



**PROYECTO: CUENCA RÍO
SONORA; DERRAME DE LA
MINA BUENA VISTA DEL
COBRE, CANANEA, SONORA**

**TOMO IV
MUESTRAS BIOLÓGICAS**



INDICE GENERAL

1. Muestras Biológicas-----



- Sangre/ Uña/ Piel/ Orina/ Cerebro/ Hígado.
- Uña/ Garra/ Sangre/ L
- Uña/ Garra/ Pelo/ Pluma.
- Sangre
- Sangre (Segundo lote)
- Sangre (Tercer lote)
- Sangre (Cuarto lote)

CONTENIDO

MUESTRAS BIOLÓGICAS

(Sangre, Uña, Piel, Orina, Cerebro, Hígado)

- 1.1 Informes de resultados de prueba**
- 1.2 Curva de calibración**
- 1.3 Evaluación de muestras de control de calidad**
- 1.4 Datos crudos de lote analítico**



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.
EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO.
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



Número de acreditación No. SA-159-005/11
Vigencia de acreditación a partir de 2011-05-10
"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

INFORME DE RESULTADOS DE PRUEBA

DATOS DE LA MUESTRA

Matriz: MB (Sangre/Uña/Piel/Orina/Cerebro/Higado)
Fecha de Recepción: 2015-11-05

INTERESADO

Nombre : Laboratorio Nacional de las Ciencias de la Sostenibilidad; Instituto de Ecología-UNAM
Dirección: Av. Universidad No. 3000, Col. UNAM, CU, Del. Coyoacán, Distrito Federal, CP 04510

DATOS DEL ANÁLISIS

Método: Determinación de metales y metaloides en agua y alimentos por Espectrometría de Emisión de Plasma de Acoplamiento Inductivo (ICP-OES)
Referencia: EPA 6010C-2007
Resultados: Ver hoja excell2015/11/05 (3)
Fecha de Analisis de Metales y Mercurio: 2015-12-30 2016-01-04
Fecha de Realización del Informe: 2016-01-04

IDENTIFICACIÓN CLIENTE

L-F0024/15/00239
L-F0024/15/00240
L-F0025/15/00244
L-F0025/15/00249
L-F0026/15/00251
L-F0026/15/00252
L-F0053/15/00521
L-F0053/15/00524
L-F0053/15/00525
L-F0053/15/00529
L-F0054/15/00537
L-F0054/15/00538
L-F0054/15/00539
L-F0055/15/00542
L-F0055/15/00543
L-F0055/15/00544
L-F0059/15/00588

CLAVE DE IDENTIFICACIÓN

GISC15-22258
GISC15-22259
GISC15-22263
GISC15-22268
GISC15-22270
GISC15-22271
GISC15-22272
GISC15-22275
GISC15-22276
GISC15-22278
GISC15-22282
GISC15-22283
GISC15-22284
GISC15-22286
GISC15-22287
GISC15-22288
GISC15-22292



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.

EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



Número de acreditación No. SA-159-005/11

Vigencia de acreditación a partir de 2011-05-10

"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

IDENTIFICACIÓN CLIENTE

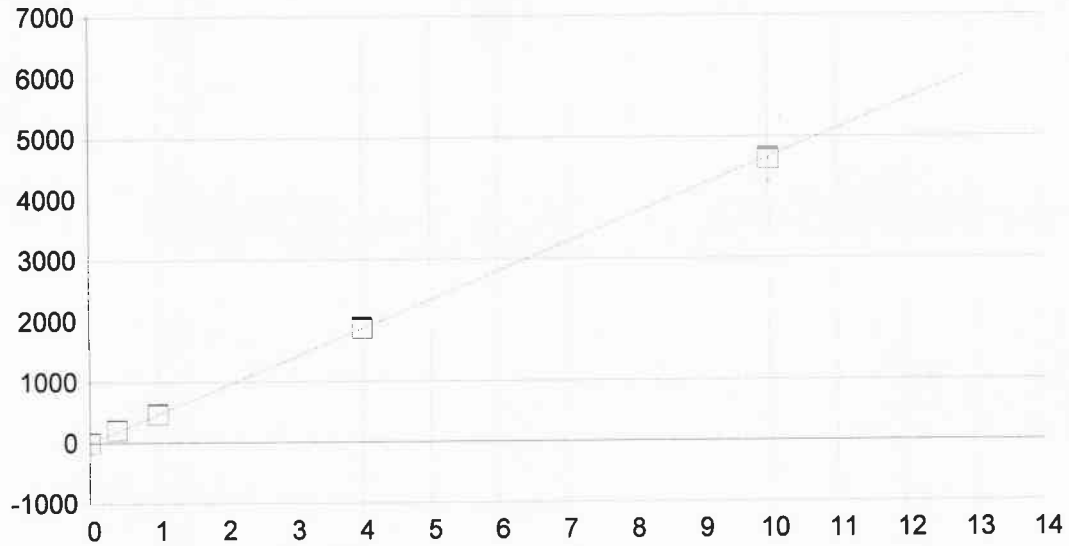
L-F0059/15/00589
L-F0060/15/00591
L-F0060/15/00592
L-F0103/15/01024
L-F0103/15/01026
L-F0103/15/01027
L-F0103/15/01028
L-F0103/15/01029
L-F0104/15/01031
L-F0104/15/01032
L-F0105/15/01050
L-F0106/15/01054
L-F0106/15/01055
L-F0106/15/01056
L-F0106/15/01057
L-F0106/15/01059
L-F0107/15/01065
L-F0107/15/01066
L-F0107/15/01067
L-F0107/15/01068

CLAVE DE IDENTIFICACIÓN

GISC15-22293
GISC15-22295
GISC15-22296
GISC15-22297
GISC15-22298
GISC15-22299
GISC15-22300
GISC15-22301
GISC15-22303
GISC15-22304
GISC15-22305
GISC15-22306
GISC15-22307
GISC15-22308
GISC15-22309
GISC15-22311
GISC15-22314
GISC15-22315
GISC15-22316
GISC15-22317

REVISÓ

Q.F.B. Leticia Velázquez Méndez
Gerente Técnico

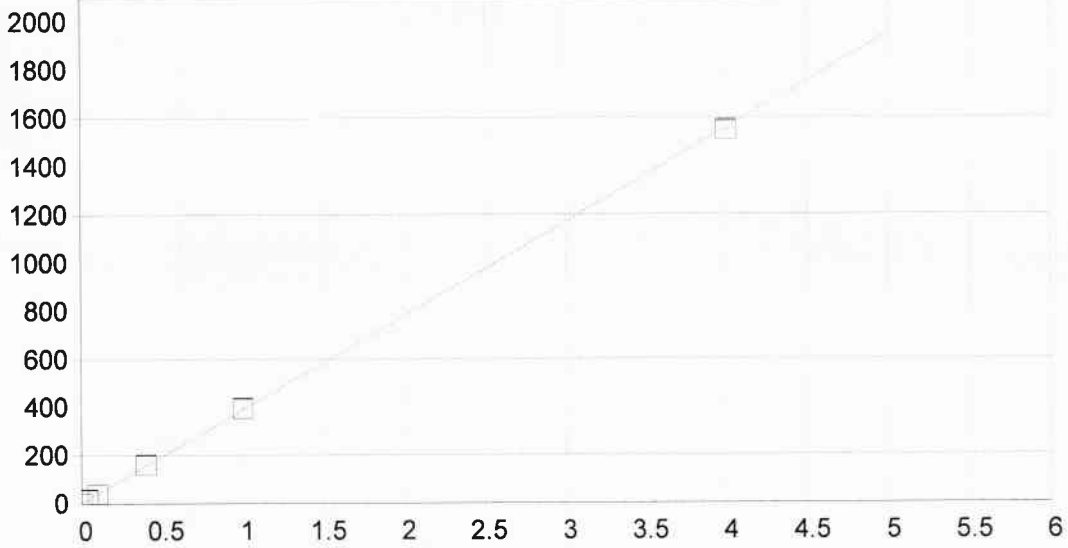


AI 396.152 { 85}

Fecha de la 30/12/2015 11:28:49 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): -5.623896 Reajustar P 1.000000
 A1 (Ganancia) 467.485551 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999736 Estatus: OK.
 Error Estándar de Est: 1.087988
 MDL: 0.015895
 MQL: 0.052982

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00006	-.000	.000	-5.6500	1.24	1
STD 5	.40000	.45499	.055	13.7	207.08	1.43	1
STD 6	1.0000	1.0070	.007	.700	465.13	8.15	1
STD 7	4.0000	4.0088	.009	.221	1868.4	17.8	1
STD 8	10.000	9.9292	-.071	-.708	4636.1	20.4	1

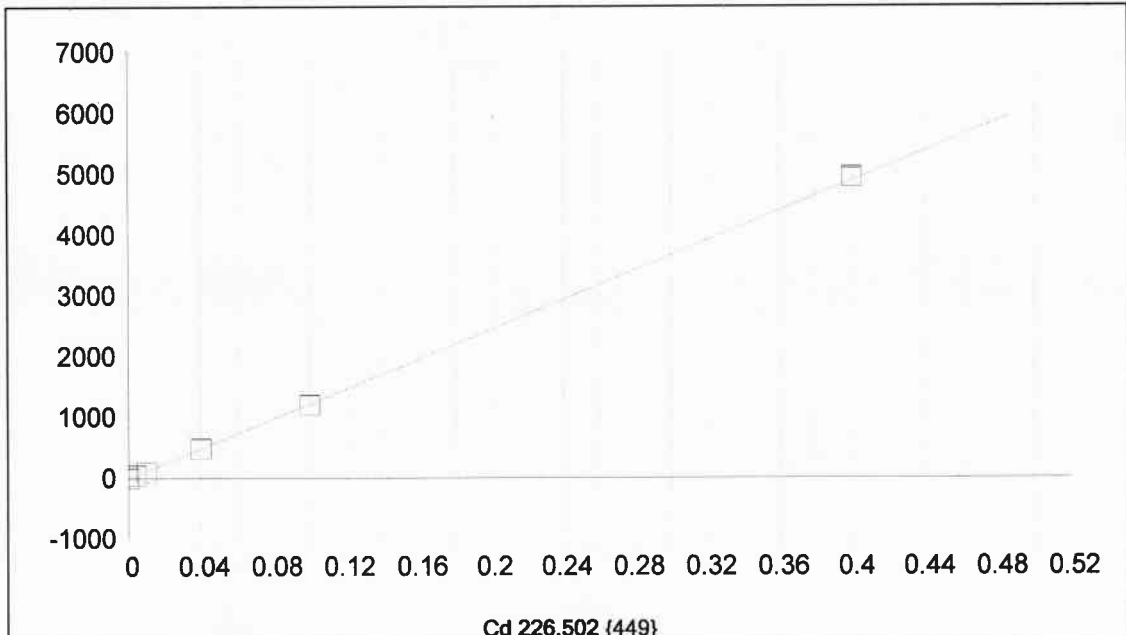


As 189.042 (478)

Fecha de la 30/12/2015 11:28:49 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 0.345437 Reajustar P 1.000000
 A1 (Ganancia) 389.165851 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999937 Estatus: OK.
 Error Estándar de Est: 0.079336
 MDL: 0.002215
 MQL: 0.007383

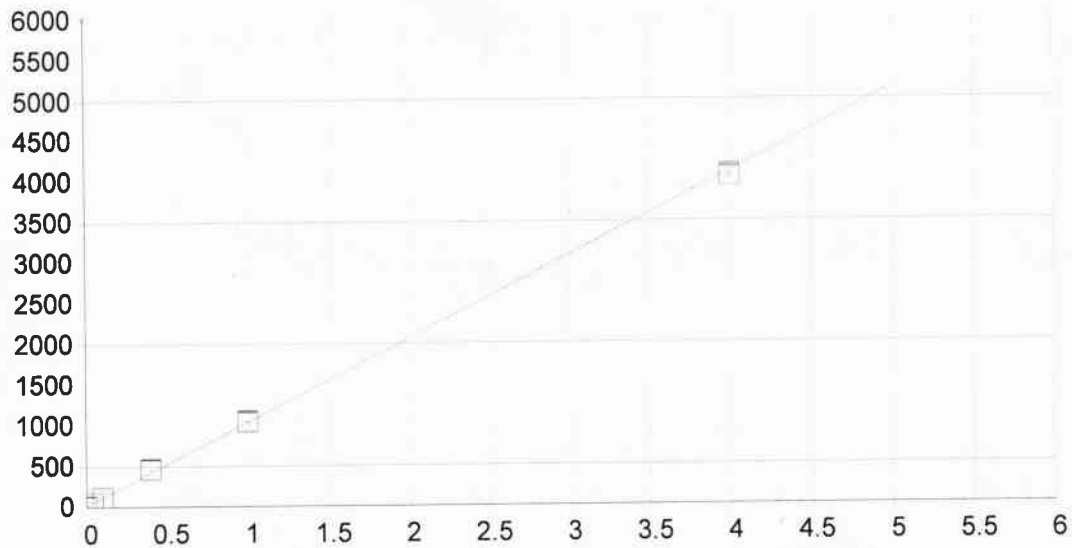
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	.34478	.091	1
STD 4	.10000	.09949	-.001	-.505	39.065	.225	1
STD 5	.40000	.41048	.010	2.62	160.09	1.15	1
STD 6	1.0000	1.0156	.016	1.56	395.56	1.05	1
STD 7	4.0000	3.9740	-.026	-.650	1546.9	4.09	1
STD 3	.04000	.04048	.000	1.20	16.099	.776	1



Fecha de la 30/12/2015 11:28:49 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): -0.311055 Reajustar P 1.000000
 A1 (Ganancia) 12242.43435 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999592 Estatus: OK.
 Error Estándar de Est: 0.637027
 MDL: 0.000114
 MQL: 0.000379

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	-.29981	.679	1
STD 1	.00400	.00392	-.000	-2.04	47.661	.410	1
STD 2	.01000	.00810	-.002	-19.0	98.883	2.07	1
STD 3	.04000	.03956	-.000	-1.10	484.01	1.70	1
STD 4	.10000	.09806	-.002	-1.94	1200.2	2.90	1
STD 5	.40000	.40436	.004	1.09	4950.0	19.9	1

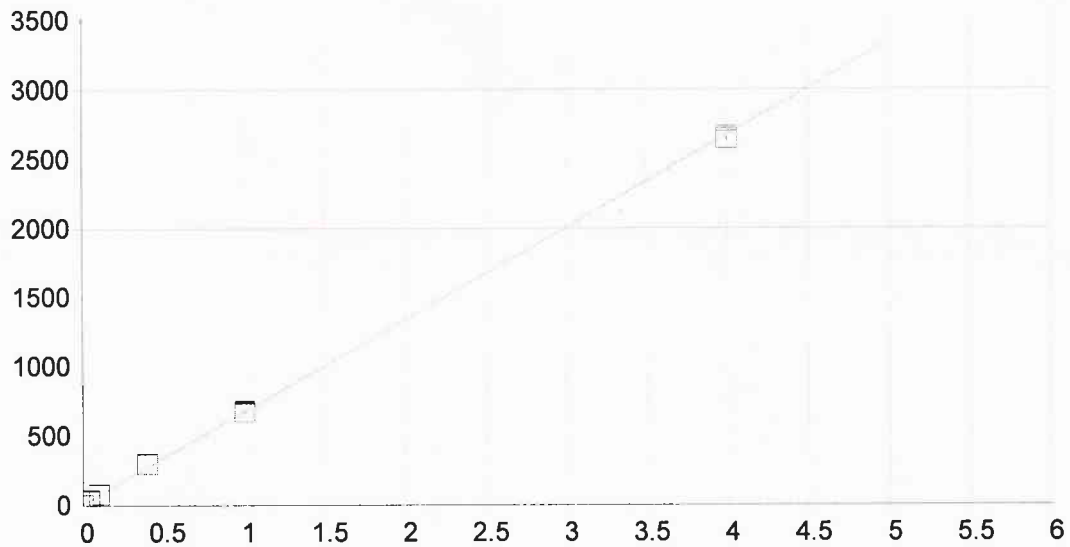


Cu 324.754 {104}

Fecha de la 30/12/2015 11:28:49 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 10.37764 Reajustar P 1.000000
 A1 (Ganancia) 1024.801797 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999506 Estatus: OK.
 Error Estándar de Est: 0.586725
 MDL: 0.004022
 MQL: 0.013408

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	10.370	3.56	1
STD 5	.40000	.43999	.040	10.00	461.28	6.62	1
STD 6	1.0000	1.0082	.008	.824	1043.6	10.8	1
STD 7	4.0000	3.9431	-.057	-1.42	4051.3	20.6	1
STD 3	.04000	.04110	.001	2.76	52.502	.424	1
STD 4	.10000	.10752	.008	7.52	120.56	.819	1

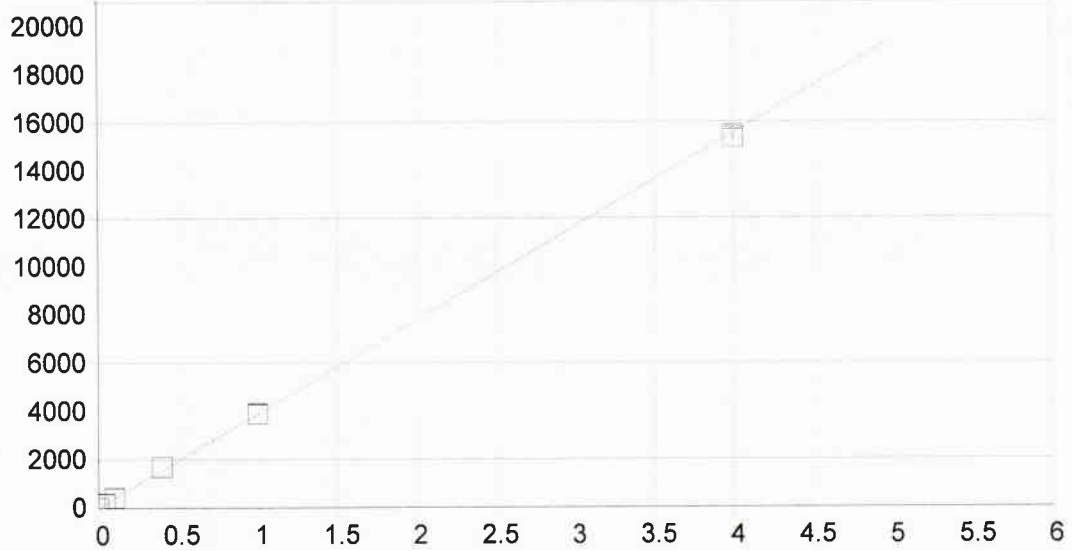


Fe 259.940 {130}

Fecha de la 30/12/2015 11:28:49 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 4.962883 Reajustar P 1.000000
 A1 (Ganancia) 667.562079 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999539 Estatus: OK.
 Error Estándar de Est: 0.369496
 MDL: 0.003130
 MQL: 0.010433

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	4.9567	.665	1
STD 5	.40000	.43738	.037	9.34	296.94	1.87	1
STD 6	1.0000	.99536	-.005	-.464	669.43	9.98	1
STD 3	.04000	.04228	.002	5.70	33.187	1.28	1
STD 4	.10000	.10982	.010	9.82	78.277	2.20	1
STD 7	4.0000	3.9552	-.045	-1.12	2645.3	17.1	1

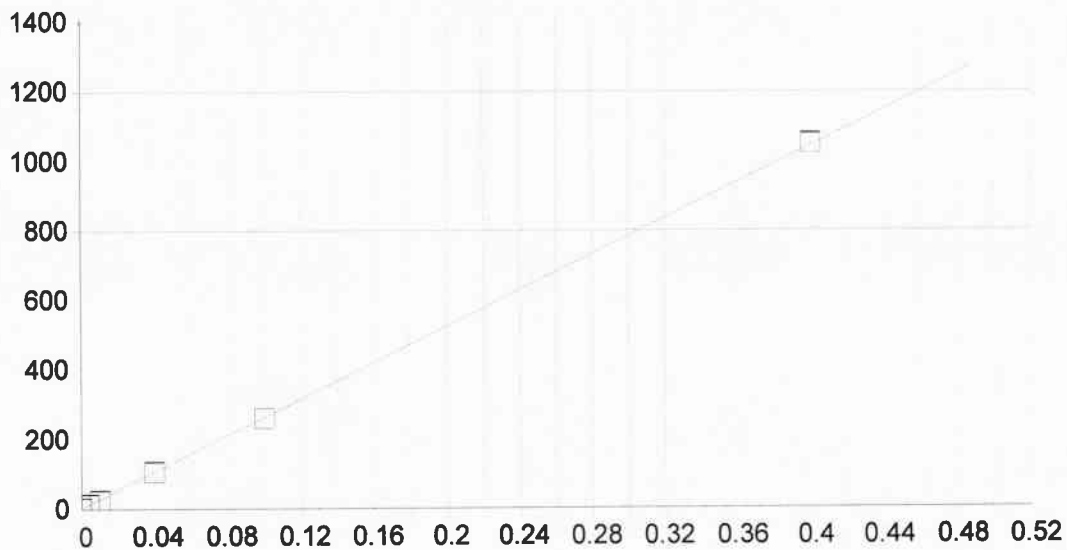


Mn 257.610 {131}

Fecha de la 30/12/2015 11:28:49 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 1.532212 Reajustar P 1.000000
 A1 (Ganancia) 3882.534344 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999624 Estatus: OK.
 Error Estándar de Est: 1.938883
 MDL: 0.000571
 MQL: 0.001904

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	1.5000	.919	1
STD 5	.40000	.43525	.035	8.81	1691.4	.180	1
STD 6	1.0000	1.0019	.002	.188	3891.4	22.6	1
STD 3	.04000	.04288	.003	7.21	168.03	2.29	1
STD 4	.10000	.10567	.006	5.67	411.81	2.24	1
STD 7	4.0000	3.9543	-.046	-1.14	15354.	92.2	1

