

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

Laboratory Report

for

Tronox LLC - Henderson PO Box 55

Henderson , NV 89009

Attention: Susan Crowley Fax: 702-651-2310

DATE OF ISSUE

ADE Andy Eaton Project Manager



Report#: 160656 CLO4

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 6 page[s].

67656	≍l ~	LLY FROZEN THAWED			reu tot each sample inte)	SAMPLER COMMENTS	Total Cr sample preserved with HNO.		Total Cr sample preserved with HNO3.	Total Cr sample preserved with HNO.		East & West CLO4 added beginning 11-11-04		Reported by Weight: SO = Soil SL = Sludge		DATE TIME 11/3/2005 12:00			N/4/05 11:05	D / (PAGE 1 of 1
DDY RECORD	SAMPLES CHECKED/LOGGED IN BY: SAMPLE TEMP, RECEIPT AT LAB: <	BLUE ICE: FROZEN PARTIALLY FROZEN	REFER TO ATTACHED BOTTI E ORDER EOD ANALYSES			010 1610 01 28 N 28 50	╺┫───┼╸			50%	*/			- >	SW = Storm Water	Veolia Water NA for Kerr McGee Chemical I I C			MINT	4.xls SCANNE
HAIN OF CUSTODY RECORD			II REFER TO	ANALYS	шпішол 14-313 144 Г.З. 1797С	CGAR COMP COMP COMP COMP COMP COMP COMP COMP	X X 1			M X X M				RGW = Raw Ground Water RSW = Raw Surface Water	PRINT NAME			///	ANANDE-S	weekly gwtp comp revised 11-11-04.xls
с С	MWLABS USE ONLY: LOGIN COMMENTS:		PROJECT JOB #/P.O.#	Weekly Cr Consent Order Compliance Samples	Kerr-McGee Chemical LLC PO Box 55 Henderson, NV 89009	IDENTIFIER, STATE ID#	GWTP Discharge RSW	GWTP West Well Feed RSW		GWTP East Well Feed RSW				Reported by Volume: CFW = Chlor(am)inated Finished Water FW = Other Finished Water		Wendy Prescott		for the second s	tes 13	.
MONTGOMERY WATSON LABORATORIES	750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016-3629 (626) 568-6400 (800) 566-5227	MPLER:		Weekly	Peoco H	LOCATION	-05							Reported by Volume. CFW = Chlor(am)inated FW = Other Finished V	SIGNATURE	Aw with	۲. ««««»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»	the second s	10 x a var	
WONTGO	750 Royal Oaks Drive, Su (626) 568-6400	TO BE COMPLETED BY SAMPLER:	COMPANY / PROJECT NAME	KERRMCGEE-MP	Wendy Prescory	TIME DATE	10:00 AM 10-30,11-1,3-05	10:00 AM 11/3/2005		10:00 AM 11/3/2005				* MATRIX TYPES:		RELINDUISHED BY:	RECEIVED BY:	RECEIVED BY:	6 / 08	c.o.f#

