/16/07 15:24	362094	(ML/EPA 353.2)	Nitrate + Nitrite as N by RFA	18	mg/l	2.5	25
	04/11/07 00:00	361340	(S4500PE/ 365.1)	Total phosphorus as P	0.03	mg/l	0.020	1
	04/20/07 00:00	362979	(ML/EPA 351.2)	Kjeldahl Nitrogen	0.98	mg/l	0.50	5



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Laboratory
QC Summary
#201080

Tronox LLC - Henderson

QC Ref #361156 - Chromium, Total, ICAP	Analysis Date: 04/10/2007
2704100233 INFLUENT	Analyzed by: wbh
QC Ref #361281 - Apparent Color	Analysis Date: 04/10/2007
2704100232 EFFLUENT	Analyzed by: bxr
2704100233 INFLUENT	Analyzed by: bxr
QC Ref #361340 - Total phosphorus as P	Analysis Date: 04/11/2007
2704100232 EFFLUENT	Analyzed by: njr
2704100233 INFLUENT	Analyzed by: njr
QC Ref #361446 - Nitrite, Nitrogen by IC	Analysis Date: 04/10/2007
2704100232 EFFLUENT	Analyzed by: jkz
2704100233 INFLUENT	Analyzed by: jkz
QC Ref #361449 - Nitrate as Nitrogen by IC	Analysis Date: 04/10/2007
2704100232 EFFLUENT	Analyzed by: jkz
2704100233 INFLUENT	Analyzed by: jkz
QC Ref #361474 - PH (H3=past HT, not compliant)	Analysis Date: 04/11/2007
2704100232 EFFLUENT	Analyzed by: dtn
QC Ref #361663 - Chromium, Total, ICAP	Analysis Date: 04/13/2007
2704100232 EFFLUENT	Analyzed by: wbh
QC Ref #361667 - Iron, Total, ICAP	Analysis Date: 04/13/2007
2704100232 EFFLUENT	Analyzed by: wbh



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QC Summary
#201080

Tronox LLC - Henderson
(continued)

QC Ref #361990	- Ammonia Nitrogen	Analysis Date: 04/16/2007
2704100232	EFFLUENT	Analyzed by: nina
2704100233	INFLUENT	Analyzed by: nina
QC Ref #362007	- Total Suspended Solids (TSS)	Analysis Date: 04/15/2007
2704100232	EFFLUENT	Analyzed by: anh
QC Ref #362017	- Gross Alpha Radiation	Analysis Date: 04/16/2007
2704100232	EFFLUENT	Analyzed by: ajc
QC Ref #362019	- Total Inorganic Nitrogen-Calc	Analysis Date: 04/17/2007
2704100232	EFFLUENT	Analyzed by: dwr
2704100233	INFLUENT	Analyzed by: dwr
QC Ref #362094	- Nitrate + Nitrite as N by RFA	Analysis Date: 04/16/2007
2704100233	INFLUENT	Analyzed by: maria
QC Ref #362750	- Chlorate by IC	Analysis Date: 04/19/2007
2704100232	EFFLUENT	Analyzed by: raja
2704100233	INFLUENT	Analyzed by: raja
QC Ref #362791	- Perchlorate	Analysis Date: 04/20/2007
2704100232	EFFLUENT	Analyzed by: raja
2704100233	INFLUENT	Analyzed by: raja



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Laboratory
QC Summary
#201080

Tronox LLC - Henderson
(continued)

QC Ref #362979 - Kjeldahl Nitrogen

Analysis Date: 04/20/2007

2704100232	EFFLUENT
2704100233	INFLUENT

Analyzed by: njr
Analyzed by: njr



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QC Report
#201080

Tronox LLC - Henderson

QC Ref #361156

Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.995	MGL	99.5	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0101	MGL	101.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.999	MGL	99.9	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.973	MGL	97.3	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.990	MGL	99.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.965	MGL	96.5	(70-130)	

QC Ref #361281

Apparent Color

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

QC Ref #361340

Total phosphorus as P

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04050231	MGL		(0-0)	
LCS1	Total phosphorus as P	0.4	0.423	MGL	105.7	(90-110)	
LCS2	Total phosphorus as P	0.4	0.417	MGL	104.2	(90-110)	
MBLK	Total phosphorus as P	ND	<0.020	MGL			
MRL_CHK	Total phosphorus as P	0.02	0.015	MGL	75.0	(50-150)	
MS	Total phosphorus as P	0.4	0.421	MGL	105.2	(90-110)	
MS2	Total phosphorus as P	0.4	0.435	MGL	108.7	(90-110)	
MSD	Total phosphorus as P	0.4	0.424	MGL	106.0	(90-110)	
RPD_LCS	Total phosphorus as P	105.750	104.250	MGL	1.4	(0-10)	
RPD_MS	Total phosphorus as P	105.250	106.000	MGL	0.7	(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.