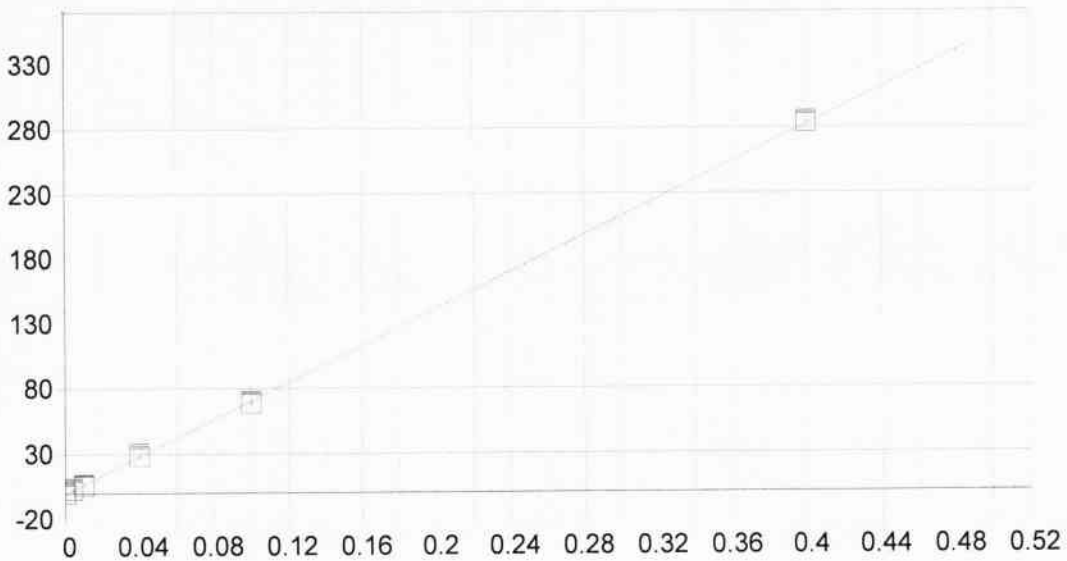


Ni 231.604 {446}

Fecha de la 30/12/2015 11:28:49 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 2.323688 Reajustar P 1.000000
 A1 (Ganancia) 2607.904153 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999737 Estatus: OK.
 Error Estándar de Est: 0.109064
 MDL: 0.000480
 MQL: 0.001600

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)JR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	2.3250	.331	1
STD 1	.00400	.00415	.000	3.74	13.146	1.25	1
STD 2	.01000	.00839	-.002	-16.1	24.215	1.22	1
STD 3	.04000	.03995	-.000	-.117	106.52	1.17	1
STD 4	.10000	.09892	-.001	-1.08	260.30	.267	1
STD 5	.40000	.40258	.003	.646	1052.2	2.23	1

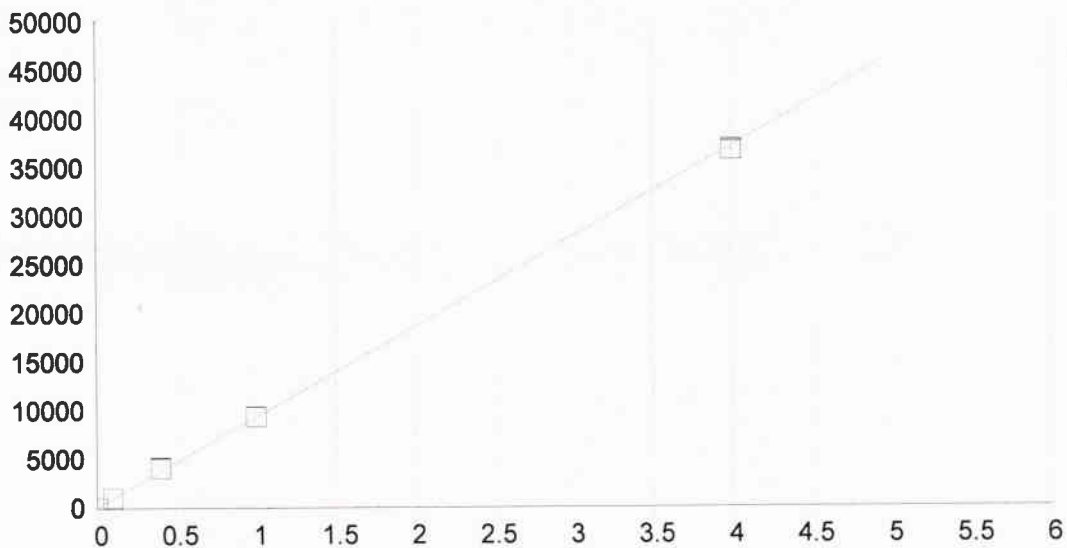


Pb 220.353 {453}

Fecha de la 30/12/2015 11:28:49 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): -0.350804 Reajustar P 1.000000
 A1 (Ganancia) 707.635226 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999820 Estatus: OK.
 Error Estándar de Est: 0.024491
 MDL: 0.001666
 MQL: 0.005552

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	-.35076	.953	1
STD 1	.00400	.00433	.000	8.22	2.7124	.941	1
STD 2	.01000	.00898	-.001	-10.2	6.0019	.609	1
STD 3	.04000	.04079	.001	1.96	28.510	1.61	1
STD 4	.10000	.09792	-.002	-2.08	68.944	1.10	1
STD 5	.40000	.40198	.002	.496	284.11	1.35	1

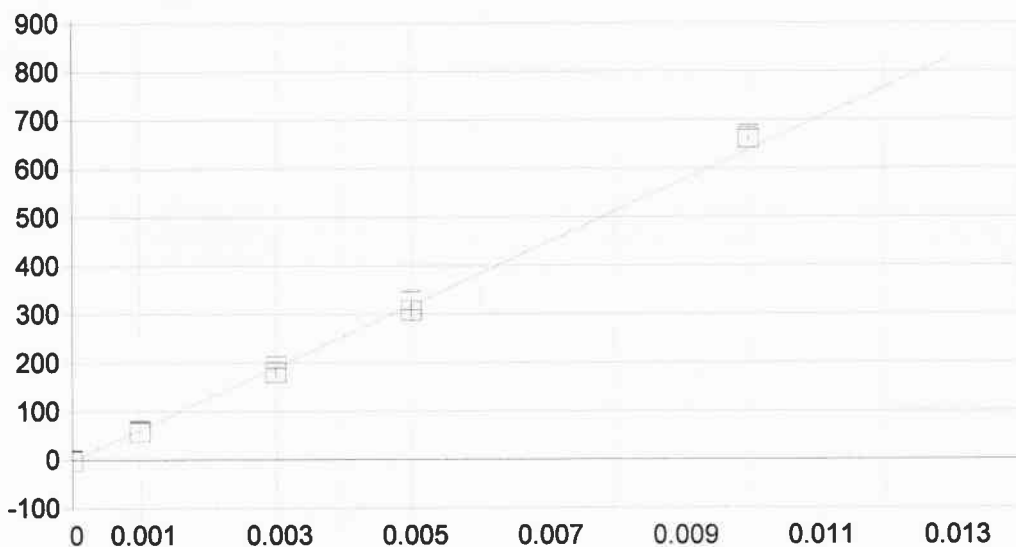


Zn 213.856 {458}

Fecha de la 30/12/2015 11:28:49 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 38.316324 Reajustar P 1.000000
 A1 (Ganancia) 9272.899960 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999580 Estatus: OK.
 Error Estándar de Est: 8.131548
 MDL: 0.000122
 MQL: 0.000406

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00002	-.000	.000	38.169	.038	1
STD 4	.10000	.10740	.007	7.40	1034.2	3.46	1
STD 5	.40000	.43730	.037	9.33	4093.4	26.6	1
STD 6	1.0000	1.0034	.003	.345	9343.2	7.86	1
STD 7	4.0000	3.9518	-.048	-1.20	36683.	119.	1



Hg 194.227 {474}

Fecha de la 04/01/2016 11:44:39 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): -1.818568 Reajustar P 1.000000
 A1 (Ganancia) 64018.35445 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999159 Estatus: OK.
 Error Estándar de Est: 0.466863
 MDL: 0.000023
 MQL: 0.000076

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	-1.8115	1.04	1
STD 1	.00100	.00093	-.000	-6.63	57.956	1.81	1
STD 2	.00300	.00286	-.000	-4.83	180.97	11.4	1
STD 3	.00500	.00483	-.000	-3.44	307.27	18.6	1
STD 4	.01000	.01038	.000	3.83	662.88	5.09	1



Análisis:

METALES PESADOS POR ICP-OES

Lote analítico:

DMP-
SANGRE/UÑA/ORINA/RIÑÓN/HUESO/HIGADO/
Ms/L-151230

Fecha de Análisis:

30/12/2015

Fecha de Reporte:

30/12/2015

CONCENTRACIONES DE LAS CURVAS DE CALIBRACION.

DESCRIPCIÓN	CONCENTRACION mg/L									
	Al	As	Cd	Cu	Fe	Mn	Ni	Pb	Zn	Hg
NIVEL 1			0.004				0.004	0.004		0.0010
NIVEL 2			0.010				0.010	0.010		0.0030
NIVEL 3		0.040	0.040	0.040	0.040	0.040	0.040	0.040		0.0050
NIVEL 4		0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0100
NIVEL 5	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	
NIVEL 6	1.000	1.000		1.000	1.000	1.000			1.000	
NIVEL 7	4.000	4.000		4.000	4.000	4.000			4.000	
NIVEL 8	10.000									
NIVEL 9										
Correlación	0.9997	0.9999	0.9996	0.9995	0.9995	0.9996	0.9997	0.9998	0.9996	0.9991

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No.¹	Identificación	Analito	Concentración mg/l		% Recobro²	No.¹	Identificación	Analito	Concentración mg/l		% Recobro²
			Teórica	Práctica					Teórica	Práctica	
10	QC:QC	Aluminio	0.4000	0.4285	107	43	QC:QC	Aluminio	0.4000	0.4212	105
		Arsénico	0.4000	0.4260	107			Arsénico	0.4000	0.4041	101
		Cadmio	0.4000	0.4015	100			Cadmio	0.4000	0.3733	93
		Cobre	0.4000	0.4201	105			Cobre	0.4000	0.4040	101
		Fierro	0.4000	0.4382	110			Fierro	0.4000	0.4386	110
		Manganeso	0.4000	0.4248	106			Manganeso	0.4000	0.4117	103
		Níquel	0.4000	0.3966	99			Níquel	0.4000	0.3664	92
		Plomo	0.4000	0.3998	100			Plomo	0.4000	0.3733	93
		Zinc	0.4000	0.4506	113			Zinc	0.4000	0.4275	107
		21	QC:QC	Aluminio	0.4000			0.4289	107	54	QC:QC
Arsénico	0.4000			0.4285	107	Arsénico	0.4000	0.4277	107		
Cadmio	0.4000			0.3984	100	Cadmio	0.4000	0.3924	98		
Cobre	0.4000			0.4126	103	Cobre	0.4000	0.4004	100		
Fierro	0.4000			0.4380	110	Fierro	0.4000	0.4330	108		
Manganeso	0.4000			0.4175	104	Manganeso	0.4000	0.4079	102		
Níquel	0.4000			0.3925	98	Níquel	0.4000	0.3849	96		
Plomo	0.4000			0.3974	99	Plomo	0.4000	0.3922	98		
Zinc	0.4000			0.4505	113	Zinc	0.4000	0.4536	113		
32	QC:QC			Aluminio	0.4000	0.3939	98	56	QC:QC		
		Arsénico	0.4000	0.4306	108	Arsénico	0.4000			0.4288	107
		Cadmio	0.4000	0.3971	99	Cadmio	0.4000			0.3896	97
		Cobre	0.4000	0.4118	103	Cobre	0.4000			0.3942	99
		Fierro	0.4000	0.4428	111	Fierro	0.4000			0.4406	110
		Manganeso	0.4000	0.4185	105	Manganeso	0.4000			0.4068	102
		Níquel	0.4000	0.3894	97	Níquel	0.4000			0.3819	95
		Plomo	0.4000	0.3960	99	Plomo	0.4000			0.3890	97
		Zinc	0.4000	0.4526	113	Zinc	0.4000			0.4570	114



Análisis:

METALES PESADOS POR ICP-OES

DMP-

Lote analítico:

SANGRE/UÑA/ORINA/RIÑÓN/HUESO
/HIGADO/Ms/L-151230

Fecha de Análisis:

30/12/2015

Fecha de Reporte:

30/12/2015

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
6	QC:QC	Mercurio	0.0050	0.0046	92						
17	QC:QC	Mercurio	0.0050	0.0050	100						
28	QC:QC	Mercurio	0.0050	0.0052	104						
39	QC:QC	Mercurio	0.0050	0.0051	102						
50	QC:QC	Mercurio	0.0050	0.0051	102						
52	QC:QC	Mercurio	0.0050	0.0053	106						

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)



Análisis:

METALES PESADOS POR ICP-OES

DMP-

Lote analítico:

SANGRE/UÑA/ORINA/RIÑÓN/HUESO
/HIGADO/Ms/L-151230

Fecha de Análisis:

30/12/2015

Fecha de Reporte:

30/12/2015

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No.¹	Identificación	Analito	Concentración mg/Kg		% Recobro²	No.¹	Identificación	Analito	Concentración mg/Kg		% Recobro²
			Teórica	Práctica					Teórica	Práctica	
12	Recuperación	Aluminio	40.0000	40.1300	100						
		Arsénico	40.0000	43.3000	108						
		Cadmio	40.0000	38.4500	96						
		Cobre	40.0000	38.5300	96						
		Fierro	40.0000	44.0600	110						
		Manganeso	40.0000	39.8700	100						
		Níquel	40.0000	37.5400	94						
		Plomo	40.0000	38.8000	97						
		Zinc	40.0000	46.0700	115						
8	Recuperación	Mercurio	0.5000	0.4951	99						

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)

I. B. I. Gaudencio Vargas Espejel

I.B.I. Gaudencio Vargas Espejel
ELABORÓ

Q.F.B. Leticia Velázquez Méndez

Q.F.B. Leticia Velázquez Méndez
REVISÓ

PACE/GIS/102-F01



Hoja de Trabajo (Preparación) -Metales y Metaloides-(2)

Clave	Matriz	Código	Fecha de Recepción	Peso de muestra (g)	
				Metales	Hg
GISC15-22258	Sangre		05/11/2015	0.5087	0.5063
GISC15-22259	Sangre		05/11/2015	0.5083	0.5034
GISC15-22263	Sangre		05/11/2015	0.5050	0.5063
GISC15-22268	Uña/Garra		05/11/2015	0.4991	0.5081
GISC15-22270	Sangre		05/11/2015	0.5043	0.5093
GISC15-22271	Sangre		05/11/2015	0.5071	0.5074
GISC15-22272	Orina		05/11/2015	0.5086	0.5051
GISC15-22275	Sangre		05/11/2015	0.5078	0.5061
GISC15-22276	Sangre		05/11/2015	0.5076	0.5072
GISC15-22278	Sangre		05/11/2015	0.5050	0.5084
GISC15-22282	Orina		05/11/2015	0.5096	0.5036
GISC15-22283	Sangre		05/11/2015	0.5097	0.5076
GISC15-22284	Sangre		05/11/2015	0.5003	0.5021
GISC15-22286	Sangre		05/11/2015	0.5016	0.5085
GISC15-22287	Sangre		05/11/2015	0.5091	0.5045
GISC15-22288	Orina		05/11/2015	0.5070	0.5025
GISC15-22292	Uña/Garra		05/11/2015	0.5006	0.5016
GISC15-22293	Sangre		05/11/2015	0.5101	0.5096
GISC15-22295	Uña/Garra		05/11/2015	0.5025	0.5023
GISC15-22296	Sangre		05/11/2015	0.5016	0.5037
GISC15-22297	Hueso		05/11/2015	0.5193	0.5081
GISC15-22298	Riñón		05/11/2015	0.5052	0.5063
GISC15-22299	Cerebro		05/11/2015	0.5052	0.5072
GISC15-22300	Piel		05/11/2015	0.5060	0.5031
GISC15-22301	Sangre		05/11/2015	0.5003	0.5019
GISC15-22303	Orina		05/11/2015	0.5019	0.5023
GISC15-22304	Uña/Garra		05/11/2015	0.5004	0.5076
GISC15-22305	Hígado		05/11/2015	0.5007	0.5063
GISC15-22306	Uña/Garra		05/11/2015	0.5108	0.5076
GISC15-22307	Sangre		05/11/2015	0.5004	0.5045

I. B. I. Gaudencio Vargas Espejel

I.B.I Gaudencio Vargas Espejel

Q.F.B. Leticia Velazquez Méndez

Q.F.B. Leticia Velazquez Méndez



Residuos Tóxicos

Hoja de Trabajo (Preparación) -Metales y Metaloides-(2)

Clave	Matriz	Código	Fecha de Recepción	Peso de muestra (g)	
				Metales	Hg
GISC15-22308	Pelo/Pluma		05/11/2015	0.5109	0.5072
GISC15-22309	Sangre		05/11/2015	0.5019	0.5041
GISC15-22311	MS		05/11/2015	0.5095	0.5065
GISC15-22314	L		05/11/2015	0.5002	0.5021
GISC15-22315	Sangre		05/11/2015	0.5046	0.5090
GISC15-22316	Orina		05/11/2015	0.5046	0.5090
GISC15-22317	Uña/Garra		05/11/2015	0.5131	0.5099

I. B. I. Gaudencio Vargas Espejel

I.B.I Gaudencio Vargas Espejel

Q.F.B. Leticia Velazquez Méndez

Q.F.B. Leticia Velazquez Méndez

1	Cal: Blanco 30/12/2015 08:28:00 IR D MP- 151230: SANGRE,UÑA:									
	AI3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s
Media	-5.650	.3448	-.2998	10.37	4.957	1.500	2.325	-.3508	38.17	
Desv. Est.	1.238	.0915	.6794	3.56	.665	.919	.331	.9527	.04	
% RSD	21.92	26.54	226.6	34.37	13.41	61.26	14.22	271.6	.0995	
Rep #1	-4.940	.3600	-1.082	8.164	5.370	1.225	2.699	-1.434	38.13	
Rep #2	-7.080	.4277	.1400	8.464	4.190	2.525	2.072	.3562	38.17	
Rep #3	-4.930	.2466	.0429	14.48	5.310	.7500	2.204	.0257	38.20	
2	Cal: STD 1 30/12/2015 08:31:12 IR D MP- 151230: SANGRE,UÑA:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	47.66	13.15	2.712							
Desv. Est.	.41	1.25	.941							
% RSD	.8613	9.510	34.68							
Rep #1	47.65	13.12	1.737							
Rep #2	48.08	14.41	3.614							
Rep #3	47.25	11.91	2.786							
3	Cal: STD 2 30/12/2015 08:36:24 IR D MP- 151230: SANGRE,UÑA:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	98.88	24.21	6.002							
Desv. Est.	2.07	1.22	.609							
% RSD	2.092	5.040	10.15							
Rep #1	99.52	25.17	5.454							
Rep #2	100.6	24.63	5.895							
Rep #3	96.57	22.84	6.657							
4	Cal: STD 3 30/12/2015 08:38:43 IR D MP- 151230: SANGRE,UÑA:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203			
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	16.10	484.0	52.50	33.19	168.0	106.5	28.51			
Desv. Est.	.78	1.7	.42	1.28	2.3	1.2	1.61			
% RSD	4.819	.3505	.8067	3.865	1.360	1.096	5.656			
Rep #1	16.99	482.7	52.02	34.38	167.0	107.2	28.76			
Rep #2	15.68	483.3	52.65	31.83	170.7	107.2	26.79			
Rep #3	15.62	485.9	52.83	33.35	166.4	105.2	29.99			
5	Cal: STD 4 30/12/2015 08:41:03 IR D MP- 151230: SANGRE,UÑA:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138		
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45		
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s		
Media	39.07	1200.	120.6	78.28	411.8	260.3	68.94	1034.		
Desv. Est.	.23	3.	.8	2.20	2.2	.3	1.10	3.		
% RSD	.5759	.2419	.6795	2.813	.5447	.1025	1.597	.3348		
Rep #1	39.31	1197.	119.6	79.22	411.2	260.6	68.81	1030.		
Rep #2	38.87	1200.	120.9	79.85	410.0	260.3	67.92	1036.		
Rep #3	39.01	1203.	121.2	75.76	414.3	260.0	70.11	1036.		
6	Cal: STD 5 30/12/2015 08:43:24 IR D MP- 151230: SANGRE,UÑA:									

11	Unk: BLANCO 30/12/2015 08:58:00 CONC D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.0003	.0008	.0030	.0151	.0018	.0034	.0011	.0171	
Desv. Est.	.0033	.0011	.0001	.0016	.0014	.0002	.0002	.0008	.0000	
% RSD	105.1	324.3	11.80	51.69	9.227	13.48	6.420	68.15	.2061	
Rep #1	-.0011	.0016	.0009	.0047	.0140	.0016	.0031	.0019	.0171	
Rep #2	-.0069	-.0003	.0008	.0016	.0146	.0020	.0034	.0013	.0170	
Rep #3	-.0014	-.0003	.0007	.0028	.0166	.0019	.0036	.0003	.0171	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
12	Unk: RECUPERACION 30/12/2015 09:00:48 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	40.13	43.30	38.45	38.53	44.06	39.87	37.54	38.80	46.07	
Desv. Est.	1.26	.34	.01	.51	.27	.15	.06	.17	.02	
% RSD	3.131	.7858	.0340	1.316	.6239	.3662	.1543	.4396	.0349	
Rep #1	40.40	43.32	38.46	37.95	43.92	39.71	37.56	38.93	46.06	
Rep #2	38.76	42.95	38.44	38.86	43.88	39.91	37.58	38.61	46.06	
Rep #3	41.23	43.63	38.44	38.78	44.37	39.99	37.47	38.85	46.09	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
13	Blanco: REACTIVO 30/12/2015 09:03:25 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.200	.0298	.0753	.0492	1.537	.1363	.3218	.0507	1.808	
Desv. Est.	.141	.0802	.0027	.0592	.073	.0491	.0592	.2172	.021	
% RSD	11.76	269.1	3.597	120.3	4.732	36.05	18.39	428.4	1.132	
Rep #1	1.342	.0517	.0785	.0984	1.581	.0900	.2535	.2892	1.796	
Rep #2	1.060	.0968	.0737	.0656	1.453	.1312	.3554	-.0016	1.797	
Rep #3	1.199	-.0591	.0739	-.0165	1.575	.1878	.3566	-.1356	1.832	
Comprobació										
Valor										
Intervalo										
14	Unk: GISC15-22258 30/12/2015 09:08:50 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	4.703	.1337	.0356	1.020	364.5	<.0000	<.0000	<.0000	.9820	
Desv. Est.	.925	.1981	.0216	.091	1.8	.0419	.0627	.0868	.0385	
% RSD	19.67	148.2	60.84	8.905	4959	116.2	31.79	53.08	3.925	
Rep #1	4.219	.3605	.0566	.9337	366.6	-.0026	-.1279	-.0671	1.022	
Rep #2	4.121	-.0055	.0368	1.115	363.6	-.0225	-.2141	-.2353	.9800	
Rep #3	5.770	.0462	.0133	1.011	363.4	-.0831	-.2499	-.1880	.9446	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
15	Unk: GISC15-22258-R 30/12/2015 09:11:11 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	