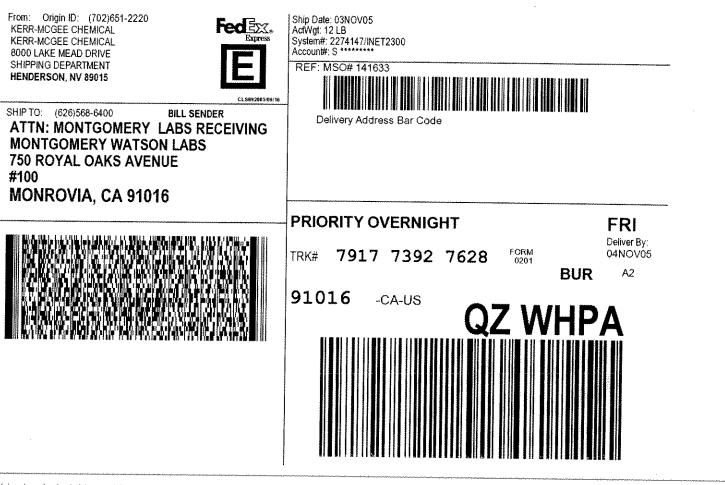
I[SO]) Page 1 of26952	Period	Billing Address KMCLLC attn. Contract 304280 PO Box 3049 Livonia. MI. 48150	Quote#	UN# Important Comments	UN 2031 GWTP WEST WELL FEED	- UN 1604 CLO4, CLO3, NO3RFA ON			Please sample late in the day and send via priority overnight to	ensure that we receive CRVI within hold time whenever possible.	BOTTLES		 shipping - the CLO3 bottle has been missed several times - blease be sure if is included! 		SQARED SQARED
mpany - Hende	W Weekly Week 1	₩ ₩ ₩ ₩ ₩ ₩		γι	*	1	I	E	1	ł	1 1	I	1 1	J I I	Prepared By
der for Kerr McGee Chemical Company - Henderson		Send Report to Kerr McGee Henderson Plant P.O.Box 55. Henderson, NV 89009	ATTN: Susan Crowley PHONE: 702-651-2234 FAX: 702-651-2310	y for each sample, type & preservative if any	rinsed + 1mi HNO3 (18%) Insed' no preservative SHORT HOL DING TIMFIIII	tt 5% EDA sol'n	1 125ml poly /no preservative AMBER IF WITH CLO3!	l H2SO4 (50%)					Confusee a		oolers Tracking Number
icas, Inc. Bottle Or Standing	D FAX (626) 386-1124 Clie Project Manager Proje one/Voice Mail Blar Sampler: Please Return this	k fits to ater Drive	Susan Crowley 702-651-2234	Bottles-Qty for	 250 ml poly acid rinsed 125ml poly acid rinsed/ 	1 60ml poly+0.60 mL 5%	1 125ml poly /no pr	1 250 ml poly+ 1 ml H2SO4 (50%)							Carrier Qty of Coolers
WWH Laboratories, a Division Cit, (AWH Americas, Inc. Bottle Order 250 Devel Othe Average State 100	Andrewa CA 91016 (626) 386-1124 Andrewa CA 91016 (626) 386-1100 FAX (626) 386-1124 Andrewa Eaton	Ship Sample Kits to Kerr McGee-Veolia Water Gate 1 8000 West Lake Mead Drive Henderson, NV 89015	ATTN: PHONE:												Date Shipped
MWH Laboratorie	7.00 Foyal Uars Ver Monrovia CA 91016 (Andrew Eaton (626).386.1125 26952 16287	405 ded	6	pies 165(S	CR-VI	03	04	NO3RFA							Status
E	SO#	Order Date Order Date 10/24/05 Date Needed by Client	Date Samples to Arrive at MWL SHIP LOCATI		<u>، ج</u>		3 CLO4	, ^S	1	EE	1 I	т) 	1 1	3 I	ActiveCode

STHIS 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.