Tronox LLC - Henderson
(continued)

QC Ref #361446 Nitrite, Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04100238	MGL		(0-0)	
LCS1	Nitrite, Nitrogen by IC	1.0	1.06	MGL	106.0	(90-110)	
LCS2	Nitrite, Nitrogen by IC	1.0	1.06	MGL	106.0	(90-110)	
MBLK	Nitrite, Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrite, Nitrogen by IC	0.050	0.0565	MGL	113.0	(50-150)	
MS	Nitrite, Nitrogen by IC	0.500	0.48	MGL	96.0	(90-110)	
MSD	Nitrite, Nitrogen by IC	0.500	0.478	MGL	95.6	(90-110)	
RPD_LCS	Nitrite, Nitrogen by IC	106.000	106.000	MGL	0.0	(0-20)	
RPD_MS	Nitrite, Nitrogen by IC	96.000	95.600	MGL	0.4	(0-20)	

QC Ref #361449 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04100238	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	2.49	MGL	99.6	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0486	MGL	97.2	(50-150)	
MS	Nitrate as Nitrogen by IC	1.25	1.29	MGL	103.2	(80-112)	
MSD	Nitrate as Nitrogen by IC	1.25	1.29	MGL	103.2	(80-112)	
RPD_LCS	Nitrate as Nitrogen by IC	99.600	99.600	MGL	0.0	(0-20)	
RPD_MS	Nitrate as Nitrogen by IC	103.200	103.200	MGL	0.0	(0-20)	

QC Ref #361474 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04090070	UNIT		(0-0)	
DUP	PH (H3=past HT, not compliant)	7.90	7.92	UNIT		(0-20)	0.3

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

Tronox LLC - Henderson
 (continued)

QC Ref #361663 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.967	MGL	96.7	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.967	MGL	96.7	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0094	MGL	94.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.968	MGL	96.8	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.966	MGL	96.6	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.936	MGL	93.6	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.948	MGL	94.8	(70-130)	

QC Ref #361667 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	4.89	MGL	97.8	(85-115)	
LCS2	Iron, Total, ICAP	5.0	4.74	MGL	94.8	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.022	MGL	110.0	(50-150)	
MS	Iron, Total, ICAP	5.0	4.85	MGL	97.0	(70-130)	
MS2	Iron, Total, ICAP	5.0	4.83	MGL	96.6	(70-130)	
MSD	Iron, Total, ICAP	5.0	4.62	MGL	92.4	(70-130)	
MSD2	Iron, Total, ICAP	5.0	4.79	MGL	95.8	(70-130)	
RPD_LCS	Iron, Total, ICAP	97.800	94.800	MGL	3.1	(0-20)	
RPD_MS	Iron, Total, ICAP	97.000	92.400	MGL	4.9	(0-20)	

QC Ref #361990 Ammonia Nitrogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04120339	MGL		(0-0)	
LCS1	Ammonia Nitrogen	1.00	1.03	MGL	103.0	(90-110)	
LCS2	Ammonia Nitrogen	1.00	1.03	MGL	103.0	(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.

Tronox LLC - Henderson
 (continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
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	0.984	MGL	98.4	(90-110)	
MSD	Ammonia Nitrogen	1.00	0.954	MGL	95.4	(90-110)	
MS_2ND	Ammonia Nitrogen	1	0.920	MGL	92.0	(90-110)	
RPD_LCS	Ammonia Nitrogen	103.000	103.000	MGL	0.0	(0-20)	
RPD_MS	Ammonia Nitrogen	98.400	95.400	MGL	3.1	(0-20)	

QC Ref #362007 Total Suspended Solids (TSS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04100232	MGL		(0-0)	
LCS1	Total Suspended Solids (TSS)	175	164	MGL	93.7	(80-120)	
LCS2	Total Suspended Solids (TSS)	175	160	MGL	91.4	(80-120)	
MBLK	Total Suspended Solids (TSS)	ND	<10	MGL			