Media	2.928	.0759	<.0000	.7277	300.5	<.0000	<.0000	<.0000	.6945
Desv. Est.	.201	.2191	.0117	.4490	2.9	.0333	.0182	.1733	.0106
% RSD	6.856	288.5	44.54	61.69	.9545	70.80	8.063	86.11	1.519
Rep #1	3.158	-.1366	-.0128	.9935	303.0	-.0122	-.2329	-.3942	.6823
Rep #2	2.841	.3011	-.0315	.2094	301.2	-.0786	-.2385	-.1505	.7007
Rep #3	2.786	.0633	-.0343	.9802	297.4	-.0502	-.2046	-.0590	.7004
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
20	Unk: GISC15-22271 30/12/2015 09:23:48 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.1938	<.0000	.7712	315.6	<.0000	<.0000	<.0000	.1895
Desv. Est.	1.224	.1417	.0089	.2856	9.7	.0200	.0134	.0719	.0519
% RSD	109.5	73.08	164.6	37.03	3.059	14.65	5.476	27.75	27.37
Rep #1	-.0944	.3262	.0048	.6329	325.0	-.1565	-.2329	-.3331	.2405
Rep #2	-.7867	.2109	-.0114	1.100	316.1	-.1359	-.2430	-.2552	.1911
Rep #3	-2.475	.0444	-.0097	.5810	305.7	-.1165	-.2595	-.1894	.1368
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
21	QC: QC 30/12/2015 09:32:13 CONC D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4289	.4285	.3984	.4126	.4380	.4175	.3925	.3974	.4505
Desv. Est.	.0041	.0032	.0012	.0026	.0032	.0023	.0014	.0022	.0017
% RSD	.9568	.7401	.2994	.6193	.7384	.5507	.3545	.5626	.3679
Rep #1	.4253	.4307	.3997	.4156	.4413	.4200	.3938	.3999	.4523
Rep #2	.4281	.4298	.3982	.4114	.4348	.4169	.3927	.3966	.4501
Rep #3	.4334	.4248	.3973	.4109	.4377	.4155	.3910	.3956	.4491
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
22	Unk: GISC15-22272 30/12/2015 09:34:47 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.083	<.0000	<.0000	<.0000	4.221	<.0000	<.0000	<.0000	<.0000
Desv. Est.	.135	.2297	.0100	.1419	.372	.0370	.0214	.2120	.0085
% RSD	6.465	752.0	18.96	2342.	8.802	52.28	9.135	60.28	.4855
Rep #1	2.029	-.2947	-.0459	.1486	3.947	-.0341	-.2151	-.1230	-1.742
Rep #2	2.236	.1221	-.0482	-.1304	4.644	-.0702	-.2297	-.5417	-1.751
Rep #3	1.984	.0810	-.0643	-.0364	4.072	-.1082	-.2572	-.3902	-1.759
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
23	Unk: GISC15-22275 30/12/2015 09:37:16 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.325	.1347	<.0000	.8924	331.3	<.0000	<.0000	<.0000	.3830

Desv. Est.	1.163	.2950	.0012	.5120	1.1	.0451	.0178	.0567	.0075	
% RSD	87.76	219.1	38.96	57.38	.3325	62.52	12.68	38.65	1.967	
Rep #1	2.628	.3419	-.0044	.3052	332.1	-.0264	-.1201	-.1544	.3908	
Rep #2	.3922	.2651	-.0019	1.245	330.1	-.1165	-.1497	-.0866	.3824	
Rep #3	.9548	-.2031	-.0033	1.127	331.7	-.0734	-.1521	-.1992	.3758	
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
24	Unk: GISC15-22276 30/12/2015 09:39:38 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	.4998	.1382	<.0000	.8886	344.8	<.0000	<.0000	<.0000	.6550	
Desv. Est.	.9540	.1001	.0086	.2227	2.3	.0406	.0100	.0658	.0063	
% RSD	190.9	72.45	50.74	25.07	.6750	38.11	4.272	25.43	.9555	
Rep #1	.8179	.2486	-.0193	1.055	346.4	-.0676	-.2376	-.2510	.6620	
Rep #2	-.5726	.1127	-.0075	.9749	342.1	-.1037	-.2408	-.1972	.6533	
Rep #3	1.254	.0533	-.0243	.6356	345.9	-.1487	-.2222	-.3281	.6498	
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
25	Unk: GISC15-22278 30/12/2015 09:42:05 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	.6938	.2320	<.0000	.7777	302.4	<.0000	<.0000	<.0000	.3699	
Desv. Est.	.0190	.3395	.0030	.1295	2.3	.0402	.0501	.0699	.0161	
% RSD	2.740	146.3	29.41	16.65	.7506	44.70	21.07	22.79	4.346	
Rep #1	.6788	-.1594	-.0103	.6427	304.3	-.0457	-.2906	-.2489	.3675	
Rep #2	.7152	.4093	-.0134	.7895	303.0	-.0998	-.2307	-.3844	.3871	
Rep #3	.6874	.4461	-.0073	.9008	299.8	-.1243	-.1912	-.2868	.3552	
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
26	Unk: GISC15-22282 30/12/2015 09:44:34 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	2.727	<.0000	<.0000	.0991	.8454	<.0000	<.0000	<.0000	<.0000	
Desv. Est.	1.171	.1801	.0064	.1401	.1923	.0284	.0236	.1154	.0027	
% RSD	42.96	293.4	8.485	141.4	22.75	66.92	8.694	64.73	.1831	
Rep #1	3.928	.0287	-.0754	.0195	.6262	-.0264	-.2780	-.0960	-1.503	
Rep #2	1.588	.0559	-.0687	.0169	.9857	-.0753	-.2450	-.1286	-1.498	
Rep #3	2.664	-.2687	-.0814	.2608	.9243	-.0258	-.2907	-.3101	-1.499	
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
27	Unk: GISC15-22283 30/12/2015 09:47:13 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	2.621	.1309	<.0000	.3931	361.0	.0397	<.0000	<.0000	.8455	
Desv. Est.	.765	.0904	.0154	.3582	1.7	.0268	.0371	.0617	.0128	

% RSD	29.20	69.02	153.4	91.12	.4702	67.44	18.17	114.9	1.518
Rep #1	3.085	.0282	.0033	.7638	362.2	.0290	-.2095	-.0200	.8331
Rep #2	3.040	.1980	-.0065	.3668	359.0	.0702	-.2386	-.1249	.8446
Rep #3	1.738	.1666	-.0268	.0488	361.6	.0200	-.1649	-.0162	.8587
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
28	Unk: GISC15-22284 30/12/2015 09:49:33 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.577	.0169	<.0000	.4864	254.9	<.0000	<.0000	<.0000	.7786
Desv. Est.	.652	.1415	.0077	.1137	4.3	.0256	.0121	.0460	.0250
% RSD	41.37	835.4	35.98	23.38	1.671	24.07	5.810	25.45	3.216
Rep #1	.8906	.0601	-.0268	.5198	250.1	-.1301	-.2147	-.1385	.7873
Rep #2	1.652	.1318	-.0126	.5797	256.2	-.1101	-.1940	-.2296	.7504
Rep #3	2.189	-.1411	-.0249	.3597	258.4	-.0792	-.2152	-.1735	.7982
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
29	Unk: GISC15-22286 30/12/2015 09:52:12 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.8834	<.0000	<.0000	.4566	361.9	<.0000	<.0000	<.0000	1.755
Desv. Est.	.5270	.0654	.0034	.0648	2.8	.0299	.0229	.0254	.027
% RSD	59.65	260.5	51.79	14.18	.7694	31.99	10.66	18.01	1.562
Rep #1	1.066	-.0635	-.0030	.5216	364.6	-.0824	-.2397	-.1439	1.776
Rep #2	.2895	.0504	-.0070	.4560	361.9	-.1275	-.2083	-.1650	1.766
Rep #3	1.295	-.0623	-.0098	.3921	359.1	-.0708	-.1952	-.1144	1.724
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
30	Unk: GISC15-22287 30/12/2015 09:54:41 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.071	.1681	<.0000	.4700	445.6	<.0000	<.0000	<.0000	16.60
Desv. Est.	1.228	.0652	.0076	.4344	1.0	.0371	.0515	.0386	.18
% RSD	114.6	38.81	727.3	92.42	.2316	35.99	21.88	18.26	1.091
Rep #1	1.492	.1150	-.0070	.1907	445.9	-.0605	-.2478	-.2319	16.71
Rep #2	-.3116	.2409	-.0036	.2488	446.4	-.1198	-.2794	-.2349	16.71
Rep #3	2.033	.1484	.0075	.9705	444.4	-.1288	-.1788	-.1666	16.40
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
31	Unk: GISC15-22288 30/12/2015 09:57:11 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.024	<.0000	<.0000	<.0000	1.765	<.0000	<.0000	<.0000	2.264
Desv. Est.	.615	.1826	.0061	.2092	.153	.0482	.0229	.1294	.009
% RSD	30.38	80.98	9.216	292.9	8.679	30.34	16.34	39.54	.3911

Rep #1	1.316	-.4163	-.0722	.1348	1.753	-.1957	-.1438	-.1823	2.257
Rep #2	2.330	-.0523	-.0662	-.0656	1.618	-.1043	-.1608	-.3685	2.261
Rep #3	2.426	-.2079	-.0600	-.2834	1.923	-.1764	-.1155	-.4309	2.274
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
32	QC: QC 30/12/2015 10:06:08 CONC D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.3939	.4306	.3971	.4118	.4428	.4185	.3894	.3960	.4526
Desv. Est.	.0142	.0016	.0001	.0070	.0017	.0039	.0005	.0007	.0003
% RSD	3.604	.3742	.0347	1.697	.3928	.9286	.1391	.1664	.0743
Rep #1	.4070	.4308	.3971	.4142	.4438	.4228	.3892	.3962	.4528
Rep #2	.3957	.4289	.3972	.4172	.4408	.4176	.3891	.3953	.4528
Rep #3	.3788	.4321	.3969	.4039	.4439	.4152	.3901	.3966	.4523
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
33	Unk: GISC15-22292 30/12/2015 10:08:58 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	282.2	1.454	<.0000	3.792	329.0	22.67	.6664	.1452	105.4
Desv. Est.	4.9	.215	.0119	.149	5.2	.06	.0230	.1549	.4
% RSD	1.744	14.78	74.98	3.939	1.576	.2824	3.446	106.7	.3929
Rep #1	277.3	1.441	-.0038	3.631	323.8	22.63	.6665	.3058	105.6
Rep #2	282.2	1.674	-.0163	3.927	334.2	22.75	.6434	-.0034	105.7
Rep #3	287.2	1.245	-.0276	3.818	329.0	22.65	.6893	.1332	104.9
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
34	Unk: GISC15-22293 30/12/2015 10:11:29 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.285	.2712	<.0000	.6491	415.8	<.0000	<.0000	<.0000	.9829
Desv. Est.	1.846	.1284	.0042	.1914	.5	.0389	.0109	.0779	.0279
% RSD	80.81	47.33	41.08	29.49	.1175	45.67	4.980	22.08	2.842
Rep #1	.2638	.2488	-.0101	.8272	415.7	-.0605	-.2275	-.3626	.9861
Rep #2	3.883	.1555	-.0060	.6733	416.4	-.0650	-.2071	-.4250	1.009
Rep #3	2.707	.4093	-.0143	.4466	415.4	-.1301	-.2240	-.2703	.9535
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
35	Unk: GISC15-22295 30/12/2015 10:14:12 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	180.4	1.259	.0021	3.860	256.9	24.19	.0023	.2218	111.7
Desv. Est.	1.5	.249	.0068	.482	5.3	.46	.0593	.1502	.2
% RSD	.8280	19.74	328.8	12.49	2.079	1.904	2557.	67.71	.1802
Rep #1	182.0	1.015	.0033	4.145	263.0	24.69	.0223	.3584	111.9

Rep #2	179.1	1.249	-.0053	3.303	254.2	23.78	.0490	.0610	111.5
Rep #3	180.0	1.512	.0081	4.131	253.4	24.12	-.0644	.2461	111.7
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
36	Unk: GISC15-22296 30/12/2015 10:16:42 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.9769	.1942	<.0000	.7410	368.4	<.0000	<.0000	<.0000	1.782
Desv. Est.	.2123	.2459	.0096	.3865	4.0	.0351	.0424	.0695	.018
% RSD	21.73	126.6	55.86	52.16	1.076	43.61	15.31	27.12	1.036
Rep #1	1.113	.2477	-.0099	.8862	373.0	-.0811	-.2653	-.2172	1.763
Rep #2	1.085	-.0740	-.0137	1.034	365.7	-.1153	-.3240	-.3367	1.782
Rep #3	.7323	.4090	-.0281	.3029	366.7	-.0451	-.2416	-.2154	1.800
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
37	Unk: GISC15-22296-R 30/12/2015 10:19:26 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.615	.1520	<.0000	.6026	349.7	<.0000	<.0000	<.0000	1.709
Desv. Est.	1.854	.0981	.0087	.1643	2.7	.0464	.0198	.1768	.020
% RSD	114.8	64.53	58.91	27.26	.7809	51.44	7.552	65.03	1.171
Rep #1	-.5127	.2468	-.0072	.5549	346.6	-.0605	-.2598	-.1225	1.691
Rep #2	2.884	.1581	-.0127	.7855	350.9	-.1436	-.2839	-.2261	1.705
Rep #3	2.474	.0510	-.0242	.4675	351.6	-.0663	-.2445	-.4671	1.730
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
38	Unk: GISC15-22297 30/12/2015 10:22:00 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	9.641	.2468	<.0000	.3634	35.24	.6486	<.0000	.1652	73.38
Desv. Est.	2.612	.2051	.0062	.1263	.31	.0184	.0349	.1591	.02
% RSD	27.10	83.10	7.902	34.76	.8750	2.838	14.02	96.33	.0339
Rep #1	12.65	.0615	-.0712	.3318	34.89	.6645	-.2103	.0618	73.38
Rep #2	7.943	.2117	-.0831	.5025	35.48	.6529	-.2593	.0853	73.40
Rep #3	8.330	.4671	-.0798	.2559	35.35	.6285	-.2780	.3483	73.35
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
39	Unk: GISC15-22298 30/12/2015 10:24:28 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.957	.2745	.7067	1.863	131.7	1.619	<.0000	<.0000	47.11
Desv. Est.	1.096	.0992	.0126	.455	2.2	.054	.0114	.1286	.30
% RSD	37.08	36.12	1.783	24.44	1.676	3.341	5.100	39.92	.6413
Rep #1	3.825	.3302	.7176	1.807	134.1	1.618	-.2356	-.4474	47.22
Rep #2	3.321	.1601	.6929	1.439	131.0	1.674	-.2146	-.3284	47.34

Rep #3	1.725	.3333	.7097	2.344	129.9	1.565	-.2176	-.1905	46.77
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
40	Unk: GISC15-22299 30/12/2015 10:27:40 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.858	.0974	<.0000	2.095	25.48	.4477	<.0000	<.0000	13.67
Desv. Est.	.799	.0553	.0119	.210	.18	.0283	.0409	.1759	.06
% RSD	42.98	56.76	24.92	10.05	.7184	6.325	14.36	57.52	.4207
Rep #1	2.478	.0596	-.0349	2.274	25.56	.4546	-.2818	-.4791	13.72
Rep #2	.9569	.0718	-.0584	1.863	25.62	.4720	-.2454	-.1274	13.69
Rep #3	2.140	.1609	-.0498	2.147	25.28	.4166	-.3270	-.3112	13.61
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
41	Unk: GISC15-22300 30/12/2015 10:30:02 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	6.565	.3565	<.0000	.8869	10.40	.3202	<.0000	<.0000	16.05
Desv. Est.	.984	.2761	.0025	.1281	.14	.0526	.0035	.1176	.05
% RSD	14.99	77.45	4.522	14.44	1.326	16.42	1.482	59.10	.3203
Rep #1	5.943	.4227	-.0546	.9261	10.52	.3393	-.2356	-.2393	16.01
Rep #2	7.699	.5934	-.0550	.9909	10.25	.2608	-.2306	-.0665	16.03
Rep #3	6.052	.0533	-.0592	.7438	10.41	.3606	-.2373	-.2911	16.11
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
42	Unk: GISC15-22301 30/12/2015 10:32:24 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.379	<.0000	<.0000	1.259	209.3	<.0000	<.0000	<.0000	1.091
Desv. Est.	.505	.0734	.0064	.208	1.6	.0266	.0150	.2279	.013
% RSD	36.62	76.39	14.67	16.51	.7590	22.54	4.846	121.7	1.183
Rep #1	1.017	-.0809	-.0423	1.327	211.2	-.1236	-.2949	-.2023	1.085
Rep #2	1.956	-.1760	-.0507	1.026	208.6	-.0889	-.3111	.0479	1.106
Rep #3	1.164	-.0315	-.0381	1.425	208.3	-.1410	-.3250	-.4071	1.082
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
43	QC: QC 30/12/2015 10:37:49 CONC D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4212	.4041	.3733	.4040	.4386	.4117	.3664	.3733	.4275
Desv. Est.	.0072	.0412	.0386	.0040	.0014	.0020	.0374	.0388	.0489
% RSD	1.704	10.19	10.33	.9934	.3134	.4798	10.20	10.40	11.45
Rep #1	.4276	.3566	.3288	.4085	.4376	.4106	.3233	.3285	.3710
Rep #2	.4226	.4261	.3964	.4008	.4401	.4139	.3892	.3949	.4569
Rep #3	.4134	.4297	.3947	.4028	.4379	.4104	.3868	.3964	.4546

Valor									
Intervalo									
48	Unk: GISC15-22307 30/12/2015 10:55:14 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.098	.0814	<.0000	.9792	324.2	<.0000	<.0000	<.0000	1.002
Desv. Est.	.983	.1929	.0140	.2032	2.6	.0200	.0166	.2174	.009
% RSD	46.84	237.1	95.89	20.75	.7940	34.67	6.787	81.96	.9404
Rep #1	1.706	-.1400	-.0045	.8041	327.1	-.0670	-.2577	-.4852	1.007
Rep #2	3.216	.1703	-.0087	.9314	323.2	-.0715	-.2262	-.2600	1.007
Rep #3	1.372	.2137	-.0307	1.202	322.2	-.0348	-.2510	-.0505	.9907
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
49	Unk: GISC15-22309 30/12/2015 10:57:43 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.468	.2212	.0025	.2094	487.1	<.0000	<.0000	<.0000	2.331
Desv. Est.	.737	.4574	.0075	.4335	3.9	.0467	.0264	.1124	.018
% RSD	29.86	206.8	299.8	207.0	.8013	32.01	11.99	55.20	.7550
Rep #1	3.310	.5058	.0098	.3686	490.6	-.1829	-.2424	-.0944	2.348
Rep #2	1.941	-.3064	.0029	.5407	487.8	-.1610	-.1909	-.3188	2.330
Rep #3	2.153	.4644	-.0052	-.2812	482.9	-.0934	-.2263	-.1975	2.313
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
50	Unk: GISC15-22311 30/12/2015 11:00:09 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.720	.1830	<.0000	.6522	32.98	.4355	<.0000	<.0000	36.87
Desv. Est.	1.517	.0760	.0037	.5336	.21	.0282	.0571	.0929	.22
% RSD	55.77	41.53	8.552	81.82	.6483	6.469	20.85	100.3	.5831
Rep #1	4.471	.2257	-.0401	1.105	32.76	.4108	-.2763	-.1520	37.07
Rep #2	1.853	.2280	-.0433	.0639	33.18	.4295	-.2157	.0145	36.89
Rep #3	1.835	.0953	-.0476	.7877	32.99	.4662	-.3299	-.1404	36.64
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
51	Unk: GISC15-22314 30/12/2015 11:02:37 CONC x100 D MP- 151230: SANGRE,UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.762	.0206	<.0000	.2716	.9677	<.0000	<.0000	<.0000	<.0000
Desv. Est.	.825	.2123	.0016	.1775	.2113	.0365	.0285	.0182	.0208
% RSD	46.84	1033.	2.760	65.37	21.84	34.34	9.584	5.895	3.830
Rep #1	.8777	-.1871	-.0590	.4702	1.162	-.1410	-.2918	-.2902	-.5218
Rep #2	2.512	.2371	-.0560	.1282	.9977	-.0683	-.2727	-.3109	-.5449
Rep #3	1.896	.0116	-.0584	.2164	.7430	-.1095	-.3288	-.3265	-.5633
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									