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

the property desc and destined as i possession of the another Carrier o destination, and a the terms and co a rail or a rail-wai Shi thereof, set forti	cGEE CHEMICAL CO cribed below, in appare indicated below, which a property under the co in the route to said des as to each party at any nditions of the Uniform ter shipment, or (2) in 1 pper hereby certifies h in the classification a shipper and accept	ent good order, exce said Carner (the wc ontract) agrees to ca stination. It is mutua y time interested in a n Domestic Straight I the applicable motor is that he is familiar n or tariff which goo	rd Carrier being und my to its usual place ly agreed, as to ead il or any of said prop Sill of Lading set fort carrier classification with all the terms a verns the transport	derstood throughou of delivery at said ch Carrier of all or a berty, that every ser th (1) in Uniform Free h or tariff if this is a and conditions of t	t this contract as mea destination, if on its r ny said property over vice to be performed sight Classification in motor carrier shipme the said Bill of Ladii	ining any person i oute, otherwise to all or any portion hereunder shall t effect on the date ht. ig, including tho	or corporation in ordeliver to of said route to be subject to all hereof, if this is se on the back	FROM NO. STATION: STATE
CARRIER						Date		FROM NO. STATION: STATE
Federal	Express					11/3	/05	Henderson, NV 89015
	ABORATO al Oaks Av		te #100					Authorization S.CROWLEY
Monrovi	ia, CA 910 626-568-64)16-3629						FULL NAME OF SHIPPER KERR-McGEE CHEMICAL LLC
FREIGHT CHAI		T						CODE NO. WCN IF
xx Pre	paid 🗌 Co	llect						1321.10400 If it moves between
N/AR		CU	STOMER PO OR R	EQ'N NO.		Hen	derson,NV	two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.
LINE NO.		DESCRIPTIO	NAND CLASSIFICA	ATION		STOCK NO.	TOTAL QUANTITY	
	East and W						1 COOLER	
	East and West Well Feed Misc. Samples One ice chest at 12 lbs.							Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement. The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. KERR-MCGEE CHEMICAL LLC
								The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.
TRUCK SHIPME	ENTS		··	·····		L		FOR CHEMICAL EMERGENCY-SPILL, LEAK,
PLACARDS OF		ES IO	PLACARDS AC		YES NO			FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC – DAY OR NIGHT 800-424-9300
NUMBER (OF PACKAGES	GROSS	WEIGHT	TARE	WEIGHT	NE	TWEIGHT	483-7616 IN DISTRICT OF COLUMBIA
					0			202-483-7616 FROM OUTSIDE THE CONTINENTAL US.
1		GROSS	TAL WEIGHT 2		otal weight 0		12	"Shippers imprint in lieu of stamp; not a part of
	ne rate is dependent of f the property is hereby				the agreed or declar per	ed value of the pr	operty. The agreed or	Bill of Lading approved by the Interstate Commerce Commission"
THIS IS TO CER	TIFY THAT THE ABO	VE-NAMED MATER	IALS ARE PROPER	RLY CLASSIFIED, I	DESCRIBED, PACK	GED, MARKED	AND LABELED AND AR	E IN PROPER CONDITION FOR
KERR-MCGEE (Shipper permane	ION ACCORDING TO CHEMICAL LLC ent post office address na City, OK 73125	PER	Olga Mae		NT OF TRANSPORT	ATION.	PEF	2

SHIPPER'S NUMBER: 141633



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#: 160656 Project#: CLO4 Proj Mgr: Andrew Eaton Phone: (626) 386-1125

The following samples were received from you on **11/04/05**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample# S	Sample Id	Tests S	cheduled	Matrix		Sample Date	*********
2511040134 (GWTP DISCHAR	GE CLO3	CLO4	Water CR	CR-VI	03-nov-2005 NO3RFA P	the second second second second second
	GWTP WEST WE GWTP EAST WE	CLO4	CR CR CR	Water CR-VI Water CR-VI	P P P P	03-nov-2005 T 03-nov-2005 T	
		Test	Acronym	Descript	on		
Test Acro	onym Desc	ription					
CLO3 CLO4 CR CR-VI NO3RF P	Perch Chron Hexay A Nitra Metal	<i>r</i> alent chr	il, ICAP comium (C ite as N	r VI)		nan an	

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Report Comments #160656

750 Royal Oaks Drive, Suite 100 Monrovia, California 91018-3629 Tel: 626 386 1100 Fax: 626 386 1101 1 800 566 LABS (1 800 566 5227)

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Client Signature:_____

(QC Ref#: 2511040134)

Test: Hexavalent chromium (Cr VI) (MWH SW7196) H3- Sample was received and analyzed past holding time.