QC Ref #362017 Gross Alpha and Beta Radiation

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04100238	PCIL		(0-0)	
DUP	Alpha, Gross	ND	ND	PCIL		(0-20)	
LCS1	Alpha, Gross	16.6	16.1	PCIL	97.0	(80-120)	
LCS2	Alpha, Gross	16.6	16.5	PCIL	99.4	(80-120)	
MBLK	Alpha, Gross	ND	<3.0	PCIL			
MS	Alpha, Gross	33.2	36.7	PCIL	110.5	(70-130)	
RPD_LCS	Alpha, Gross	96.988	99.398	PCIL	2.5	(0-20)	
DUP	Beta, Gross	ND	ND	PCIL		(0-20)	
LCS1	Beta, Gross	15.7	15.2	PCIL	96.8	(80-120)	
LCS2	Beta, Gross	15.7	15.1	PCIL	96.2	(80-120)	
MBLK	Beta, Gross	ND	<3.0	PCIL			
MS	Beta, Gross	31.4	30.6	PCIL	97.5	(70-130)	
RPD_LCS	Beta, Gross	96.815	96.178	PCIL	0.7	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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(continued)

QC Ref #362094 Nitrate + Nitrite as N by RFA

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04110292	MGL		(0-0)	
LCS1	Nitrate + Nitrite as N by RFA	1.0	0.972	MGL	97.2	(90-110)	
LCS2	Nitrate + Nitrite as N by RFA	1.0	0.962	MGL	96.2	(90-110)	
MBLK	Nitrate + Nitrite as N by RFA	ND	<0.10	MGL			
MRL_CHK	Nitrate + Nitrite as N by RFA	0.050	0.058	MGL	116.0	(50-150)	
MS	Nitrate + Nitrite as N by RFA	1.0	1.02	MGL	102.0	(90-110)	
MSD	Nitrate + Nitrite as N by RFA	1.0	0.95	MGL	95.0	(90-110)	

QC Ref #362750 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	04170201	UGL		(0-0)	
LCS1	Chlorate by IC	200	200	UGL	100.0	(90-110)	
LCS2	Chlorate by IC	200	197	UGL	98.5	(90-110)	
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.000	12.5	UGL	125.0	(50-150)	
MS	Chlorate by IC	100	95.3	UGL	95.3	(75-125)	
MSD	Chlorate by IC	100	95.9	UGL	95.9	(75-125)	
RPD_LCS	Chlorate by IC	100.000	98.500	UGL	1.5	(0-20)	
RPD_MS	Chlorate by IC	95.300	95.900	UGL	0.6	(0-20)	

QC Ref #362791 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04110493	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.3	UGL	97.2	(85-115)	
LCS2	Perchlorate	25.0	25.5	UGL	102.0	(85-115)	
LCS3	Perchlorate	4	4.26	UGL	106.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

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



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(continued)

MS	Perchlorate	25.0	24.5	UGL	98.0	(70-130)
MSD	Perchlorate	25.0	23.4	UGL	93.6	(70-130)
RPD_LCS	Perchlorate	97.200	102.000	UGL	4.8	(0-20)
RPD_MS	Perchlorate	98.000	93.600	UGL	4.6	(0-20)

QC Ref #362979

Kjeldahl Nitrogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	04180155	MGL		(0-0)	
LCS1	Kjeldahl Nitrogen	4	3.92	MGL	98.0	(90-110)	
LCS2	Kjeldahl Nitrogen	4	3.96	MGL	99.0	(90-110)	
MBLK	Kjeldahl Nitrogen	ND	<0.20	MGL			
MRL_CHK	Kjeldahl Nitrogen	0.1	0.080	MGL	80.0	(50-150)	
MS	Kjeldahl Nitrogen	4	3.73	MGL	93.2	(90-110)	
MSD	Kjeldahl Nitrogen	4	4.40	MGL	<u>110.0</u>	(90-110)	
MS_2ND	Kjeldahl Nitrogen	4	3.67	MGL	91.8	(90-110)	
RPD_LCS	Kjeldahl Nitrogen	98.000	99.000	MGL	1.0	(0-20)	
RPD_MS	Kjeldahl Nitrogen	93.250	110.000	MGL	16.5	(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.