Intervalo										
52	Unk: GISC15-22315 30/12/2015 11:05:45 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.798	.1169	<.0000	.5430	410.0	<.0000	<.0000	<.0000	.0943	
Desv. Est.	.175	.0874	.0061	.1273	5.8	.0559	.0234	.0703	.0404	
% RSD	9.765	74.76	63.44	23.45	1.419	66.63	10.03	50.29	42.85	
Rep #1	1.774	.1481	-.0084	.5105	416.6	-.0580	-.2340	-.0719	.1366	
Rep #2	1.984	.1843	-.0163	.4351	408.2	-.1481	-.2093	-.1352	.0900	
Rep #3	1.635	.0182	-.0042	.6835	405.4	-.0457	-.2560	-.2123	.0562	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
53	Unk: GISC15-22316 30/12/2015 11:08:01 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.991	.0872	<.0000	.2039	2.160	<.0000	<.0000	<.0000	<.0000	
Desv. Est.	.653	.1829	.0133	.2262	.109	.0195	.0147	.0893	.0129	
% RSD	32.79	209.8	18.12	111.0	5.060	22.15	5.524	21.95	.6694	
Rep #1	2.014	-.1234	-.0585	.2648	2.204	-.0985	-.2689	-.4649	-1.939	
Rep #2	2.632	.1789	-.0840	.3934	2.241	-.1004	-.2784	-.3039	-1.915	
Rep #3	1.327	.2060	-.0778	-.0466	2.036	-.0657	-.2496	-.4514	-1.937	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
54	QC: QC 30/12/2015 11:10:08 CONC D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.3898	.4277	.3924	.4004	.4330	.4079	.3849	.3922	.4536	
Desv. Est.	.0167	.0027	.0014	.0057	.0062	.0022	.0016	.0014	.0003	
% RSD	4.273	.6228	.3509	1.414	1.421	.5320	.4270	.3495	.0640	
Rep #1	.3773	.4300	.3940	.3966	.4260	.4090	.3867	.3938	.4537	
Rep #2	.3834	.4285	.3920	.4069	.4372	.4094	.3845	.3912	.4537	
Rep #3	.4087	.4248	.3913	.3977	.4359	.4054	.3834	.3917	.4532	
Comprobació	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	
Valor										
Intervalo										
55	Unk: GISC15-22317 30/12/2015 11:15:44 CONC x100 D MP- 151230: SANGRE,UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	149.5	2.232	<.0000	4.983	156.9	13.20	<.0000	.5120	138.4	
Desv. Est.	3.6	.194	.0091	.140	3.4	.18	.0103	.1233	.9	
% RSD	2.381	8.679	44.89	2.813	2.144	1.351	15.67	24.08	.6594	
Rep #1	147.3	2.403	-.0117	5.044	157.2	13.30	-.0734	.3909	139.5	
Rep #2	153.6	2.022	-.0297	4.823	160.1	13.30	-.0691	.5075	138.2	
Rep #3	147.7	2.271	-.0192	5.083	153.4	12.99	-.0539	.6374	137.7	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										

1	Cal: Blanco 04/01/2016 11:16:02 IR D Hg- 160104: SANGRE,UÑA (UNAM):
	Hg1942
Unidades	Cts/s
Media	-1.811
Desv. Est.	1.042
% RSD	57.54
Rep #1	-2.670
Rep #2	-2.113
Rep #3	-.6516
2	Cal: STD 1 04/01/2016 11:18:21 IR D Hg- 160104: SANGRE,UÑA (UNAM):
	Hg1942
Unidades	Cts/s
Media	57.96
Desv. Est.	1.81
% RSD	3.121
Rep #1	60.04
Rep #2	57.05
Rep #3	56.78
3	Cal: STD 2 04/01/2016 11:19:32 IR D Hg- 160104: SANGRE,UÑA (UNAM):
	Hg1942
Unidades	Cts/s
Media	181.0
Desv. Est.	11.4
% RSD	6.290
Rep #1	168.7
Rep #2	183.1
Rep #3	191.1
4	Cal: STD 3 04/01/2016 11:20:55 IR D Hg- 160104: SANGRE,UÑA (UNAM):
	Hg1942
Unidades	Cts/s
Media	307.3
Desv. Est.	18.6
% RSD	6.063
Rep #1	286.1
Rep #2	314.7
Rep #3	321.0
5	Cal: STD 4 04/01/2016 11:22:41 IR D Hg- 160104: SANGRE,UÑA (UNAM):
	Hg1942
Unidades	Cts/s
Media	662.9
Desv. Est.	5.1
% RSD	.7675
Rep #1	663.2
Rep #2	657.7
Rep #3	667.8
6	QC: QC 04/01/2016 11:23:58 CONC D Hg- 160104: SANGRE,UÑA (UNAM):
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0046
Desv. Est.	.0004

% RSD	7.978
Rep #1	.0042
Rep #2	.0047
Rep #3	.0049
Comprobación	Pasa Comp
Valor	
Intervalo	
7	Unk: BLANCO 04/01/2016 11:25:19 CONC D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0001
Desv. Est.	.0001
% RSD	80.29
Rep #1	-.0000
Rep #2	-.0001
Rep #3	-.0002
8	Unk: RECUPERACION 04/01/2016 11:26:47 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.4951
Desv. Est.	.0139
% RSD	2.803
Rep #1	.4797
Rep #2	.4988
Rep #3	.5067
9	Blanco: REACTIVO 04/01/2016 11:27:46 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0266
Desv. Est.	.0029
% RSD	11.05
Rep #1	-.0282
Rep #2	-.0283
Rep #3	-.0232
10	Unk: GISC15-22258 04/01/2016 11:29:36 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0234
Desv. Est.	.0014
% RSD	5.841
Rep #1	-.0244
Rep #2	-.0218
Rep #3	-.0239
11	Unk: GISC15-22258-R 04/01/2016 11:30:54 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0242

Desv. Est.	.0023
% RSD	9.511
Rep #1	-.0218
Rep #2	-.0246
Rep #3	-.0263
12	Unk: GISC15-22259 04/01/2016 11:31:58 CONC x100 D.H. 160104: CANCER UÑA (UNAM) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0009
Desv. Est.	.0028
% RSD	292.4
Rep #1	.0021
Rep #2	-.0033
Rep #3	-.0016
13	Unk: GISC15-22263 04/01/2016 11:33:22 CONC x100 D.H. 160104: CANCER UÑA (UNAM) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0186
Desv. Est.	.0034
% RSD	18.36
Rep #1	-.0155
Rep #2	-.0179
Rep #3	-.0222
14	Unk: GISC15-22268 04/01/2016 11:35:04 CONC x100 D.H. 160104: CANCER UÑA (UNAM) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0008
Desv. Est.	.0014
% RSD	177.6
Rep #1	-.0008
Rep #2	.0016
Rep #3	.0017
15	Unk: GISC15-22270 04/01/2016 11:36:19 CONC x100 D.H. 160104: CANCER UÑA (UNAM) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0019
Desv. Est.	.0006
% RSD	33.59
Rep #1	-.0018
Rep #2	-.0026
Rep #3	-.0013
16	Unk: GISC15-22271 04/01/2016 11:37:46 CONC x100 D.H. 160104: CANCER UÑA (UNAM) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0055
Desv. Est.	.0019
% RSD	33.75

Rep #1	-0036
Rep #2	-0073
Rep #3	-0056
17	QC: QC 04/01/2016 11:40:07 CONC D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0050
Desv. Est.	.0002
% RSD	4.062
Rep #1	.0053
Rep #2	.0049
Rep #3	.0049
Comprobación	Pasa Comp
Valor	
Intervalo	
18	Unk: GISC15-22272 04/01/2016 11:41:26 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0052
Desv. Est.	.0012
% RSD	23.85
Rep #1	-0047
Rep #2	-0066
Rep #3	-0042
19	Unk: GISC15-22275 04/01/2016 11:42:43 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0034
Desv. Est.	.0022
% RSD	65.92
Rep #1	-0058
Rep #2	-0014
Rep #3	-0029
20	Unk: GISC15-22276 04/01/2016 11:44:33 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0026
Desv. Est.	.0008
% RSD	32.13
Rep #1	-0016
Rep #2	-0030
Rep #3	-0032
21	Unk: GISC15-22278 04/01/2016 11:45:58 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0040
Desv. Est.	.0021

% RSD	52.57
Rep #1	-.0062
Rep #2	-.0038
Rep #3	-.0020
22	Unk: GISC15-22282 04/01/2016 11:46:59 CONC x100 D.H. 160104: CANCER UÑA (UNIA) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0011
Desv. Est.	.0028
% RSD	256.8
Rep #1	-.0043
Rep #2	-.0001
Rep #3	.0010
23	Unk: GISC15-22283 04/01/2016 11:47:20 CONC x100 D.H. 160104: CANCER UÑA (UNIA) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0040
Desv. Est.	.0018
% RSD	45.27
Rep #1	-.0025
Rep #2	-.0035
Rep #3	-.0060
24	Unk: GISC15-22284 04/01/2016 11:48:50 CONC x100 D.H. 160104: CANCER UÑA (UNIA) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0013
Desv. Est.	.0018
% RSD	134.5
Rep #1	-.0012
Rep #2	-.0032
Rep #3	.0004
25	Unk: GISC15-22286 04/01/2016 11:50:16 CONC x100 D.H. 160104: CANCER UÑA (UNIA) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0051
Desv. Est.	.0041
% RSD	80.45
Rep #1	-.0020
Rep #2	-.0098
Rep #3	-.0036
26	Unk: GISC15-22287 04/01/2016 11:51:47 CONC x100 D.H. 160104: CANCER UÑA (UNIA) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0041
Desv. Est.	.0035
% RSD	84.49
Rep #1	-.0033

Rep #2	-0011
Rep #3	-0079
27	Unk: GISC15-22288 04/01/2016 11:53:00 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0048
Desv. Est.	.0020
% RSD	40.91
Rep #1	-0031
Rep #2	-0069
Rep #3	-0044
28	QC: QC 04/01/2016 11:55:28 CONC D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0052
Desv. Est.	.0001
% RSD	1.131
Rep #1	.0052
Rep #2	.0053
Rep #3	.0052
Comprobación	Pasa Comp
Valor	
Intervalo	
29	Unk: GISC15-22292 04/01/2016 11:56:30 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0265
Desv. Est.	.0028
% RSD	10.58
Rep #1	-0239
Rep #2	-0260
Rep #3	-0295
30	Unk: GISC15-22293 04/01/2016 11:58:07 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0023
Desv. Est.	.0003
% RSD	12.24
Rep #1	-0020
Rep #2	-0026
Rep #3	-0025
31	Unk: GISC15-22295 04/01/2016 11:59:25 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0205
Desv. Est.	.0016
% RSD	7.746

Rep #1	-0.222
Rep #2	-0.204
Rep #3	-0.190
32	Unk: GISC15-22296 04/01/2016 12:00:46 CONC x100 DUE 160104: CANCER UÑA (UNAM) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0.0045
Desv. Est.	.0006
% RSD	14.00
Rep #1	-0.0044
Rep #2	-0.0040
Rep #3	-0.0052
33	Unk: GISC15-22296-R 04/01/2016 12:02:05 CONC x100 DUE 160104: CANCER UÑA (UNAM) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0.0031
Desv. Est.	.0020
% RSD	66.62
Rep #1	-0.0040
Rep #2	-0.0045
Rep #3	-0.0007
34	Unk: GISC15-22297 04/01/2016 12:04:47 CONC x100 DUE 160104: CANCER UÑA (UNAM) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0.0047
Desv. Est.	.0013
% RSD	27.15
Rep #1	-0.0034
Rep #2	-0.0059
Rep #3	-0.0049
35	Unk: GISC15-22298 04/01/2016 12:06:10 CONC x100 DUE 160104: CANCER UÑA (UNAM) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0.0079
Desv. Est.	.0007
% RSD	8.677
Rep #1	-0.0073
Rep #2	-0.0079
Rep #3	-0.0086
36	Unk: GISC15-22299 04/01/2016 12:07:30 CONC x100 DUE 160104: CANCER UÑA (UNAM) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0.0052
Desv. Est.	.0033
% RSD	64.16
Rep #1	-0.0013
Rep #2	-0.0069

Rep #3	-0072
37	Unk: GISC15-22300 04/01/2016 12:08:44 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0091
Desv. Est.	.0008
% RSD	8.798
Rep #1	-0089
Rep #2	-0101
Rep #3	-0085
38	Unk: GISC15-22301 04/01/2016 12:09:57 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0033
Desv. Est.	.0013
% RSD	38.53
Rep #1	-0047
Rep #2	-0031
Rep #3	-0022
39	QC: QC 04/01/2016 12:10:30 CONC D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0051
Desv. Est.	.0001
% RSD	1.870
Rep #1	.0050
Rep #2	.0050
Rep #3	.0052
Comprobación	Pasa Comp
Valor	
Intervalo	
40	Unk: GISC15-22303 04/01/2016 12:11:38 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0083
Desv. Est.	.0007
% RSD	8.772
Rep #1	-0075
Rep #2	-0084
Rep #3	-0090
41	Unk: GISC15-22304 04/01/2016 12:13:16 CONC x100 D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0205
Desv. Est.	.0037
% RSD	17.99
Rep #1	-0164

Rep #2	-0217
Rep #3	-0235
42	Unk: GISC15-22305 04/01/2016 12:14:34 CONC x100 SUE-100104- CANOBE UÑA (UNAMA) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0078
Desv. Est.	.0019
% RSD	23.98
Rep #1	-0097
Rep #2	-0060
Rep #3	-0078
43	Unk: GISC15-22306 04/01/2016 12:15:54 CONC x100 SUE-100104- CANOBE UÑA (UNAMA) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0182
Desv. Est.	.0020
% RSD	11.12
Rep #1	-0185
Rep #2	-0160
Rep #3	-0200
44	Unk: GISC15-22307 04/01/2016 12:17:16 CONC x100 SUE-100104- CANOBE UÑA (UNAMA) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0072
Desv. Est.	.0032
% RSD	44.38
Rep #1	-0062
Rep #2	-0107
Rep #3	-0046
45	Unk: GISC15-22309 04/01/2016 12:18:38 CONC x100 SUE-100104- CANOBE UÑA (UNAMA) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0097
Desv. Est.	.0010
% RSD	10.22
Rep #1	-0103
Rep #2	-0101
Rep #3	-0085
46	Unk: GISC15-22311 04/01/2016 12:19:58 CONC x100 SUE-100104- CANOBE UÑA (UNAMA) Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0081
Desv. Est.	.0015
% RSD	18.62
Rep #1	-0071
Rep #2	-0074
Rep #3	-0099

47	Unk: GISC15-22314 04/01/2016 12:21:24 CONC x100 D.Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0001
Desv. Est.	.0005
% RSD	415.8
Rep #1	-.0007
Rep #2	.0000
Rep #3	.0003
48	Unk: GISC15-22315 04/01/2016 12:22:43 CONC x100 D.Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0048
Desv. Est.	.0023
% RSD	46.94
Rep #1	-.0030
Rep #2	-.0042
Rep #3	-.0073
49	Unk: GISC15-22316 04/01/2016 12:24:47 CONC x100 D.Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0246
Desv. Est.	.0009
% RSD	3.807
Rep #1	-.0237
Rep #2	-.0244
Rep #3	-.0256
50	QC: QC 04/01/2016 12:25:51 CONC D Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0051
Desv. Est.	.0000
% RSD	.6064
Rep #1	.0051
Rep #2	.0051
Rep #3	.0051
Comprobación	Pasa Comp
Valor	
Intervalo	
51	Unk: GISC15-22317 04/01/2016 12:30:06 CONC x100 D.Hg- 160104: SANGRE,UÑA (UNAM): Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0257
Desv. Est.	.0034
% RSD	13.36
Rep #1	-.0255
Rep #2	-.0224

Rep #3	-0292
52	QC: QC 04/01/2016 12:36:12 CONC D Hg- 160104: SANGRE,UÑA (UNAM):
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0053
Desv. Est.	.0000
% RSD	.5532
Rep #1	.0053
Rep #2	.0053
Rep #3	.0053
Comprobación	Pasa Comp
Valor	
Intervalo	

CONTENIDO

MUESTRAS BIOLÓGICAS

(Uña /Garra, Sangre/L)

- 1.1 Informes de resultados de prueba**
- 1.2 Curva de calibración**
- 1.3 Evaluación de muestras de control de calidad**
- 1.4 Datos crudos de lote analítico**



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.
EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO.
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



Número de acreditación No. SA-159-005/11
Vigencia de acreditación a partir de 2011-05-10
"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

INFORME DE RESULTADOS DE PRUEBA

DATOS DE LA MUESTRA

Matriz: MB (Uña/Garra-Sangre-L)
Fecha de Recepción: 2015-11-15

INTERESADO

Nombre : Laboratorio Nacional de las Ciencias de la Sostenibilidad; Instituto de Ecología-UNAM
Dirección: Av. Universidad No. 3000, Col. UNAM, CU, Del. Coyoacán, Distrito Federal, CP 04510

DATOS DEL ANÁLISIS

Método: Determinación de metales y metaloides en agua y alimentos por Espectrometría de Emisión de Plasma de Acoplamiento Inductivo (ICP-OES)
Referencia: EPA 6010C-2007
Resultados: Ver hoja excell2015/11/05 (3)
Fecha de Analisis de Metales y Mercurio: 2016-01-05 2016-01-06
Fecha de Realización del Informe: 2016-01-07

IDENTIFICACIÓN CLIENTE

L-F0107/15/01070
L-F0108/15/01071
L-F0108/15/01079
L-F0108/15/01080
L-F0109/15/01083
L-F0111/15/01102
L-F0111/15/01103
L-F0112/15/01119
L-F0112/15/01120
L-F0113/15/01122
L-F0113/15/01123
L-F0113/15/01124
L-F0113/15/01126
L-F0113/15/01127
L-F0114/15/01133
L-F0114/15/01135
L-F0114/15/01139
L-F0115/15/01142

CLAVE DE IDENTIFICACIÓN

GISC15-22319
GISC15-22320
GISC15-22321
GISC15-22322
GISC15-22324
GISC15-22327
GISC15-22328
GISC15-22329
GISC15-22330
GISC15-22332
GISC15-22333
GISC15-22334
GISC15-22336
GISC15-22337
GISC15-22339
GISC15-22341
GISC15-22343
GISC15-22344



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.
EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx

Número de acreditación No. SA-159-005/11
Vigencia de acreditación a partir de 2011-05-10
"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

IDENTIFICACIÓN CLIENTE

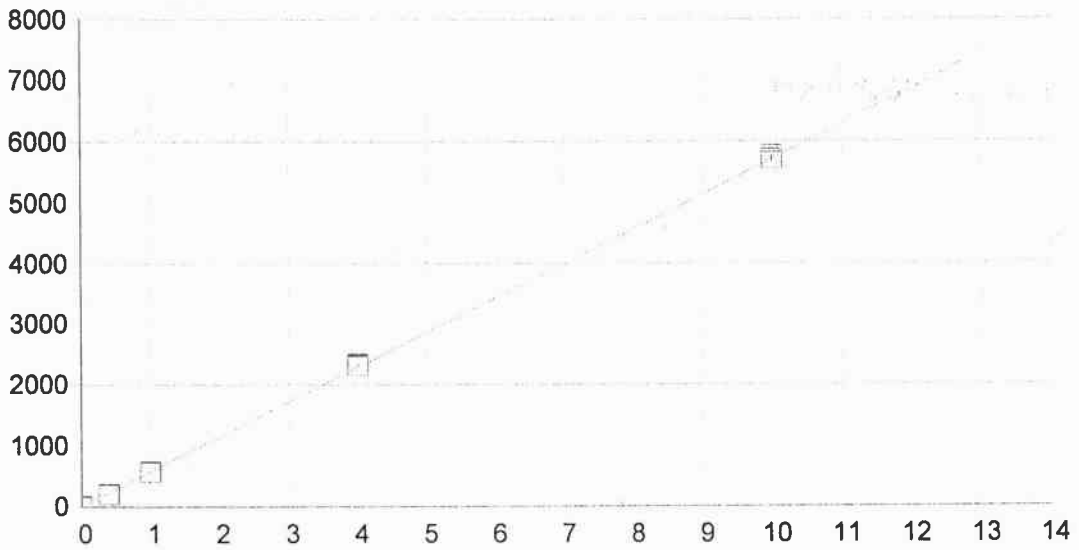
- L-F0115/15/01144
- L-F0115/15/01146
- L-F0115/15/01147
- L-F0115/15/01149
- L-F0115/15/01150
- L-F0116/15/01152
- L-F0116/15/01156
- L-F0116/15/01158
- L-F0116/15/01159
- L-F0116/15/01161
- L-F0117/15/01165
- L-F0117/15/01167
- L-F0117/15/01168
- L-F0117/15/01170
- L-F0118/15/01171
- L-F0118/15/01173
- L-F0118/15/01174
- L-F0118/15/01176
- L-F0118/15/01180
- L-F0119/15/01185
- L-F0119/15/01188
- L-F0120/15/01192
- L-F0120/15/01193

CLAVE DE IDENTIFICACIÓN

- GISC15-22346
- GISC15-22348
- GISC15-22349
- GISC15-22351
- GISC15-22352
- GISC15-22354
- GISC15-22355
- GISC15-22357
- GISC15-22358
- GISC15-22360
- GISC15-22361
- GISC15-22363
- GISC15-22364
- GISC15-22366
- GISC15-22367
- GISC15-22369
- GISC15-22370
- GISC15-22372
- GISC15-22373
- GISC15-22376
- GISC15-22379
- GISC15-22383
- GISC15-22384