(QC Ref#: 2511040137)

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

H3- Sample was received and analyzed past holding time.

(QC Ref#: 2511040138)

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

H3- Sample was received and analyzed past holding time.



750 Royal Oaks Drive, Suite 100 Monrovia, California 91016-3629 Tet 826 386 1100 Fax: 626 386 1101 1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson Susan Crowley PO Box 55 Henderson , NV 89009 Laboratory Hits Report #160656

Samples Received 04-nov-2005 15:37:46

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2511040134	GWTP DISCHARGE				
11/16/05 11/10/05 11/13/05 11/28/05	Chlorate by I Chromium, Tot Nitrate + Nit Perchlorate		4700000 0.28 0.48 1600000	10	ug/l mg/l mg/l ug/l	200000 0.02 0.1 200000
	2511040137	GWTP WEST WELL	FEED			
11/10/05 11/11/05 11/28/05	Chromium, Tot Hexavalent ch Perchlorate	al, ICAP romium (Cr VI)	2.1 2.3 2000000)	mg/l mg/l ug/l	0.1 0.05 200000
	2511040138	GWTP EAST WELL	FEED			
11/10/05 11/04/05 11/28/05	Chromium, Tot Hexavalent ch Perchlorate	al, ICAP romium (Cr VI)	16 18 1200000		mg/l mg/l ug/l	0.2 0.5 200000

SUMMARY OF POSITIVE DATA ONLY.



750 Royal Oaks Drive, Suite 100 Monrovia, California 31016-3629 Tel: 626 386 1100 Fax: 626 386 1101 1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson Susan Crowley PO Box 55 Henderson , NV 89009 Laboratory Data Report #160656

Samples Received 11/04/05

Prepare	d Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
GWTP	DISCHARGE	(2511	.040134)	Sampled on 11/03/05	10:00			
	11/16/05 00:00	295945	(ML/EPA 300.1)	Chlorate by IC	4700000	ug/l	200000	20000
	11/28/05 16:07		(EPA 314)	Perchlorate	1600000	ug/l	200000	50000
	11/10/05 19:50		(MWH200.7/6010B)	Chromium, Total, ICAP	0.28	mg/l	0.02	2
	11/11/05 00:00			Hexavalent chromium (Cr VI)	ND (H3)	mg/l	0.01	2
	11/13/05 00:00	297882	(ML/EPA 353.2)	Nitrate + Nitrite as N by RFA	0.48	mg/l	0.1	1
GWTP	WEST WELL	FEED	(2511040137) Sampled on 11/	03/05 10	:00		
	11/28/05 16:24	297470	(EPA 314)	Perchlorate	2000000	ug/l	200000	50000
	11/10/05 20:09	294761	(MWH200.7/6010B)	Chromium, Total, ICAP	2.1	mg/l	0.1	10
	11/11/05 00:00	295078	(MWH SW7196)	Hexavalent chromium (Cr VI)	2.3(H3)	mg/l	0.05	10
GWTP	EAST WELL		(2511040138) Sampled on 11/	03/05 10	:00		
	11/28/05 16:41		(EPA 314)	Perchlorate	1200000	ug/l	200000	50000
	11/10/05 20:18	294761	(MWH200.7/6010B)	Chromium, Total, ICAP	16	mg/l	0.2	20
	11/04/05 00:00	294080	(MWH SW7196)	Hexavalent chromium (Cr VI)	18(H3)	mg/l	0.5	100

ALC: NO



Laboratory QC Summary #160656

750 Royal Oaks Drive, Suite 100 Monrovia, California 91016-3629 Tel: 626 386 1100 Fax: 626 386 1101 1 800 566 LABS (1 600 566 5227)