Kerrmcgee-mp

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May 3, 2007

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

Drinking Water Characterization; Purchase Order No. 99-27425
201080 NV DW, Ra-226/228; NV Cert Expires 05/31/07; MWH Laboratories
Pace Project No. 07-2165

Dear Ms. Montanez:

Enclosed are analytical results for the sample submitted by MWH Americas, Inc. The sample was received on April 12, 2007 and logged in for analysis on April 13, 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:jac

Enclosures

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc.



PACE ANALYTICAL SERVICES, INC.
CASE NARRATIVE

I. PROJECT LOGIN INFORMATION:

A: PROJECT NUMBERS:

PACE: 07-2165

CLIENT: Purchase Order Number: 99-27425

B: SAMPLE IDENTIFICATIONS:

PACE: 0704-0688

CLIENT: 2704100232

C: SHIPPING/RECEIVING COMMENTS:

Final Report 5/3/07.

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.

0000002

0000003

Table 1
General Data Table
MWH Americas, Inc.
Pace Project No. 07-2165
Drinking Water Characterization; 201080 NV DW, Ra-226/228
Charge Order No. 99-27425; NV Cert Expires 05/31/07

Page 1 of 2

Pace Sample ID	MWH ID/MWH Client ID	Date Collected	Parameter Identification	
			Analyzed	Act ± Unc (MDC)
			Ra-226 (EPA 903.1)	
			EPA 903.1	
			pCi/L	
0704-0688	2704100232	(4/9/07)	0.152 ± 0.223	(0.374)
0704-0689	Method Blank	(4/12/07)	0.092 ± 0.181	(0.339)

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

0000004

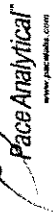
Table 1
(Continued)

Sample ID	Pace	MWH ID/MWH Client ID	Date Collected	Parameter Identification	
				Act ± Unc (MDC)	pCi/L
0704-0688		2704100232	(4/9/07)	0.836 ± 0.395	(0.738)
0704-0689		Method Blank	(4/12/07)	0.540 ± 0.313	(0.605)

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

0000005

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: CMC
Date: 4/20/2007
Worklist: 14460
Matrix: DW

Method Blank Assessment

MB Sample ID: MB14460
MB concentration: 0.092
MB Counting Uncertainty: 0.181
MB MDC: 0.338
MB Numerical Performance Indicator: 10.85
MB Status vs Numerical Indicator: N/A
MB Status vs. MDC: Pass

Laboratory Control Sample Assessment

Count Date:	Y	LCSID
5/1/2007	Y	LCS14460
5/1/2007	Y	LCS14460
06-005		57.281
0.10		0.10
0.500		0.500
11.456		11.456
0.275		0.275
11.933		11.933
1.468		1.549
-1.14		0.59
92.41%		104.16%
N/A		N/A
Pass		Pass

Duplicate Sample Assessment

Sample I.D.:	Y	LCSID
LCS14460	Y	LCS14460
LCS14460	Y	LCS14460
10.586		10.586
1.469		1.469
11.933		11.933
1.549		1.549
NO		NO
-1.237		-1.237
11.96%		11.96%
N/A		N/A
Pass		Pass

Sample Matrix Spike Control Assessment

Sample Collection Date: 4/12/2007
Sample I.D.: 0704-0750
Sample MS I.D.: 0704-0750MS

MS/MSD Decay Corrected Spike Concentration (pCi/mL): 06-005
Spike Volume Used in MS (mL): 57.282
Spike Volume Used in MSD (mL): 0.20
MS Aliquot (L, g, F): 0.500
MS Target Conc. (pCi/L, g, F): 22.913
MSD Aliquot (L, g, F):
MSD Target Conc. (pCi/L, g, F):
Spike uncertainty (calculated): 0.550
Sample Result: 0.000
Sample Result Counting Uncertainty (pCi/L, g, F): 0.238
Sample Matrix Spike Result: 19.207
Sample Matrix Spike Result Counting Uncertainty (pCi/L, g, F): 1.852
Sample Matrix Spike Duplicate Result:
Sample Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):
MS Numerical Performance Indicator:
MSD Numerical Performance Indicator:
MS Percent Recovery: -3.730
MSD Percent Recovery: 83.83%
MS Status vs Numerical Indicator: N/A
MSD Status vs Numerical Indicator:
MS Status vs Recovery: Pass
MSD Status vs Recovery:

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.:
Sample MS I.D.:
Sample Matrix Spike Result:
Sample Matrix Spike Duplicate Result:
Sample 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:

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

Comments:

5/13/07

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
 Analyst: OLB
 Date: 5/1/2007
 Worklist: 14462
 Matrix: DW

Method Blank Assessment

MB Sample ID: MB14462
 MB concentration: 0.540
 MB Counting Uncertainty: 0.313
 MB MDC: 0.605
 MB Numerical Performance Indicator: 3.38
 MB Status vs Numerical Indicator: N/A
 MB Status vs. MDC: **Pass**

Laboratory Control Sample Assessment

Count Date:	Y
5/1/2007	LCS14462
06-009	5/1/2007
68.766	06-009
0.10	0.10
0.800	0.800
8.586	8.586
0.266	0.266
7.677	7.677
0.843	0.843
-2.04	-2.04
83.76%	89.31%
N/A	N/A
Pass	Pass

LCS/LCSD Counting Uncertainty (pCi/L, g, F):
 Numerical Performance Indicator:
 Percent Recovery:
 Status vs Numerical Indicator:
 Status vs Recovery:

Duplicate Sample Assessment

Sample I.D.: LCS14462
 Duplicate Sample I.D.: LCS14462
 Sample Result Counting Uncertainty (pCi/L, g, F): 7.200
 Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 7.677
 Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 0.843
 Are sample and/or duplicate results below MDC? NO
 Duplicate Numerical Performance Indicator: -0.810
 Duplicate RPD: 6.42%
 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.

Sample Matrix Spike Control Assessment

Sample Collection Date: 4/3/2007
 Sample I.D.: 0704-0707
 Sample MS I.D.: 0704-0707MS
 Sample MSD I.D.: 06-009
 Spike I.D.: 69.415
 MS/MSD Decay Corrected Spike Concentration (pCi/mL): 0.20
 Spike Volume Used in MS (mL): 0.800
 Spike Volume Used in MSD (mL): 17.364
 MS Aliquot (L, g, F):
 MS Target Conc. (pCi/L, g, F):
 MSD Aliquot (L, g, F):
 MSD Target Conc. (pCi/L, g, F):
 Spike uncertainty (calculated):
 Sample Result: 0.538
 Sample Matrix Spike Result: 0.405
 Sample Matrix Spike Result: 0.363
 Matrix Spike Result Counting Uncertainty (pCi/L, g, F): 12.537
 Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): 0.985
 Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): -8.680
 MS Numerical Performance Indicator:
 MSD Numerical Performance Indicator:
 MS Percent Recovery: 69.91%
 MSD Percent Recovery:
 MS Status vs Numerical Indicator: N/A
 MS Status vs Recovery: **Pass**
 MSD Status vs Numerical Indicator:
 MSD Status vs Recovery:

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.:
 Sample MS I.D.:
 Sample MSD I.D.:
 Matrix Spike Result Counting Uncertainty (pCi/L, g, F):
 Sample Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):
 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:

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

Comments:

0000006



MWH Laboratories
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 750 Royal Oaks Drive Suite 100
 Monrovia, CA 91016-3629
 Ph (626) 386-1100 Fax (626) 386-1095

To: **Mike Schnupp**
 Sage Analytical - Waltz Mill

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

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

MWH Project # Report Due: Sub PO#
 201080 05/03/07 99 - 27425



ncl

Date 04/11/07 Submittal Form & Purchase Order 99-27425
 *REPORTING REQUIREMENTS: Do Not Combine Report with any other samples submitted under different MWH project numbers!
 Report & Invoice must have the MWH Project Number 201080 and Job # 1000032
 Sub PO# 99-27425

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: mwclabs-subcontractreports@mwglobal.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

07-2165

Client Sample ID for reference only	Analysis Requested	Sample Date & Time	Matrix	Container	
2704100232	EFFLUENT	070N-- 0688	Radioactivity, Radium 226 Sub-contracted	04/09/07 06:30 dw	1 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR COMBIMANCE P.C.
@R226ED			Radioactivity, Radium 228 Sub-contracted		2 1L poly + 4ml HNO3 (18%) MUST BE 1 FULL LITER FOR COMBIMANCE P.C.
@R228ED					

6912 3615 2644

[Handwritten Signature]

Relinquished by:

Sample Control

Date 04/11/07

Time 11:00

Page 1

MUST HAVE NOTIFICATION IF TEMP IS GREATER THAN 6 OR LESS THAN 2 CELSIUS

An Acknowledgement of Receipt is requested to attn: Julie Lee