REVISÓ

Q.F.B. Leticia Velázquez Méndez
Gerente Técnico

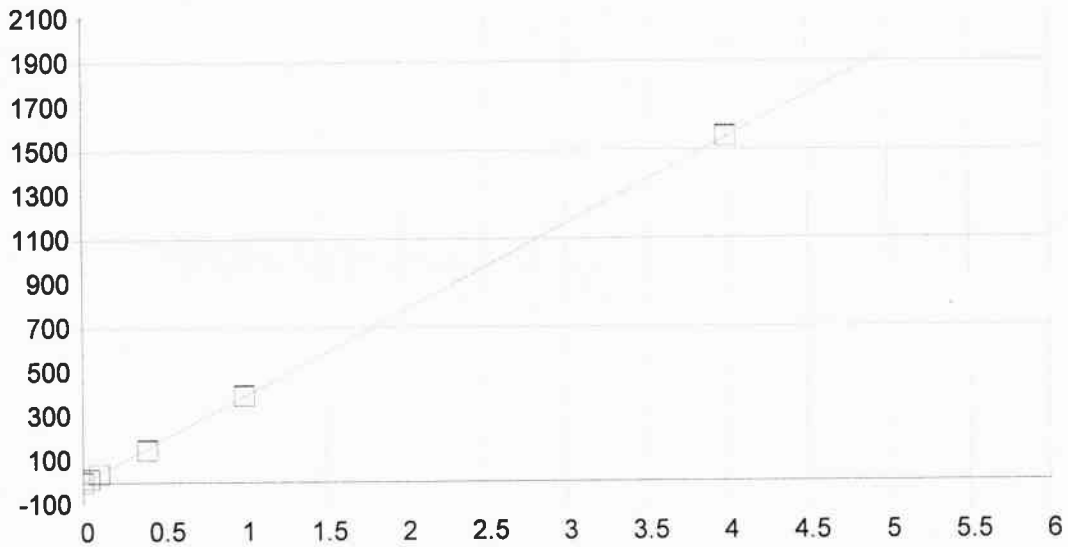


AI 396.152 { 85}

Fecha de la 05/01/2016 10:59:02 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 6.226672 Reajustar P 1.000000
 A1 (Ganancia) 570.213851 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999705 Estatus: OK.
 Error Estándar de Est: 1.403066
 MDL: 0.014576
 MQL: 0.048587

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00006	.000	.000	6.2583	4.75	1
STD 5	.40000	.34316	-.057	-14.2	201.90	5.02	1
STD 6	1.0000	.98764	-.012	-1.24	569.39	4.13	1
STD 7	4.0000	4.0582	.058	1.45	2320.3	18.8	1
STD 8	10.000	10.011	.011	.110	5714.6	54.0	1

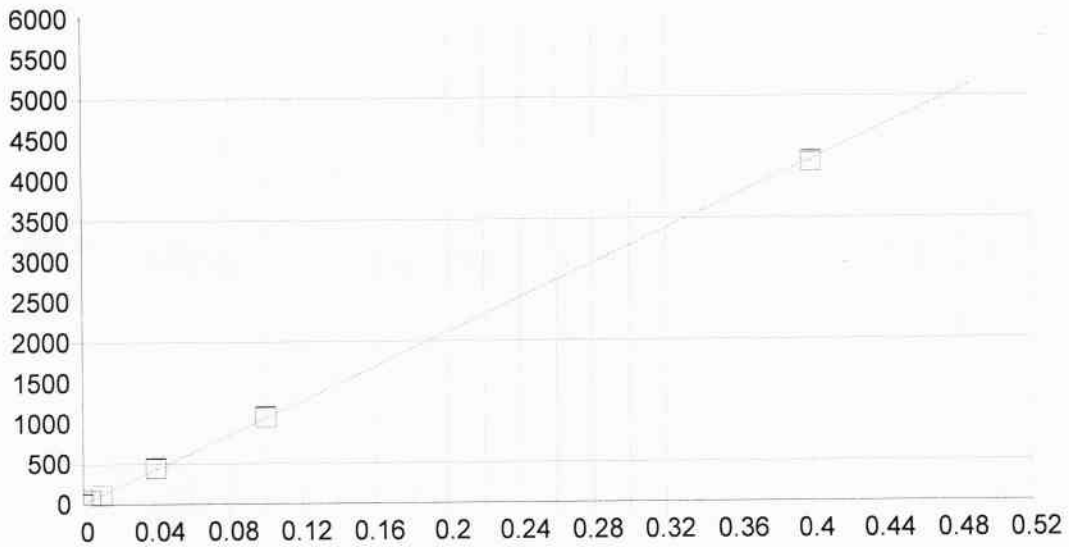


As 189.042 (478)

Fecha de la 05/01/2016 10:59:02 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 0.360640 Reajustar P 1.000000
 A1 (Ganancia) 388.627201 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999851 Estatus: OK.
 Error Estándar de Est: 0.122020
 MDL: 0.002242
 MQL: 0.007474

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	.36219	.827	1
STD 4	.10000	.09624	-.004	-3.76	37.761	.617	1
STD 5	.40000	.37710	-.023	-5.73	146.91	1.46	1
STD 6	1.0000	1.0101	.010	1.01	392.93	2.49	1
STD 7	4.0000	4.0173	.017	.432	1561.6	3.12	1
STD 3	.04000	.03924	-.001	-1.90	15.610	.665	1

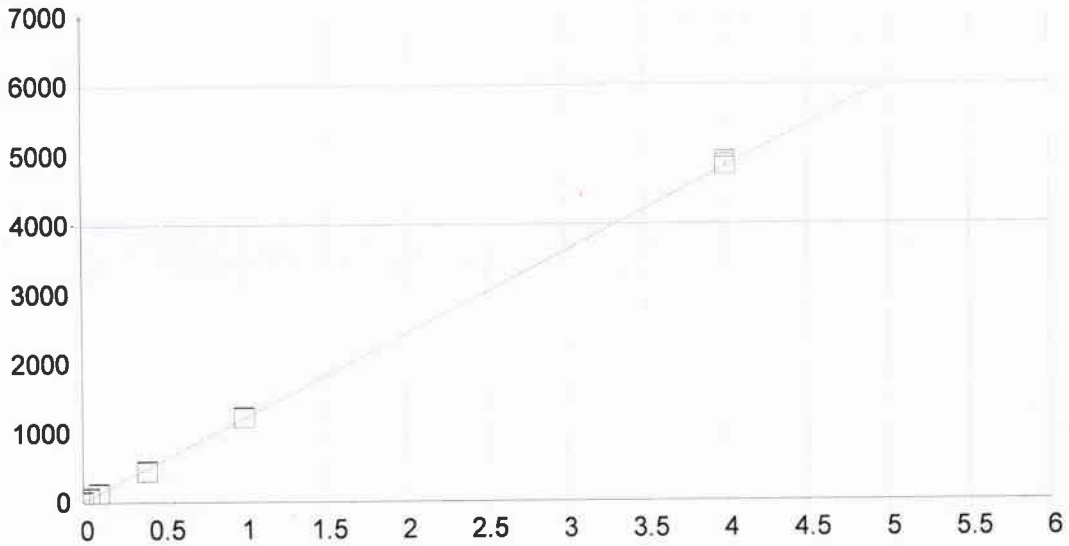


Cd 226.502 {449}

Fecha de la 05/01/2016 10:59:02 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 6.158526 Reajustar P 1.000000
 A1 (Ganancia) 10539.53743 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999901 Estatus: OK.
 Error Estándar de Est: 0.269516
 MDL: 0.000132
 MQL: 0.000441

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	6.1575	2.43	1
STD 1	.00400	.00390	-.000	-2.59	47.223	.694	1
STD 2	.01000	.01004	.000	.429	112.01	.558	1
STD 3	.04000	.04154	.002	3.86	444.01	3.28	1
STD 4	.10000	.10154	.002	1.54	1076.4	3.00	1
STD 5	.40000	.39697	-.003	-.757	4190.1	14.1	1

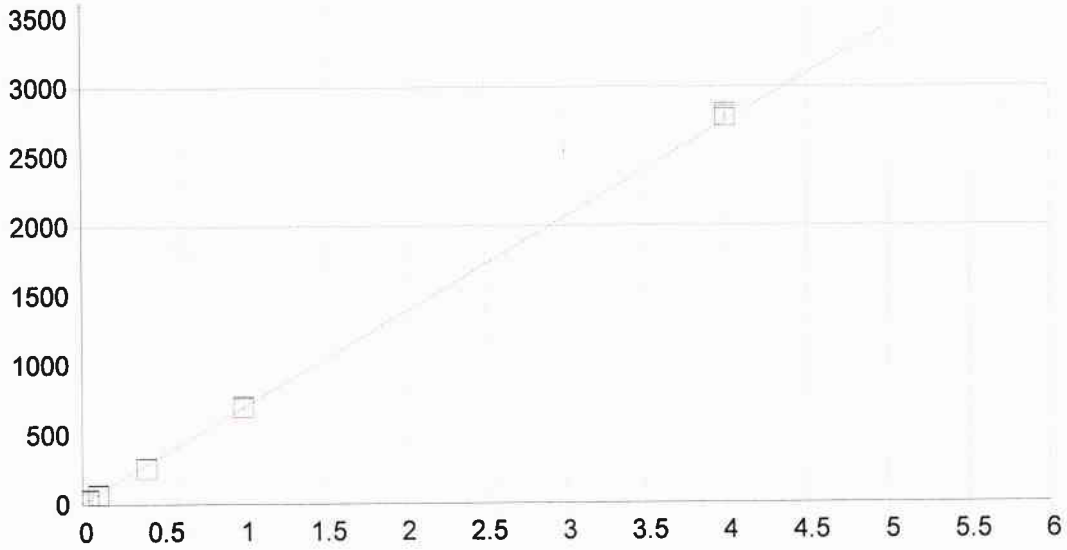


Cu 324.754 {104}

Fecha de la 05/01/2016 10:59:02 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 9.236561 Reajustar P 1.000000
 A1 (Ganancia) 1203.012481 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999670 Estatus: OK.
 Error Estándar de Est: 0.563291
 MDL: 0.003835
 MQL: 0.012783

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	9.2394	2.49	1
STD 5	.40000	.36505	-.035	-8.74	448.39	4.00	1
STD 6	1.0000	1.0121	.012	1.21	1226.8	5.82	1
STD 7	4.0000	4.0251	.025	.627	4851.5	47.1	1
STD 3	.04000	.04214	.002	5.35	59.932	3.07	1
STD 4	.10000	.09567	-.004	-4.33	124.33	5.26	1

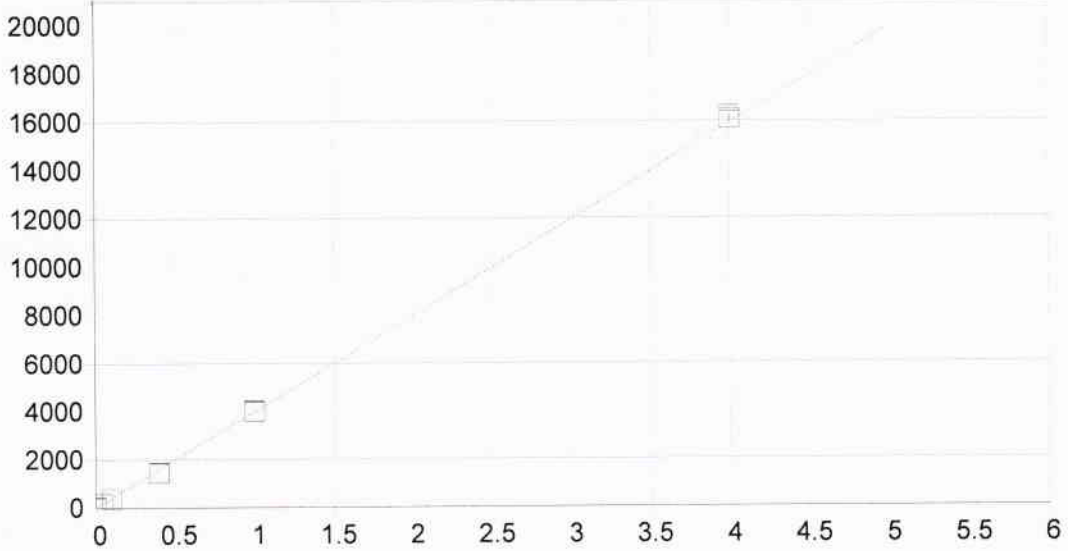


Fe 259.940 (130)

Fecha de la 05/01/2016 10:59:02 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 9.120144 Reajustar P 1.000000
 A1 (Ganancia) 684.809827 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999367 Estatus: OK.
 Error Estándar de Est: 0.444055
 MDL: 0.003336
 MQL: 0.011120

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00001	.000	.000	9.1300	.662	1
STD 5	.40000	.36311	-.037	-9.22	257.78	1.93	1
STD 6	1.0000	1.0012	.001	.125	694.78	7.56	1
STD 3	.04000	.03444	-.006	-13.9	32.703	1.26	1
STD 4	.10000	.08563	-.014	-14.4	67.763	2.76	1
STD 7	4.0000	4.0556	.056	1.39	2786.4	20.8	1

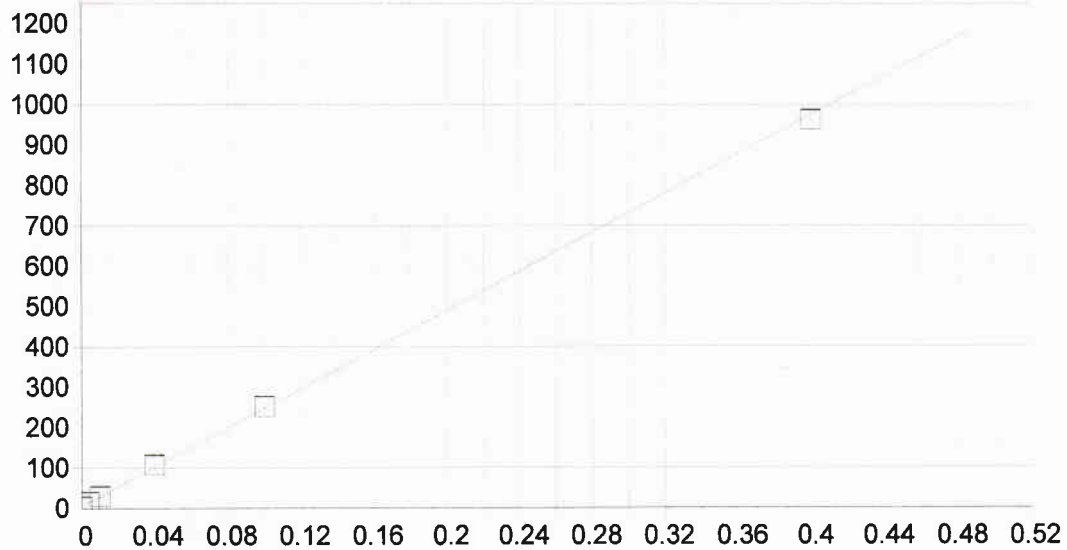


Mn 257.610 {131}

Fecha de la 05/01/2016 10:59:02 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 5.219842 Reajustar P 1.000000
 A1 (Ganancia) 3979.470481 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999591 Estatus: OK.
 Error Estándar de Est: 2.074168
 MDL: 0.000609
 MQL: 0.002030

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00001	.000	.000	5.2500	2.95	1
STD 5	.40000	.36229	-.038	-9.43	1446.9	2.18	1
STD 6	1.0000	1.0043	.004	.431	4001.9	17.1	1
STD 3	.04000	.03828	-.002	-4.30	157.55	1.82	1
STD 4	.10000	.09331	-.007	-6.69	376.53	1.93	1
STD 7	4.0000	4.0418	.042	1.05	16090.	120.	1

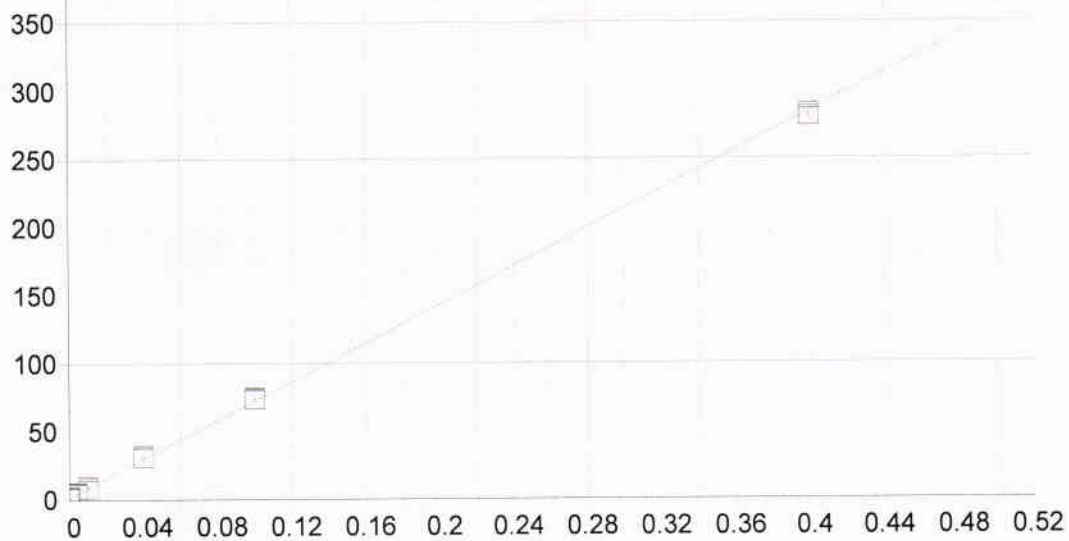


Ni 231.604 (446)

Fecha de la 05/01/2016 10:59:02 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 4.621803 Reajustar P 1.000000
 A1 (Ganancia) 2425.352642 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999702 Estatus: OK.
 Error Estándar de Est: 0.107972
 MDL: 0.000516
 MQL: 0.001721

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	4.6194	.573	1
STD 1	.00400	.00461	.001	15.2	15.795	.544	1
STD 2	.01000	.01038	.000	3.79	29.795	.987	1
STD 3	.04000	.04226	.002	5.65	107.11	1.79	1
STD 4	.10000	.10181	.002	1.81	251.55	.233	1
STD 5	.40000	.39495	-.005	-1.26	962.50	1.15	1

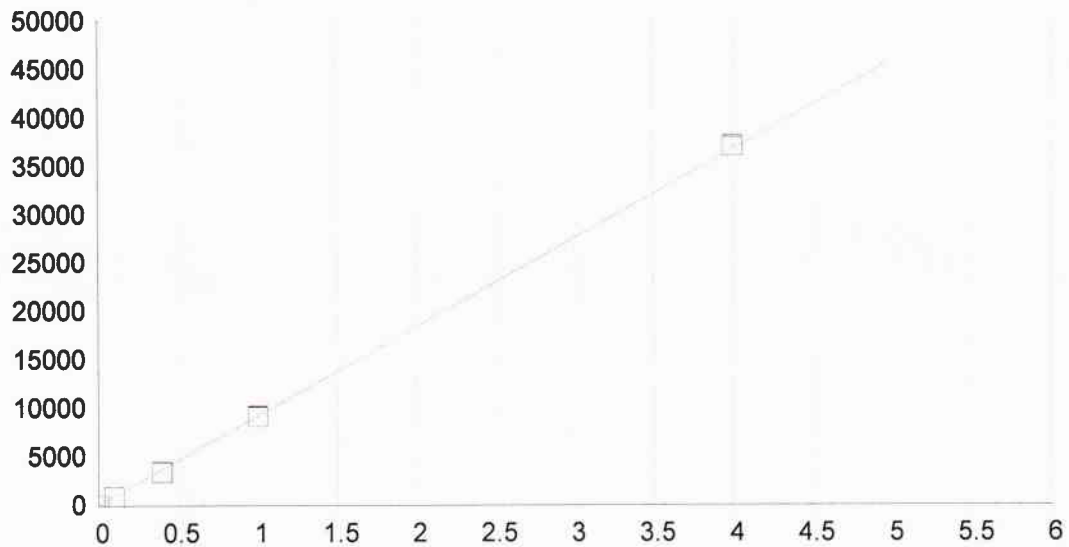


Pb 220.353 {453}

Fecha de la 05/01/2016 10:59:02 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 1.567367 Reajustar P 1.000000
 A1 (Ganancia) 707.036911 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999693 Estatus: OK.
 Error Estándar de Est: 0.031896
 MDL: 0.001667
 MQL: 0.005557

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	1.5668	.489	1
STD 1	.00400	.00456	.001	14.0	4.7929	.215	1
STD 2	.01000	.00981	-.000	-1.87	8.5058	1.50	1
STD 3	.04000	.04229	.002	5.72	31.466	.947	1
STD 4	.10000	.10246	.002	2.46	74.013	.723	1
STD 5	.40000	.39487	-.005	-1.28	280.76	2.11	1

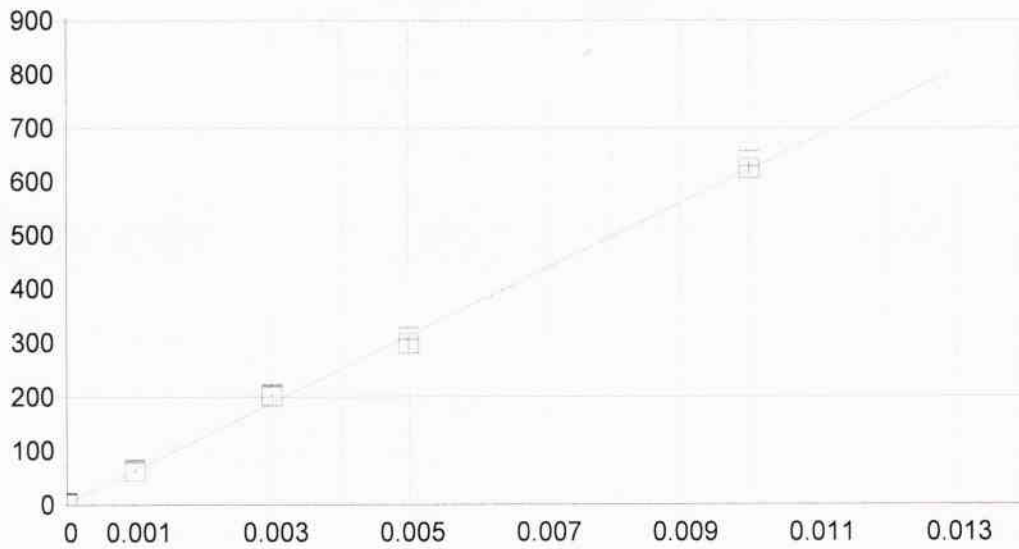


Zn 213.856 {458}

Fecha de la 05/01/2016 10:59:02 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 36.387721 Reajustar P 1.000000
 A1 (Ganancia) 9180.891027 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999735 Estatus: OK.
 Error Estándar de Est: 6.400071
 MDL: 0.000123
 MQL: 0.000410

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00001	.000	.000	36.508	2.52	1
STD 4	.10000	.09358	-.006	-6.42	895.57	.710	1
STD 5	.40000	.37103	-.029	-7.24	3442.8	9.08	1
STD 6	1.0000	.99584	-.004	-.416	9179.0	54.2	1
STD 7	4.0000	4.0395	.040	.989	37123.	111.	1



Hg 194.227 {474}

Fecha de la 06/01/2016 08:41:53 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 2.248215 Reajustar P 1.000000
 A1 (Ganancia) 61996.28383 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999281 Estatus: OK.
 Error Estándar de Est: 0.418183
 MDL: 0.000024
 MQL: 0.000079

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	2.2477	1.13	1
STD 1	.00100	.00098	-.000	-2.37	62.777	2.59	1
STD 2	.00300	.00322	.000	7.39	201.98	1.84	1
STD 3	.00500	.00477	-.000	-4.54	298.14	10.8	1
STD 4	.01000	.01003	.000	.292	624.02	13.8	1



Análisis: **METALES PESADOS POR ICP-OES**
 Lote analítico: **DMP-UÑA/GARRA-SANGRE-L-160105**
 Fecha de Análisis: **05/01/2016**
 Fecha de Reporte: **05/01/2016**

CONCENTRACIONES DE LAS CURVAS DE CALIBRACION.