Tronox LLC - Henderson

QC	Ref	#294080 - Hexavalent	chromium (Cr VI) Analy:	sis Date: 11/04/2005
		2511040138	GWTP EAST WELL FEED	Analyzed by: dtn
QC	Ref	#294761 - Chromium, 7	otal, ICAP Analys	sis Date: 11/10/2005
			GWTP DISCHARGE GWTP WEST WELL FEED GWTP EAST WELL FEED	Analyzed by: wbh Analyzed by: wbh Analyzed by: wbh
QC	Ref	#295078 - Hexavalent	chromium (Cr VI) Analys	is Date: 11/11/2005
		2511040134 2511040137	GWTP DISCHARGE GWTP WEST WELL FEED	Analyzed by: wbh Analyzed by: wbh
QC	Ref	#295945 - Chlorate by	IC Analys	is Date: 11/16/2005
		2511040134	GWTP DISCHARGE	Analyzed by: bxs
QC	Ref	#297470 - Perchlorate	Analys	is Date: 11/28/2005
		2511040137	GWTP DISCHARGE GWTP WEST WELL FEED GWTP EAST WELL FEED	Analyzed by: bxs Analyzed by: bxs Analyzed by: bxs
QC	Ref	#297882 - Nitrate + N	itrite as N by RFA Analys	is Date: 11/13/2005
		2511040134	GWTP DISCHARGE	Analyzed by: ali



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)

Tronox LLC - Henderson

QC Ref #294080 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 25	11040088	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.051	MGL	102.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85~115)	1.9
MBLK	Hexavalent chromium (Cr VI)	ND	<0.005	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.054	MGL	108.0	(70-130)	3.6

QC Ref #294761

Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Límits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.905	MGL	90.5	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.917	MGL	91.7	(85-115)	1.3
MBLK	Chromium, Total, ICAP	ND	<0.01	MGL			
MS	Chromium, Total, ICAP	1.00	0.944	MGL	94.4	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.946	MGL	94.6	(70-130)	0.21

QC Ref #295078

Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 25	11110158	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.051	MGL	102.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.050	MGL	100.0	(85-115)	2.0
MBLK	Hexavalent chromium (Cr VI)	ND	<0.005	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.50	0.47	MGL	94.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.50	0.47	MGL	94.0	(70-130)	0.00

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



Laboratory QC Report #160656

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

Tronox LLC - Henderson (continued)

QC Ref #295945 Chlorate by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 25	11090478	UGL		(0-0)	
LCS1	Chlorate by IC	200	198	UGL	99.0	(75-125)	
LCS2	Chlorate by IC	200	197	UGL	98.5	(75-125)	0.51
MBLK	Chlorate by IC	ND	<10	UGL			
MRL_CHK	Chlorate by IC	10.000	10.3	UGL	103.0	(50-150)	
MS	Chlorate by IC	100	94	UGL	94.0	(75-125)	
MSD	Chlorate by IC	100	97	UGL	97.0	(75-125)	3.1

QC Ref #297470 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	25.0	24.1	UGL	96.4	(85-115)	
LCS1	Perchlorate	25.0	24.5	UGL	98.0	(85-115)	
MBLK	Perchlorate	ND	<4	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(70-130)	
MSD	Perchlorate	25.0	24.4	UGL	97.6	(70-130)	3.2

QC Ref #297882

Nitrate + Nitrite as N by RFA

QC.	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 25	11020152	MGL		(0-0)	
LCS1	Nitrate + Nitrite as N by RFA	1.0	1.05	MGL	105.0	(90-110)	
LCS2	Nitrate + Nitrite as N by RFA	1.0	1.08	MGL	108.0	(90-110)	2.8
MBLK	Nitrate + Nitrite as N by RFA	ND	<0.1	MGL			
MRL_CHK	Nitrate + Nitrite as N by RFA	0.100	0.103	MGL	103.0	(50-150)	
MS	Nitrate + Nitrite as N by RFA	1.0	1.08	MGL	108.0	(90-110)	
MSD	Nitrate + Nitrite as N by RFA	1.0	0.98	MGL	98.0	(90-110)	9.7

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