DESCRIPCIÓN	CONCENTRACION mg/L									
	Al	As	Cd	Cu	Fe	Mn	Ni	Pb	Zn	Hg
NIVEL 1			0.004				0.004	0.004		0.0010
NIVEL 2			0.010				0.010	0.010		0.0030
NIVEL 3		0.040	0.040	0.040	0.040	0.040	0.040	0.040		0.0050
NIVEL 4		0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0100
NIVEL 5	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	
NIVEL 6	1.000	1.000		1.000	1.000	1.000			1.000	
NIVEL 7	4.000	4.000		4.000	4.000	4.000			4.000	
NIVEL 8	10.000									
NIVEL 9										
Correlación	0.9997	0.9998	0.9999	0.9996	0.9994	0.9996	0.9997	0.9997	0.9997	0.9993

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
10	QC:QC-Medio	Aluminio	0.4000	0.3687	92	32	QC:QC	Aluminio	0.4000	0.4253	106
		Arsénico	0.4000	0.3891	97			Arsénico	0.4000	0.4171	104
		Cadmio	0.4000	0.4202	105			Cadmio	0.4000	0.4479	112
		Cobre	0.4000	0.3854	96			Cobre	0.4000	0.4172	104
		Fierro	0.4000	0.3788	95			Fierro	0.4000	0.4065	102
		Manganeso	0.4000	0.3850	96			Manganeso	0.4000	0.4237	106
		Níquel	0.4000	0.4186	105			Níquel	0.4000	0.4477	112
		Plomo	0.4000	0.4149	104			Plomo	0.4000	0.4390	110
		Zinc	0.4000	0.3955	99			Zinc	0.4000	0.4251	106
21	QC:QC	Aluminio	0.4000	0.4292	107	43	QC:QC	Aluminio	0.4000	0.4192	105
		Arsénico	0.4000	0.4249	106			Arsénico	0.4000	0.4071	102
		Cadmio	0.4000	0.4512	113			Cadmio	0.4000	0.4398	110
		Cobre	0.4000	0.4226	106			Cobre	0.4000	0.4064	102
		Fierro	0.4000	0.4074	102			Fierro	0.4000	0.3940	99
		Manganeso	0.4000	0.4282	107			Manganeso	0.4000	0.4142	104
		Níquel	0.4000	0.4519	113			Níquel	0.4000	0.4377	109
		Plomo	0.4000	0.4476	112			Plomo	0.4000	0.4281	107
		Zinc	0.4000	0.4259	106			Zinc	0.4000	0.4144	104

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
54	QC:QC	Aluminio	0.4000	0.3989	100	6	QC:QC	Mercurio	0.0050	0.0051	102
		Arsénico	0.4000	0.4012	100	17	QC:QC	Mercurio	0.0050	0.0046	92
		Cadmio	0.4000	0.4350	109	28	QC:QC	Mercurio	0.0050	0.0042	84
		Cobre	0.4000	0.3969	99	39	QC:QC	Mercurio	0.0050	0.0043	86
		Fierro	0.4000	0.3800	95	50	QC:QC	Mercurio	0.0050	0.0046	92
		Manganeso	0.4000	0.4057	101	57	QC:QC	Mercurio	0.0050	0.0047	94
		Níquel	0.4000	0.4320	108						
		Plomo	0.4000	0.4218	105						
		Zinc	0.4000	0.4068	102						
61	QC:QC	Aluminio	0.4000	0.3958	99						
		Arsénico	0.4000	0.3936	98						
		Cadmio	0.4000	0.4324	108						
		Cobre	0.4000	0.3901	98						
		Fierro	0.4000	0.3734	93						
		Manganeso	0.4000	0.4001	100						
		Níquel	0.4000	0.4299	107						
		Plomo	0.4000	0.4175	104						
		Zinc	0.4000	0.4021	101						

NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

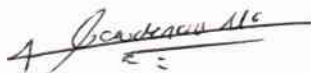
² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/Kg		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/Kg		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
11	Recuperación	Aluminio	40.0000	39.3100	98		Recuperación	Mercurio	0.5000	0.5054	101
		Arsénico	40.0000	40.5600	101						
		Cadmio	40.0000	43.1400	108						
		Cobre	40.0000	40.4100	101						
		Fierro	40.0000	39.4400	99						
		Manganeso	40.0000	40.5000	101						
		Níquel	40.0000	43.0100	108						
		Plomo	40.0000	42.3400	106						
		Zinc	40.0000	39.9800	100						

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)



I.B.I. Gaudencio Vargas Espejel

ELABORÓ

PACE/GIS/102-F01



Q.F.B. Leticia Velázquez Méndez

REVISÓ



Hoja de Trabajo (Preparación) -Metales y Metaloides-(2)

Clave	Matriz	Código	Fecha de Recepción	Peso de muestra (g)	
				Metales	Hg
GISC15-22319	Sangre		05/11/2015	0.5066	0.5160
GISC15-22320	L		05/11/2015	0.5032	0.5132
GISC15-22321	Orina		05/11/2015	0.5004	0.5188
GISC15-22322	Uña/Garra		05/11/2015	0.5037	0.5037
GISC15-22324	Sangre		05/11/2015	0.5032	0.5076
GISC15-22327	Sangre		05/11/2015	0.5067	0.5068
GISC15-22328	L		05/11/2015	0.5075	0.5110
GISC15-22329	Orina		05/11/2015	0.5032	0.5075
GISC15-22330	Uña/Garra		05/11/2015	0.5048	0.3048
GISC15-22332	Sangre		05/11/2015	0.5079	0.5052
GISC15-22333	L		05/11/2015	0.5044	0.5088
GISC15-22334	Uña/Garra		05/11/2015	0.5027	0.4099
GISC15-22336	Sangre		05/11/2015	0.5068	0.5063
GISC15-22337	L		05/11/2015	0.5071	0.5080
GISC15-22339	Sangre		05/11/2015	0.5040	0.5145
GISC15-22341	Sangre		05/11/2015	0.5068	0.5019
GISC15-22343	Sangre		05/11/2015	0.5008	0.5020
GISC15-22344	Sangre		05/11/2015	0.4976	0.5048
GISC15-22346	Uña/Garra		05/11/2015	0.5036	0.3036
GISC15-22348	Sangre		05/11/2015	0.5048	0.5137
GISC15-22349	Uña/Garra		05/11/2015	0.5014	0.5028
GISC15-22351	Sangre		05/11/2015	0.5204	0.5149
GISC15-22352	Uña/Garra		05/11/2015	0.5056	0.5090
GISC15-22354	Sangre		05/11/2015	0.5005	0.5052
GISC15-22355	Uña/Garra		05/11/2015	0.5264	0.5136
GISC15-22357	Sangre		05/11/2015	0.5053	0.5021
GISC15-22358	Uña/Garra		05/11/2015	0.5048	0.5048
GISC15-22360	Sangre		05/11/2015	0.4998	0.5025
GISC15-22361	Uña/Garra		05/11/2015	0.5195	0.5026
GISC15-22363	Sangre		05/11/2015	0.5035	0.5239
GISC15-22364	Uña/Garra		05/11/2015	0.4908	0.4908
GISC15-22366	Sangre		05/11/2015	0.5227	0.5134
GISC15-22367	Uña/Garra		05/11/2015	0.5201	0.5026
GISC15-22369	Sangre		05/11/2015	0.4952	0.5140
GISC15-22370	Uña/Garra		05/11/2015	0.4935	0.5079

I.B.I Gaudencio Vargas Espejel

Q.F.B. Leticia Velázquez Méndez



Residuos Tóxicos

Hoja de Trabajo (Preparación) -Metales y Metaloides-(2)

Clave	Matriz	Código	Fecha de Recepción	Peso de muestra (g)	
				Metales	Hg
GISC15-22372	Sangre		05/11/2015	0.4917	0.5055
GISC15-22373	Sangre		05/11/2015	0.5042	0.5042
GISC15-22376	Sangre		05/11/2015	0.5298	0.4379
GISC15-22379	Sangre		05/11/2015	0.5097	0.4507
GISC15-22383	Sangre		05/11/2015	0.4973	0.5158
GISC15-22384	Sangre		05/11/2015	0.4656	0.5093

I.B.I Gaudencio U.S.

I.B.I Gaudencio Vargas Espejel

Q.F.B. Leticia Velazquez Méndez

1	Cal: Blanco 05/01/2016 10:12:44 IR DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	
Media	6.258	.3622	6.157	9.239	9.130	5.250	4.619	1.567	36.51	
Desv. Est.	4.753	.8267	2.434	2.488	.662	2.950	.574	.489	2.52	
% RSD	75.95	228.3	39.53	26.92	7.250	56.19	12.41	31.22	6.894	
Rep #1	1.150	1.269	8.966	12.08	9.580	7.460	5.276	1.476	39.36	
Rep #2	10.55	-.3500	4.848	8.177	8.370	1.900	4.219	1.129	35.58	
Rep #3	7.075	.1678	4.658	7.459	9.440	6.390	4.363	2.095	34.58	
2	Cal: STD 1 05/01/2016 10:15:08 IR DMP- 160105: SANGRE, UÑA:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	47.22	15.79	4.793							
Desv. Est.	.69	.54	.215							
% RSD	1.470	3.443	4.494							
Rep #1	46.69	16.42	4.547							
Rep #2	46.97	15.49	4.949							
Rep #3	48.01	15.47	4.882							
3	Cal: STD 2 05/01/2016 10:17:33 IR DMP- 160105: SANGRE, UÑA:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	112.0	29.79	8.506							
Desv. Est.	.6	.99	1.499							
% RSD	.4980	3.312	17.62							
Rep #1	112.6	29.85	7.960							
Rep #2	112.0	28.78	10.20							
Rep #3	111.4	30.75	7.356							
4	Cal: STD 3 05/01/2016 10:19:59 IR DMP- 160105: SANGRE, UÑA:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203			
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	15.61	444.0	59.93	32.70	157.6	107.1	31.47			
Desv. Est.	.66	3.3	3.07	1.26	1.8	1.8	.95			
% RSD	4.259	.7389	5.120	3.864	1.153	1.669	3.010			
Rep #1	15.87	447.7	63.40	32.59	156.3	109.2	30.75			
Rep #2	16.10	442.7	57.55	31.50	156.7	106.4	31.11			
Rep #3	14.85	441.5	58.85	34.02	159.6	105.8	32.54			
5	Cal: STD 4 05/01/2016 10:22:25 IR DMP- 160105: SANGRE, UÑA:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138		
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45		
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s		
Media	37.76	1076.	124.3	67.76	376.5	251.5	74.01	895.6		
Desv. Est.	.62	3.	5.3	2.76	1.9	.2	.72	.7		
% RSD	1.633	.2785	4.234	4.068	.5121	.0928	.9775	.0793		
Rep #1	38.20	1077.	118.3	68.66	375.5	251.4	74.60	895.8		
Rep #2	37.06	1079.	128.0	64.67	375.3	251.8	73.20	896.1		
Rep #3	38.03	1073.	126.6	69.96	378.8	251.5	74.24	894.8		
6	Cal: STD 5 05/01/2016 10:24:50 IR DMP- 160105: SANGRE, UÑA:									

	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s
Media	201.9	146.9	4190.	448.4	257.8	1447.	962.5	280.8	3443.
Desv. Est.	5.0	1.5	14.	4.0	1.9	2.	1.2	2.1	9.
% RSD	2.484	.9950	.3372	.8920	.7477	.1506	.1196	.7499	.2638
Rep #1	200.6	148.3	4205.	446.1	259.7	1448.	963.3	279.9	3453.
Rep #2	207.4	145.4	4187.	453.0	257.9	1449.	961.2	283.1	3440.
Rep #3	197.6	147.0	4178.	446.1	255.8	1444.	963.0	279.2	3435.
7	Cal: STD 6 05/01/2016 10:27:14 IR DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cu3247	Fe2599	Mn2576	Zn2138			
Línea	396.152 { 85	189.042 {47	324.754 {10	259.940 {13	257.610 {13	213.856 {45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	569.4	392.9	1227.	694.8	4002.	9179.			
Desv. Est.	4.1	2.5	6.	7.6	17.	54.			
% RSD	.7251	.6337	.4743	1.088	.4283	.5905			
Rep #1	573.9	393.7	1233.	700.0	4019.	9197.			
Rep #2	565.7	394.9	1224.	698.2	3985.	9222.			
Rep #3	568.6	390.1	1222.	686.1	4001.	9118.			
8	Cal: STD 7 05/01/2016 10:29:36 IR DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cu3247	Fe2599	Mn2576	Zn2138			
Línea	396.152 { 85	189.042 {47	324.754 {10	259.940 {13	257.610 {13	213.856 {45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	2320.	1562.	4851.	2786.	16090.	37120.			
Desv. Est.	19.	3.	47.	21.	120.	111.			
% RSD	.8120	.2000	.9711	.7456	.7449	.2987			
Rep #1	2341.	1565.	4903.	2808.	16210.	37250.			
Rep #2	2314.	1561.	4842.	2784.	16090.	37090.			
Rep #3	2305.	1559.	4810.	2767.	15970.	37040.			
9	Cal: STD 8 05/01/2016 10:31:55 IR DMP- 160105: SANGRE, UÑA:								
	Al3961								
Línea	396.152 { 85								
Unidades	Cts/s								
Media	5715.								
Desv. Est.	54.								
% RSD	.9454								
Rep #1	5742.								
Rep #2	5750.								
Rep #3	5652.								
10	QC: QC-MEDIO 05/01/2016 10:34:17 CONC DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.3687	.3891	.4202	.3854	.3788	.3850	.4186	.4149	.3955
Desv. Est.	.0055	.0007	.0013	.0057	.0102	.0074	.0021	.0005	.0013
% RSD	1.504	.1854	.3199	1.478	2.698	1.921	.5127	.1264	.3170
Rep #1	.3750	.3894	.4211	.3918	.3904	.3935	.4207	.4145	.3965
Rep #2	.3659	.3883	.4187	.3809	.3748	.3801	.4164	.4155	.3941
Rep #3	.3650	.3896	.4209	.3834	.3712	.3814	.4187	.4148	.3961
Comprobación	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									

11	Unk: BLANCO 05/01/2016 10:36:39 CONC DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.0328	.0001	.0031	.0099	.0033	.0091	.0026	.0027	.0019	
Desv. Est.	.0039	.0028	.0023	.0131	.0174	.0131	.0023	.0021	.0021	
% RSD	11.75	3352.	72.48	132.0	521.5	143.6	87.23	78.32	115.1	
Rep #1	.0304	.0012	.0016	.0030	-.0065	.0009	.0009	.0003	.0003	
Rep #2	.0308	-.0031	.0020	.0017	-.0069	.0022	.0017	.0034	.0010	
Rep #3	.0372	.0021	.0057	.0249	.0234	.0242	.0053	.0044	.0043	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
12	Unk: RECUPERACION 05/01/2016 10:39:03 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	39.31	40.56	43.14	40.41	39.44	40.50	43.01	42.34	39.98	
Desv. Est.	.80	.04	.07	.56	.46	.12	.04	.26	.08	
% RSD	2.026	.0910	.1537	1.396	1.160	.2971	.0889	.6090	.2008	
Rep #1	39.72	40.52	43.22	40.66	39.84	40.44	43.05	42.05	40.07	
Rep #2	39.82	40.59	43.12	40.80	39.54	40.64	42.99	42.44	39.97	
Rep #3	38.39	40.57	43.09	39.76	38.94	40.43	42.98	42.53	39.91	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
13	Blanco: REACTIVO 05/01/2016 10:41:01 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.751	-.1359	-.0982	.2361	7.185	-.0213	-.0609	.1090	.1171	
Desv. Est.	.440	.0886	.0023	.3577	.211	.0159	.0295	.1347	.0144	
% RSD	25.11	65.18	2.379	151.5	2.937	74.76	48.45	123.6	12.25	
Rep #1	1.604	-.0679	-.0967	-.0994	7.364	-.0387	-.0906	-.0466	.1320	
Rep #2	2.244	-.2360	-.0971	.1953	6.952	-.0176	-.0605	.1867	.1033	
Rep #3	1.403	-.1037	-.1009	.6125	7.238	-.0075	-.0316	.1868	.1161	
Comprobació										
Valor										
Intervalo										
14	Unk: GISC15-22319 05/01/2016 10:44:02 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.753	.2809	.0586	.1316	380.8	.0294	<.0000	<.0000	4.116	
Desv. Est.	.313	.1634	.0038	.0998	3.1	.0305	.0170	.0744	.036	
% RSD	11.38	58.17	6.495	75.85	.8188	103.9	75.39	160.3	.8785	
Rep #1	3.024	.3996	.0558	.1708	384.4	-.0008	-.0134	-.0987	4.155	
Rep #2	2.826	.0945	.0629	.0181	379.1	.0288	-.0421	.0388	4.110	
Rep #3	2.410	.3487	.0571	.2059	378.8	.0602	-.0121	-.0793	4.083	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
15	Unk: GISC15-22319-R 05/01/2016 10:46:28 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	

Media	2.299	.4312	.0166	.3397	450.0	<.0000	.0043	<.0000	2.577
Desv. Est.	1.254	.1853	.0123	.2597	14.5	.0519	.0366	.1736	.061
% RSD	54.56	42.98	74.34	76.46	3.228	138.1	849.3	158.1	2.359
Rep #1	.9735	.2246	.0298	.5894	465.6	-.0860	.0196	.0308	2.641
Rep #2	3.467	.4862	.0054	.0710	447.7	-.0441	.0308	-.0564	2.570
Rep #3	2.456	.5828	.0145	.3586	436.8	.0173	-.0375	-.3039	2.521
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
20	Unk: GIS15-22327 05/01/2016 10:58:29 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.372	.2612	.0174	<.0000	399.2	<.0000	<.0000	<.0000	2.207
Desv. Est.	.412	.1050	.0155	.1319	2.3	.0228	.0438	.0314	.016
% RSD	30.05	40.21	88.98	1690.	.5763	49.80	129.8	19.34	.7253
Rep #1	1.610	.3432	.0228	-.0385	401.5	-.0715	-.0707	-.1939	2.198
Rep #2	.8961	.1428	.0294	-.1217	399.4	-.0277	-.0450	-.1312	2.197
Rep #3	1.610	.2975	-.0001	.1368	396.9	-.0383	.0146	-.1618	2.225
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
21	QC: QC 05/01/2016 11:00:58 CONC DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4292	.4249	.4512	.4226	.4074	.4282	.4519	.4476	.4259
Desv. Est.	.0099	.0030	.0045	.0028	.0048	.0007	.0049	.0048	.0046
% RSD	2.302	.7056	.9881	.6701	1.187	.1653	1.076	1.069	1.082
Rep #1	.4178	.4280	.4555	.4209	.4129	.4288	.4561	.4513	.4303
Rep #2	4.357	.4247	.4516	.4259	.4052	.4283	.4530	.4492	.4263
Rep #3	4.340	.4220	.4466	.4211	.4041	.4274	.4466	.4422	.4211
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
22	Unk: GIS15-22328 05/01/2016 11:02:23 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.893	.2110	<.0000	.1767	<.0000	<.0000	.0017	<.0000	3.581
Desv. Est.	1.137	.1432	.0042	.0217	.3250	.0439	.0201	.1371	.044
% RSD	60.06	67.86	116.4	12.29	4.387	80.54	1188.	55.09	1.243
Rep #1	3.076	.1151	-.0050	.1636	-7.036	-.0262	.0141	-.0909	3.541
Rep #2	1.792	.1423	-.0068	.1647	-7.540	-.1051	.0125	-.3371	3.574
Rep #3	.8096	.3755	.0011	.2018	-7.643	-.0322	-.0215	-.3184	3.629
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
23	Unk: GIS15-22329 05/01/2016 11:04:39 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.669	.0939	.0072	<.0000	<.0000	<.0000	.0493	<.0000	.8634

Desv. Est.	.872	.0643	.0085	.2206	.2755	.0621	.0287	.0270	.0058
% RSD	52.26	68.55	117.9	90.53	4.213	116.8	58.30	78.31	.6743
Rep #1	.6650	.0991	.0012	-4.568	-6.223	-.0767	.0295	-.0383	.8661
Rep #2	2.239	.0271	.0169	-.0162	-6.674	-.1001	.0823	-.0058	.8567
Rep #3	2.103	.1554	.0034	-2.581	-6.722	.0173	.0361	-.0594	.8674
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
24	Unk: GISC15-22330 05/01/2016 11:06:57 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	62.07	1.076	.0557	3.909	60.07	4.769	.2350	.0891	94.52
Desv. Est.	1.00	.113	.0347	.149	.56	.088	.0085	.1241	5.24
% RSD	1.607	10.46	62.29	3.808	.9255	1.856	3.606	139.3	5.545
Rep #1	61.44	.9984	.0265	3.952	60.41	4.717	.2359	.2118	91.90
Rep #2	61.55	1.205	.0940	3.743	60.37	4.718	.2261	-.0364	91.10
Rep #3	63.22	1.025	.0466	4.031	59.42	4.871	.2430	.0920	100.6
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
25	Unk: GISC15-22332 05/01/2016 11:09:37 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.719	.3246	.0237	.6450	382.2	<.0000	.0386	.0017	4.187
Desv. Est.	.687	.1554	.0024	.2024	1.1	.0398	.0125	.1064	.023
% RSD	40.00	47.88	10.07	31.37	.2910	43.75	32.23	6238.	.5395
Rep #1	1.099	.3001	.0238	.6344	381.9	-.0672	.0529	-.0695	4.212
Rep #2	2.458	.1829	.0260	.8524	381.2	-.1368	.0331	-.0494	4.167
Rep #3	1.599	.4908	.0213	.4481	383.4	-.0687	.0299	.1240	4.181
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
26	Unk: GISC15-22333 05/01/2016 11:11:55 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.800	.0978	.0233	<.0000	<.0000	<.0000	<.0000	<.0000	2.172
Desv. Est.	.285	.2484	.0098	.1117	.4069	.0896	.0273	.1664	.019
% RSD	15.85	254.1	42.15	32.81	6.306	186.0	46.45	217.2	.8627
Rep #1	1.472	-.1888	.0231	-.4583	-6.827	.0532	-.0895	.1030	2.151
Rep #2	1.945	.2300	.0136	-.3268	-6.020	-.1167	-.0496	-.2255	2.188
Rep #3	1.985	.2520	.0333	-.2361	-6.510	-.0810	-.0373	-.1073	2.176
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
27	Unk: GISC15-22334 05/01/2016 11:14:13 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	76.68	1.049	.0028	5.536	69.15	5.454	.1171	.0663	115.2
Desv. Est.	.49	.106	.0180	.416	.28	.008	.0404	.0678	.2

% RSD	.6358	10.07	633.3	7.517	.4024	.1517	34.47	102.2	.1780
Rep #1	76.31	1.037	.0223	5.979	69.31	5.463	.0848	.1029	115.3
Rep #2	76.51	1.160	-.0004	5.477	69.30	5.450	.1623	-.0119	115.3
Rep #3	77.23	.9499	-.0133	5.153	68.83	5.448	.1042	.1080	115.0
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
28	Unk: GISC15-22336 05/01/2016 11:16:42 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.521	.1862	.0242	.2477	342.5	<.0000	.0461	<.0000	1.670
Desv. Est.	.603	.1150	.0121	.2005	2.1	.0467	.0493	.1456	.012
% RSD	39.62	61.75	50.16	80.95	.6237	153.5	107.0	61.71	.7453
Rep #1	1.336	.1223	.0256	.0926	344.5	-.0365	.0801	-.2975	1.678
Rep #2	1.033	.1174	.0114	.1765	342.8	-.0737	-.0105	-.0696	1.675
Rep #3	2.195	.3189	.0355	.4742	340.3	.0190	.0687	-.3405	1.655
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
29	Unk: GISC15-22337 05/01/2016 11:19:00 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.788	.0869	<.0000	<.0000	<.0000	.0058	.0201	<.0000	2.724
Desv. Est.	.313	.1537	.0115	.4165	.1129	.0219	.0276	.0797	.011
% RSD	11.23	176.9	1759.	140.9	1.703	378.4	137.0	77.16	.4028
Rep #1	2.458	-.0190	-.0137	.1511	-6.544	.0273	.0165	-.1364	2.736
Rep #2	2.826	.2632	.0079	-.3646	-6.757	-.0164	.0493	-.0124	2.721
Rep #3	3.081	.0165	.0038	-.6733	-6.586	.0064	-.0055	-.1612	2.714
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
30	Unk: GISC15-22339 05/01/2016 11:21:19 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.440	.3460	.0616	.6592	383.4	<.0000	<.0000	<.0000	2.256
Desv. Est.	1.297	.1085	.0093	.3846	3.1	.0395	.0365	.1490	.017
% RSD	90.08	31.37	15.14	58.34	.8121	80.37	64.10	2964.	.7650
Rep #1	1.603	.2986	.0644	1.016	386.6	-.0350	-.0148	.1343	2.266
Rep #2	.0687	.4702	.0693	.7103	380.3	-.0938	-.0776	.0128	2.236
Rep #3	2.647	.2692	.0512	.2516	383.2	-.0187	-.0786	-.1622	2.266
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
31	Unk: GISC15-22341 05/01/2016 11:23:37 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.2558	.3492	.0389	.5516	424.7	<.0000	<.0000	<.0000	2.714
Desv. Est.	1.089	.2494	.0105	.0736	5.1	.0059	.0133	.1648	.011
% RSD	425.7	71.44	26.89	13.35	1.199	8.617	24.20	193.8	.3880

Rep #1	1.248	.2175	.0510	.5943	430.6	-.0745	-.0417	.1013	2.725
Rep #2	.4282	.6368	.0325	.4666	422.1	-.0629	-.0552	-.2116	2.705
Rep #3	-.9090	.1932	.0333	.5940	421.5	-.0669	-.0684	-.1448	2.711
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
32	QC: QC 05/01/2016 11:28:16 CONC DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4253	.4171	.4479	.4172	.4065	.4237	.4477	.4390	.4251
Desv. Est.	.0107	.0030	.0017	.0024	.0015	.0014	.0009	.0021	.0017
% RSD	2.507	.7232	.3821	.5666	.3685	.3344	.2060	.4732	.3985
Rep #1	.4249	.4205	.4494	.4178	.4051	.4252	.4487	.4408	.4271
Rep #2	.4149	.4149	.4460	.4192	.4081	.4223	.4470	.4367	.4240
Rep #3	.4362	.4158	.4482	.4146	.4063	.4236	.4473	.4393	.4243
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
33	Unk: GISC15-22343 05/01/2016 11:31:04 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.435	.1956	.0275	.1306	414.9	<.0000	<.0000	<.0000	1.909
Desv. Est.	.610	.2936	.0060	.2681	4.8	.0280	.0357	.1645	.020
% RSD	42.47	150.1	22.00	205.3	1.169	49.81	96.75	115.0	1.066
Rep #1	2.050	.3713	.0322	-.1194	420.3	-.0860	-.0672	-.2892	1.931
Rep #2	.8316	-.1433	.0207	.0975	410.8	-.0521	-.0459	.0352	1.907
Rep #3	1.423	.3590	.0296	.4137	413.7	-.0305	.0025	-.1752	1.890
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
34	Unk: GISC15-22344 05/01/2016 11:33:20 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.007	.4806	.0262	.3685	349.7	<.0000	<.0000	<.0000	1.688
Desv. Est.	.213	.0319	.0091	.1740	2.9	.0489	.0267	.0967	.003
% RSD	10.60	6.640	34.80	47.21	.8397	53.10	79.32	46.27	.1591
Rep #1	2.252	.4910	.0286	.3684	351.4	-.0725	-.0185	-.2977	1.686
Rep #2	1.888	.4447	.0161	.5426	346.3	-.1478	-.0181	-.1059	1.691
Rep #3	1.879	.5059	.0338	.1946	351.4	-.0561	-.0645	-.2236	1.687
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
35	Unk: GISC15-22346 05/01/2016 11:37:05 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	397.4	1.859	.0981	5.942	307.8	63.79	.6591	1.468	34.93
Desv. Est.	9.9	.139	.0080	.126	6.7	1.07	.0085	.179	.07
% RSD	2.483	7.461	8.201	2.119	2.181	1.676	1.293	12.17	.2002
Rep #1	406.7	1.718	.0974	6.087	312.9	64.77	.6534	1.278	34.96

Rep #2	398.5	1.995	.1064	5.857	310.3	63.95	.6549	1.491	34.98
Rep #3	387.0	1.864	.0904	5.883	300.2	62.65	.6689	1.633	34.85
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
36	Unk: GISC15-22348 05/01/2016 11:38:50 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.2156	.0306	1.068	356.9	<.0000	<.0000	<.0000	2.756
Desv. Est.	1.098	.0467	.0029	.179	.4	.0452	.0738	.0810	.007
% RSD	182.0	21.65	9.328	16.79	.1062	71.64	85.99	55.05	.2613
Rep #1	-1.707	.2298	.0285	1.272	356.6	-.0488	-.1285	-.0579	2.765
Rep #2	-.5933	.2535	.0338	.9990	357.4	-.1137	-.0006	-.1674	2.752
Rep #3	.4896	.1634	.0293	.9336	356.8	-.0267	-.1285	-.2160	2.752
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
37	Unk: GISC15-22348-R 05/01/2016 11:41:35 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.8053	.1166	.0158	.8340	346.8	<.0000	<.0000	<.0000	2.685
Desv. Est.	.9475	.1748	.0029	.3400	2.7	.0092	.0273	.0534	.006
% RSD	117.7	149.9	18.42	40.77	.7720	20.09	64.21	214.5	.2150
Rep #1	-.2382	-.0573	.0135	.5029	349.8	-.0408	-.0145	-.0865	2.681
Rep #2	1.612	.2924	.0148	1.182	346.0	-.0561	-.0690	.0097	2.692
Rep #3	1.042	.1148	.0191	.8169	344.6	-.0398	-.0442	.0020	2.683
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
38	Unk: GISC15-22349 05/01/2016 11:43:54 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	73.90	.9370	.0220	4.976	71.47	5.683	.2307	<.0000	102.2
Desv. Est.	1.88	.0896	.0061	.333	.30	.082	.0159	.1484	.3
% RSD	2.542	9.559	27.59	6.698	.4167	1.451	6.912	259.0	.3055
Rep #1	76.04	.8442	.0150	4.969	71.79	5.630	.2438	-.2176	102.5
Rep #2	73.14	.9439	.0255	4.647	71.20	5.778	.2130	-.0294	102.1
Rep #3	72.52	1.023	.0255	5.313	71.42	5.642	.2354	.0752	101.9
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
39	Unk: GISC15-22351 05/01/2016 11:46:19 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	11.76	.4139	.0393	1.120	400.3	<.0000	.2146	<.0000	3.180
Desv. Est.	1.01	.2339	.0170	.232	2.8	.0088	.0326	.0959	.030
% RSD	8.607	56.51	43.29	20.70	.6935	30.53	15.21	83.20	.9359
Rep #1	12.66	.1709	.0584	1.201	399.5	-.0375	.2098	-.0124	3.153
Rep #2	10.67	.4333	.0339	.8585	398.0	-.0290	.1847	-.2022	3.212

Rep #3	11.94	.6374	.0257	1.300	403.4	-.0199	.2494	-.1312	3.176
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
40	Unk: GISC15-22352 05/01/2016 11:48:42 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	795.6	1.005	.0843	4.167	766.3	57.05	.4488	1.499	106.3
Desv. Est.	6.7	.198	.0067	.476	3.9	.58	.0680	.029	.2
% RSD	.8455	19.65	7.891	11.42	.5118	1.020	15.16	1.901	.2042
Rep #1	802.9	.9658	.0869	4.445	770.7	57.52	.4854	1.525	106.1
Rep #2	789.7	1.220	.0892	3.617	763.0	56.40	.4907	1.469	106.3
Rep #3	794.2	.8308	.0767	4.438	765.2	57.22	.3703	1.505	106.5
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
41	Unk: GISC15-22354 05/01/2016 11:51:07 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	5.780	.2744	.0472	.7149	362.5	.0125	.0022	<.0000	3.012
Desv. Est.	.861	.1229	.0075	.1647	.9	.0155	.0092	.1129	.025
% RSD	14.89	44.80	15.87	23.03	.2425	123.8	427.3	122.2	.8372
Rep #1	5.913	.3773	.0534	.9049	361.6	.0248	-.0084	-.1857	3.002
Rep #2	4.861	.1383	.0493	.6246	363.4	.0175	.0090	-.1246	2.993
Rep #3	6.566	.3078	.0389	.6151	362.6	-.0049	.0059	.0331	3.040
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
42	Unk: GISC15-22355 05/01/2016 11:53:27 CONC x100 DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	884.3	1.801	.1196	2.352	1109.	43.02	1.619	3.267	26.33
Desv. Est.	6.6	.105	.0059	.226	4.	.26	.037	.045	.05
% RSD	.7471	5.807	4.948	9.626	.3993	.5951	2.309	1.364	.2073
Rep #1	891.9	1.796	.1255	2.134	1113.	43.31	1.662	3.317	26.39
Rep #2	880.3	1.908	.1137	2.586	1109.	42.95	1.599	3.231	26.31
Rep #3	880.7	1.699	.1195	2.335	1104.	42.81	1.597	3.253	26.29
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
43	QC: QC 05/01/2016 11:55:33 CONC DMP- 160105: SANGRE, UÑA:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4192	.4071	.4398	.4064	.3940	.4142	.4377	.4281	.4144
Desv. Est.	.0040	.0016	.0009	.0054	.0020	.0026	.0008	.0012	.0006
% RSD	.9524	.4045	.2124	1.340	.4978	.6192	.1783	.2787	.1488
Rep #1	.4155	.4061	.4400	.4060	.3919	.4162	.4370	.4294	.4142
Rep #2	.4187	.4062	.4388	.4012	.3958	.4113	.4376	.4271	.4140
Rep #3	.4234	.4090	.4406	.4120	.3942	.4152	.4386	.4279	.4151

Valor										
Intervalo										
48	Unk: GISC15-22363 05/01/2016 12:07:28 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.9616	.3538	.0321	1.280	265.2	<.0000	<.0000	<.0000	1.776	
Desv. Est.	.8155	.0530	.0094	.293	2.5	.0181	.0221	.0527	.002	
% RSD	84.80	14.97	29.19	22.93	.9574	28.95	40.32	41.70	.1300	
Rep #1	.1476	.2926	.0222	1.318	262.3	-.0420	-.0374	-.1126	1.774	
Rep #2	1.779	.3850	.0333	1.553	267.0	-.0762	-.0473	-.1845	1.776	
Rep #3	.9587	.3838	.0408	.9695	266.3	-.0697	-.0796	-.0819	1.778	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
49	Unk: GISC15-22364 05/01/2016 12:09:45 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	608.3	.7530	.2953	.8585	4045.	26.29	.8932	.6029	67.24	
Desv. Est.	7.1	.1384	.0137	.1210	36.	.29	.0405	.1266	.05	
% RSD	1.174	18.38	4.636	14.09	.8791	1.113	4.539	20.99	.0789	
Rep #1	615.8	.5951	.3029	.7199	4077.	26.60	.9222	.7452	67.28	
Rep #2	607.5	.8535	.2795	.9426	4052.	26.26	.9106	.5603	67.18	
Rep #3	601.6	.8104	.3035	.9132	4006.	26.02	.8469	.5031	67.26	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
50	Unk: GISC15-22366 05/01/2016 12:12:04 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.3816	.0428	.8786	364.5	<.0000	<.0000	<.0000	2.210	
Desv. Est.	1.101	.1388	.0121	.2915	1.3	.0350	.0625	.1550	.036	
% RSD	223.5	36.37	28.36	33.18	.3493	44.66	84.62	103.6	1.647	
Rep #1	.7351	.4250	.0289	.8762	365.1	-.0996	-.0508	-.3224	2.236	
Rep #2	-1.391	.2263	.0481	.5883	365.3	-.0380	-.1446	-.1032	2.225	
Rep #3	-.8213	.4936	.0513	1.171	363.0	-.0978	-.0262	-.0230	2.168	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
51	Unk: GISC15-22367 05/01/2016 12:14:22 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	245.2	.7327	.0802	3.827	284.5	22.29	.2462	.6647	166.3	
Desv. Est.	2.8	.2203	.0078	.340	3.6	.19	.0121	.0423	1.0	
% RSD	1.151	30.06	9.781	8.885	1.255	.8555	4.918	6.366	.5930	
Rep #1	247.7	.5408	.0812	3.438	287.4	22.42	.2365	.6838	167.3	
Rep #2	245.9	.9733	.0876	3.978	285.5	22.37	.2598	.6162	166.4	
Rep #3	242.1	.6841	.0720	4.065	280.5	22.07	.2424	.6940	165.3	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										

Intervalo										
52	Unk: GISC15-22369 05/01/2016 12:16:43 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	<.0000	.3208	.0433	.6830	374.6	<.0000	<.0000	<.0000	2.444	
Desv. Est.	.4284	.1141	.0074	.0614	3.1	.0247	.0507	.0332	.011	
% RSD	115.4	35.57	17.19	8.992	.8378	46.07	61.34	19.42	.4342	
Rep #1	.0906	.1903	.0373	.6136	377.9	-.0317	-.0257	-.1348	2.451	
Rep #2	-.4487	.4018	.0517	.7304	374.4	-.0805	-.0994	-.1774	2.450	
Rep #3	-.7556	.3701	.0410	.7050	371.6	-.0488	-.1229	-.2001	2.432	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
53	Unk: GISC15-22370 05/01/2016 12:19:13 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	906.9	1.416	.2087	7.013	1432.	77.31	1.176	3.645	117.7	
Desv. Est.	8.3	.145	.0113	.300	10.	.43	.038	.104	.5	
% RSD	.9125	10.25	5.435	4.281	.7311	.5546	3.246	2.858	.4267	
Rep #1	897.7	1.454	.2166	6.794	1420.	76.85	1.177	3.666	118.2	
Rep #2	913.7	1.255	.1957	6.890	1440.	77.38	1.137	3.532	117.2	
Rep #3	909.3	1.538	.2137	7.355	1437.	77.69	1.213	3.737	117.7	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
54	QC: QC 05/01/2016 12:22:49 CONC DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	.3989	.4012	.4350	.3969	.3800	.4057	.4320	.4218	.4068	
Desv. Est.	.0072	.0037	.0011	.0021	.0036	.0032	.0010	.0023	.0013	
% RSD	1.796	.9285	.2605	.5290	.9596	.7865	.2380	.5458	.3118	
Rep #1	.4070	.4051	.4363	.3991	.3841	.4030	.4331	.4237	.4082	
Rep #2	.3966	.4007	.4343	.3967	.3788	.4092	.4320	.4192	.4057	
Rep #3	.3933	.3976	.4344	.3949	.3771	.4048	.4310	.4224	.4066	
Comprobació	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	
Valor										
Intervalo										
55	Unk: GISC15-22372 05/01/2016 12:24:48 CONC x100 DMP- 160105: SANGRE, UÑA:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	.1345	.2946	.0233	.9423	373.8	<.0000	<.0000	<.0000	2.578	
Desv. Est.	.8800	.1473	.0075	.2392	1.8	.0247	.0299	.0737	.003	
% RSD	654.5	49.99	32.21	25.38	.4942	53.52	114.2	145.5	.1185	
Rep #1	-.8652	.2618	.0245	.7009	373.9	-.0340	-.0361	-.1354	2.578	
Rep #2	.7921	.1666	.0152	1.179	375.5	-.0747	.0074	-.0151	2.574	
Rep #3	.4764	.4556	.0300	.9469	371.9	-.0300	-.0500	-.0015	2.581	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										

1	Cal: Blanco 06/01/2016 02:29:35 IR D Hg 160106: SANGRE, UÑA:
	Hg1942
Unidades	Cts/s
Media	2.248
Desv. Est.	1.129
% RSD	50.21
Rep #1	.9605
Rep #2	3.067
Rep #3	2.715
2	Cal: STD 1 06/01/2016 08:39:16 IR D Hg 160106: SANGRE, UÑA:
	Hg1942
Unidades	Cts/s
Media	62.78
Desv. Est.	2.59
% RSD	4.121
Rep #1	60.01
Rep #2	63.18
Rep #3	65.14
3	Cal: STD 2 06/01/2016 08:40:42 IR D Hg 160106: SANGRE, UÑA:
	Hg1942
Unidades	Cts/s
Media	202.0
Desv. Est.	1.8
% RSD	.9126
Rep #1	199.9
Rep #2	202.7
Rep #3	203.3
4	Cal: STD 3 06/01/2016 08:41:54 IR D Hg 160106: SANGRE, UÑA:
	Hg1942
Unidades	Cts/s
Media	298.1
Desv. Est.	10.8
% RSD	3.607
Rep #1	285.7
Rep #2	304.7
Rep #3	304.0
5	Cal: STD 4 06/01/2016 08:43:39 IR D Hg 160106: SANGRE, UÑA:
	Hg1942
Unidades	Cts/s
Media	624.0
Desv. Est.	13.8
% RSD	2.204
Rep #1	608.2
Rep #2	630.4
Rep #3	633.5
6	QC: PatrónQC 06/01/2016 08:46:34 CONC D Hg 160106: SANGRE, UÑA:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0051
Desv. Est.	.0000

% RSD	.5114
Rep #1	.0051
Rep #2	.0051
Rep #3	.0051
Comprobación	Pasa Comp
Valor	
Intervalo	
7	Unk: BLANCO 06/01/2016 08:48:18 CONC D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0004
Desv. Est.	.0001
% RSD	19.93
Rep #1	.0005
Rep #2	.0004
Rep #3	.0004
8	Unk: RECUPERACION 06/01/2016 08:50:03 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.5054
Desv. Est.	.0116
% RSD	2.289
Rep #1	.4920
Rep #2	.5116
Rep #3	.5124
9	Blanco: REACTIVO 06/01/2016 08:51:34 CONC D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0003
Desv. Est.	.0000
% RSD	9.862
Rep #1	.0004
Rep #2	.0004
Rep #3	.0003
10	Unk: GISC15-22319 06/01/2016 08:53:36 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0124
Desv. Est.	.0014
% RSD	11.15
Rep #1	-.0116
Rep #2	-.0117
Rep #3	-.0140
11	Unk: GISC15-22319-R 06/01/2016 08:55:44 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0135

Desv. Est.	.0009
% RSD	6.877
Rep #1	-.0142
Rep #2	-.0124
Rep #3	-.0138
12	Unk: GISC15-22320 06/01/2016 08:57:23 CONC x100 D.H. 160100: CANOBE UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0091
Desv. Est.	.0010
% RSD	10.55
Rep #1	-.0096
Rep #2	-.0097
Rep #3	-.0080
13	Unk: GISC15-22321 06/01/2016 08:58:40 CONC x100 D.H. 160100: CANOBE UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0067
Desv. Est.	.0008
% RSD	11.94
Rep #1	-.0060
Rep #2	-.0076
Rep #3	-.0065
14	Unk: GISC15-22322 06/01/2016 09:00:01 CONC x100 D.H. 160100: CANOBE UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0056
Desv. Est.	.0025
% RSD	44.93
Rep #1	-.0041
Rep #2	-.0042
Rep #3	-.0086
15	Unk: GISC15-22324 06/01/2016 09:01:30 CONC x100 D.H. 160100: CANOBE UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0167
Desv. Est.	.0011
% RSD	6.833
Rep #1	-.0159
Rep #2	-.0161
Rep #3	-.0180
16	Unk: GISC15-22327 06/01/2016 09:02:55 CONC x100 D.H. 160100: CANOBE UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0166
Desv. Est.	.0017
% RSD	10.46

Rep #1	-0173
Rep #2	-0146
Rep #3	-0178
17	QC: QC 06/01/2016 09:04:50 CONC D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0046
Desv. Est.	.0002
% RSD	4.504
Rep #1	.0043
Rep #2	.0046
Rep #3	.0047
Comprobación	Pasa Comp
Valor	
Intervalo	
18	Unk: GISC15-22328 06/01/2016 09:08:17 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0067
Desv. Est.	.0002
% RSD	2.551
Rep #1	-.0066
Rep #2	-.0066
Rep #3	-.0069
19	Unk: GISC15-22329 06/01/2016 09:09:43 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0029
Desv. Est.	.0007
% RSD	25.83
Rep #1	-.0021
Rep #2	-.0035
Rep #3	-.0031
20	Unk: GISC15-22330 06/01/2016 09:10:59 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0022
Desv. Est.	.0054
% RSD	250.7
Rep #1	.0037
Rep #2	-.0032
Rep #3	-.0069
21	Unk: GISC15-22332 06/01/2016 09:12:21 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0163
Desv. Est.	.0018

% RSD	10.75
Rep #1	-0.153
Rep #2	-0.184
Rep #3	-0.154
22	Unk: GISC15-22333 06/01/2016 09:13:56 CONC x100 DUE 160100: CANCER UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0.108
Desv. Est.	.0019
% RSD	17.95
Rep #1	-0.127
Rep #2	-0.088
Rep #3	-0.110
23	Unk: GISC15-22334 06/01/2016 09:15:24 CONC x100 DUE 160100: CANCER UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.1356
Desv. Est.	.2364
% RSD	174.3
Rep #1	.0098
Rep #2	-0.112
Rep #3	.4082
24	Unk: GISC15-22336 06/01/2016 09:16:41 CONC x100 DUE 160100: CANCER UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0.190
Desv. Est.	.0007
% RSD	3.880
Rep #1	-0.192
Rep #2	-0.197
Rep #3	-0.182
25	Unk: GISC15-22337 06/01/2016 09:18:12 CONC x100 DUE 160100: CANCER UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0.119
Desv. Est.	.0019
% RSD	15.60
Rep #1	-0.107
Rep #2	-0.141
Rep #3	-0.110
26	Unk: GISC15-22339 06/01/2016 09:19:28 CONC x100 DUE 160100: CANCER UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0.190
Desv. Est.	.0015
% RSD	8.022
Rep #1	-0.204

Rep #2	-0193
Rep #3	-0174
27	Unk: GISC15-22341 06/01/2016 09:21:02 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0171
Desv. Est.	.0022
% RSD	12.98
Rep #1	-0197
Rep #2	-0161
Rep #3	-0156
28	QC: QC 06/01/2016 09:22:25 CONC D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0042
Desv. Est.	.0001
% RSD	1.986
Rep #1	.0041
Rep #2	.0042
Rep #3	.0042
Comprobación	Pasa Comp
Valor	
Intervalo	
29	Unk: GISC15-22343 06/01/2016 09:24:03 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0176
Desv. Est.	.0008
% RSD	4.263
Rep #1	-0168
Rep #2	-0183
Rep #3	-0177
30	Unk: GISC15-22344 06/01/2016 09:25:20 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0179
Desv. Est.	.0028
% RSD	15.58
Rep #1	-0170
Rep #2	-0156
Rep #3	-0210
31	Unk: GISC15-22346 06/01/2016 09:26:44 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0191
Desv. Est.	.0037
% RSD	19.27

Rep #1	-0149
Rep #2	-0205
Rep #3	-0219
32	Unk: GISC15-22348 06/01/2016 09:28:31 CONC x100 D.L. 160100: CANOBE UÑA Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0199
Desv. Est.	.0020
% RSD	10.07
Rep #1	-0222
Rep #2	-0188
Rep #3	-0187
33	Unk: GISC15-22348-R 06/01/2016 09:30:36 CONC x100 D.L. 160100: CANOBE UÑA Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0336
Desv. Est.	.0027
% RSD	8.107
Rep #1	-.0311
Rep #2	-.0331
Rep #3	-.0365
34	Unk: GISC15-22349 06/01/2016 09:32:02 CONC x100 D.L. 160100: CANOBE UÑA Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0348
Desv. Est.	.0016
% RSD	4.543
Rep #1	-.0365
Rep #2	-.0335
Rep #3	-.0342
35	Unk: GISC15-22351 06/01/2016 09:33:23 CONC x100 D.L. 160100: CANOBE UÑA Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0170
Desv. Est.	.0007
% RSD	4.042
Rep #1	-.0164
Rep #2	-.0169
Rep #3	-.0177
36	Unk: GISC15-22352 06/01/2016 09:34:53 CONC x100 D.L. 160100: CANOBE UÑA Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0214
Desv. Est.	.0041
% RSD	19.24
Rep #1	-.0173
Rep #2	-.0215

Rep #3	-0255
37	Unk: GISC15-22354 06/01/2016 09:36:15 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0176
Desv. Est.	.0010
% RSD	5.545
Rep #1	-0167
Rep #2	-0186
Rep #3	-0174
38	Unk: GISC15-22355 06/01/2016 09:37:36 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0781
Desv. Est.	.0273
% RSD	34.89
Rep #1	.0477
Rep #2	.0862
Rep #3	.1004
39	QC: QC 06/01/2016 09:43:20 CONC D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0043
Desv. Est.	.0000
% RSD	.3992
Rep #1	.0043
Rep #2	.0043
Rep #3	.0043
Comprobación	Pasa Comp
Valor	
Intervalo	
40	Unk: GISC15-22357 06/01/2016 09:45:59 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0004
Desv. Est.	.0029
% RSD	791.3
Rep #1	.0022
Rep #2	.0001
Rep #3	-.0034
41	Unk: GISC15-22358 06/01/2016 09:47:33 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0063
Desv. Est.	.0082
% RSD	130.0
Rep #1	.0145

Rep #2	.0065
Rep #3	-.0020
42	Unk: GISC15-22360 06/01/2016 09:49:14 CONC x100 DIL: 100100: CANOBE UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0155
Desv. Est.	.0008
% RSD	5.053
Rep #1	-.0150
Rep #2	-.0164
Rep #3	-.0150
43	Unk: GISC15-22361 06/01/2016 09:50:55 CONC x100 DIL: 100100: CANOBE UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0325
Desv. Est.	.0023
% RSD	6.995
Rep #1	-.0335
Rep #2	-.0341
Rep #3	-.0299
44	Unk: GISC15-22363 06/01/2016 09:52:33 CONC x100 DIL: 100100: CANOBE UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0128
Desv. Est.	.0022
% RSD	17.01
Rep #1	-.0128
Rep #2	-.0149
Rep #3	-.0106
45	Unk: GISC15-22364 06/01/2016 09:54:03 CONC x100 DIL: 100100: CANOBE UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0084
Desv. Est.	.0077
% RSD	91.03
Rep #1	.0164
Rep #2	.0079
Rep #3	.0010
46	Unk: GISC15-22366 06/01/2016 09:55:37 CONC x100 DIL: 100100: CANOBE UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0146
Desv. Est.	.0025
% RSD	16.88
Rep #1	-.0123
Rep #2	-.0172
Rep #3	-.0144

47	Unk: GISC15-22367 06/01/2016 09:56:59 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0709
Desv. Est.	.0437
% RSD	61.61
Rep #1	.1107
Rep #2	.0778
Rep #3	.0242
48	Unk: GISC15-22369 06/01/2016 09:58:35 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0199
Desv. Est.	.0005
% RSD	2.582
Rep #1	-.0203
Rep #2	-.0193
Rep #3	-.0201
49	Unk: GISC15-22370 06/01/2016 09:59:55 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0467
Desv. Est.	.0020
% RSD	4.330
Rep #1	-.0486
Rep #2	-.0469
Rep #3	-.0445
50	QC: QC 06/01/2016 10:04:48 CONC D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0046
Desv. Est.	.0000
% RSD	.8487
Rep #1	.0046
Rep #2	.0046
Rep #3	.0046
Comprobación	Pasa Comp
Valor	
Intervalo	
51	Unk: GISC15-22372 06/01/2016 10:06:33 CONC x100 D Hg 160106: SANGRE, UÑA: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0194
Desv. Est.	.0003
% RSD	1.685
Rep #1	-.0191
Rep #2	-.0194

Rep #3	-0197
52	Unk: GISC15-22373 06/01/2016 10:08:24 CONC x100 FILE 100100: CANOBE UÑA Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0172
Desv. Est.	.0029
% RSD	16.67
Rep #1	-0168
Rep #2	-0202
Rep #3	-0146
53	Unk: GISC15-22376 06/01/2016 10:09:51 CONC x100 FILE 100100: CANOBE UÑA Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0161
Desv. Est.	.0020
% RSD	12.49
Rep #1	-0181
Rep #2	-0141
Rep #3	-0161
54	Unk: GISC15-22379 06/01/2016 10:11:32 CONC x100 FILE 100100: CANOBE UÑA Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0189
Desv. Est.	.0011
% RSD	6.004
Rep #1	-0188
Rep #2	-0179
Rep #3	-0201
55	Unk: GISC15-22383 06/01/2016 10:12:27 CONC x100 FILE 100100: CANOBE UÑA Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0283
Desv. Est.	.0012
% RSD	4.355
Rep #1	-0278
Rep #2	-0297
Rep #3	-0274
56	Unk: GISC15-22384 06/01/2016 10:13:57 CONC x100 FILE 100100: CANOBE UÑA Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0171
Desv. Est.	.0018
% RSD	10.33
Rep #1	-0191
Rep #2	-0161
Rep #3	-0160

57	QC: QC 06/01/2016 10:16:11 CONC D Hg 160106: SANGRE, UÑA:
	Hg1942
Línea	194.227 (47
Unidades	mg/kg
Media	.0047
Desv. Est.	.0001
% RSD	1.479
Rep #1	.0047
Rep #2	.0047
Rep #3	.0048
Comprobación	Pasa Comp
Valor	
Intervalo	

CONTENIDO

MUESTRAS BIOLÓGICAS

(Uña /Garra, Pelo/Pluma)

- 1.1 Informes de resultados de prueba**
- 1.2 Curva de calibración**
- 1.3 Evaluación de muestras de control de calidad**
- 1.4 Datos crudos de lote analítico**

**GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.**EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO.
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx

Número de acreditación No. SA-159-005/11

Vigencia de acreditación a partir de 2011-05-10

"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".**INFORME DE RESULTADOS DE PRUEBA****DATOS DE LA MUESTRA****Matriz:** MB (Uña/Garra - Pelo/Pluma)**Fecha de Recepción:** 2015-11-05**INTERESADO****Nombre :** Laboratorio Nacional de las Ciencias de la Sostenibilidad; Instituto de Ecología-UNAM**Dirección:** Av. Universidad No. 3000, Col. UNAM, CU, Del. Coyoacán, Distrito Federal, CP 04510**DATOS DEL ANÁLISIS****Método:** Determinación de metales y metaloides en agua y alimentos por Espectrometría de Emisión de Plasma de Acoplamiento Inductivo (ICP-OES)**Referencia:** EPA 6010C-2007**Resultados:** Ver hoja excell2015/11/05 (3)**Fecha de Analisis de Metales y Mercurio:** 2016-01-08 2016-01-11**Fecha de Realización del Informe:** 2016-01-12**IDENTIFICACIÓN CLIENTE**L-F0025/15/00241
L-F0025/15/00242
L-F0025/15/00243
L-F0025/15/00245
L-F0025/15/00246
L-F0025/15/00247
L-F0025/15/00248
L-F0025/15/00250
L-F0053/15/00522
L-F0053/15/00523
L-F0053/15/00528
L-F0053/15/00530
L-F0054/15/00535
L-F0054/15/00536
L-F0054/15/00540
L-F0055/15/00545
L-F0055/15/00546
L-F0059/15/00587
L-F0059/15/00590**CLAVE DE IDENTIFICACIÓN**GISC15-22260
GISC15-22261
GISC15-22262
GISC15-22264
GISC15-22265
GISC15-22266
GISC15-22267
GISC15-22269
GISC15-22273
GISC15-22274
GISC15-22277
GISC15-22279
GISC15-22280
GISC15-22281
GISC15-22285
GISC15-22289
GISC15-22290
GISC15-22291
GISC15-22294



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.
EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO,
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



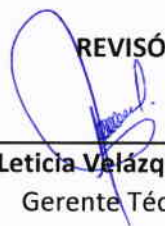
Número de acreditación No. SA-159-005/11
Vigencia de acreditación a partir de 2011-05-10
"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

IDENTIFICACIÓN CLIENTE

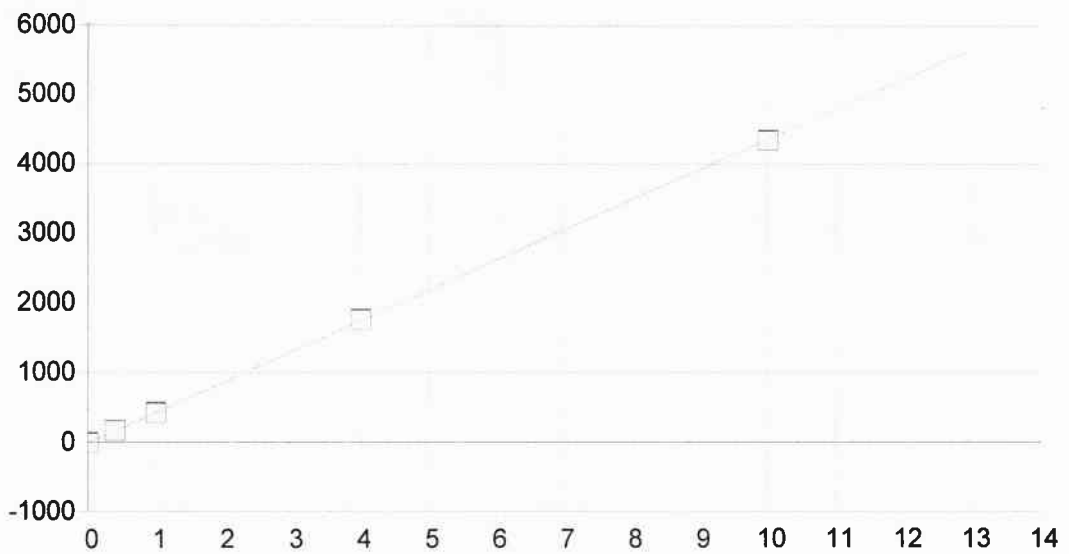
L-F0103/15/01030
L-F0106/15/01056
L-F0106/15/01058
L-F0107/15/01063
L-F0107/15/01064
L-F0107/15/01069
L-F0109/15/01082
L-F0110/15/01100
L-F0111/15/01101
L-F0113/15/01121
L-F0113/15/01125
L-F0114/15/01132
L-F0114/15/01134
L-F0114/15/01138
L-F0115/15/01143
L-F0115/15/01145
L-F0115/15/01148
L-F0116/15/01151
L-F0116/15/01157
L-F0116/15/01160
L-F0117/15/01166
L-F0117/15/01169
L-F0118/15/01172
L-F0118/15/01175
L-F0118/15/01181
L-F0119/15/01182
L-F0119/15/01186
L-F0119/15/01187
L-F0119/15/01189
L-F0119/15/01190
L-F0120/15/01191
L-F0120/15/01194

CLAVE DE IDENTIFICACIÓN

GISC15-22302
GISC15-22308
GISC15-22310
GISC15-22312
GISC15-22313
GISC15-22318
GISC15-22323
GISC15-22325
GISC15-22326
GISC15-22331
GISC15-22335
GISC15-22338
GISC15-22340
GISC15-22342
GISC15-22345
GISC15-22347
GISC15-22350
GISC15-22353
GISC15-22356
GISC15-22359
GISC15-22362
GISC15-22365
GISC15-22368
GISC15-22371
GISC15-22374
GISC15-22375
GISC15-22377
GISC15-22378
GISC15-22380
GISC15-22381
GISC15-22382
GISC15-22385

REVISÓ


Q.F.B. Leticia Velázquez Méndez
Gerente Técnico

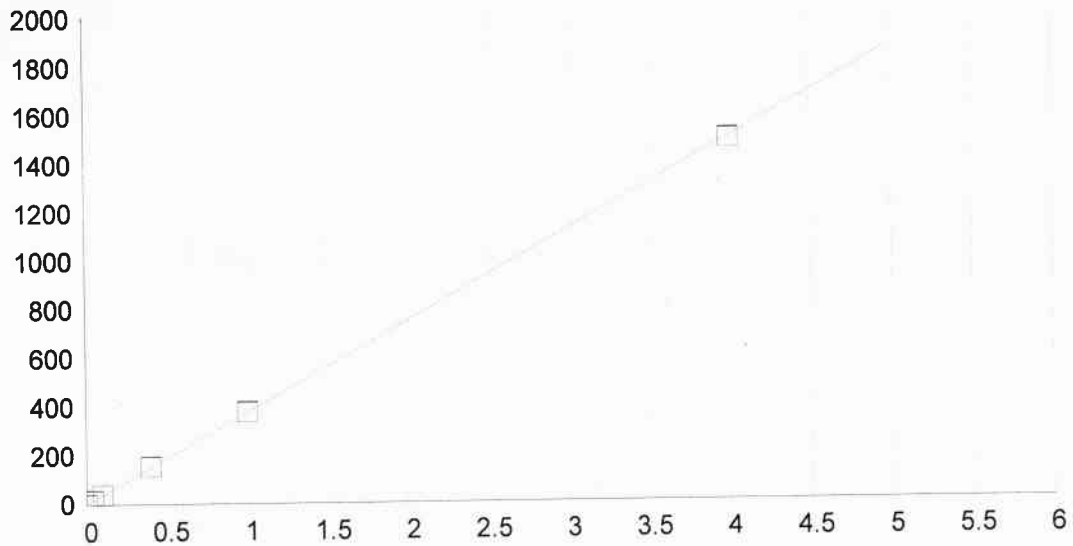


AI 396.152 { 85}

Fecha de la 08/01/2016 07:58:38 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): -6.011377 Reajustar P 1.000000
 A1 (Ganancia) 436.259241 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999978 Estatus: OK.
 Error Estándar de Est: 0.290018
 MDL: 0.018605
 MQL: 0.062016

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	-6.0133	3.03	1
STD 5	.40000	.40490	.005	1.23	170.63	2.95	1
STD 6	1.0000	.99267	-.007	-.733	427.05	12.0	1
STD 7	4.0000	4.0403	.040	1.01	1756.6	3.85	1
STD 8	10.000	9.9621	-.038	-.379	4340.0	6.85	1

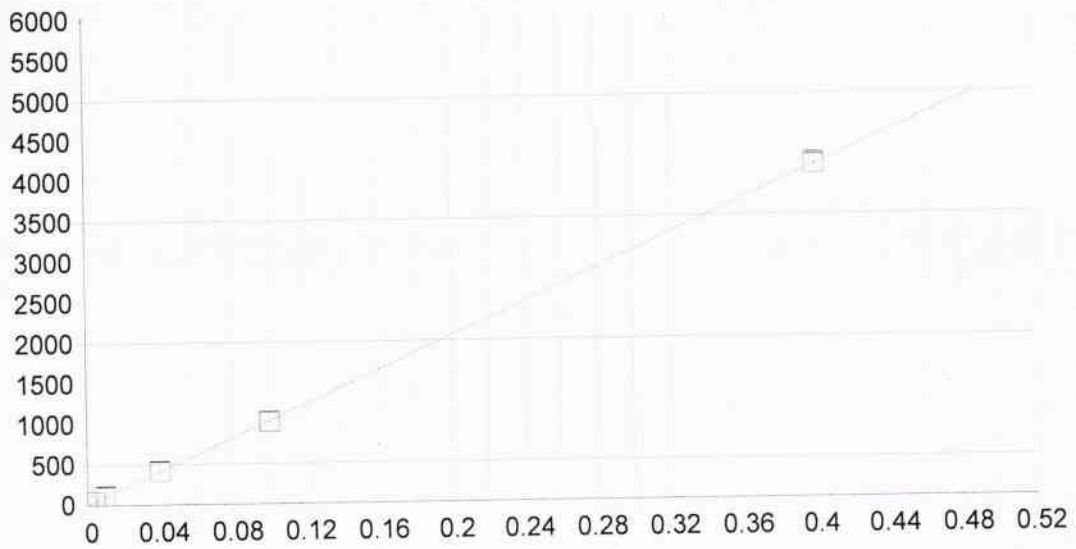


As 189.042 {478}

Fecha de la 08/01/2016 07:54:55 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 0.679069 Reajustar P 1.000000
 A1 (Ganancia) 374.299718 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999947 Estatus: OK.
 Error Estándar de Est: 0.070207
 MDL: 0.002289
 MQL: 0.007628

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	.67771	.242	1
STD 4	.10000	.10202	.002	2.02	38.864	.238	1
STD 5	.40000	.41175	.012	2.94	154.80	.720	1
STD 6	1.0000	1.0052	.005	.521	376.93	1.19	1
STD 7	4.0000	3.9794	-.021	-.515	1490.2	1.29	1
STD 3	.04000	.04165	.002	4.12	16.267	.543	1

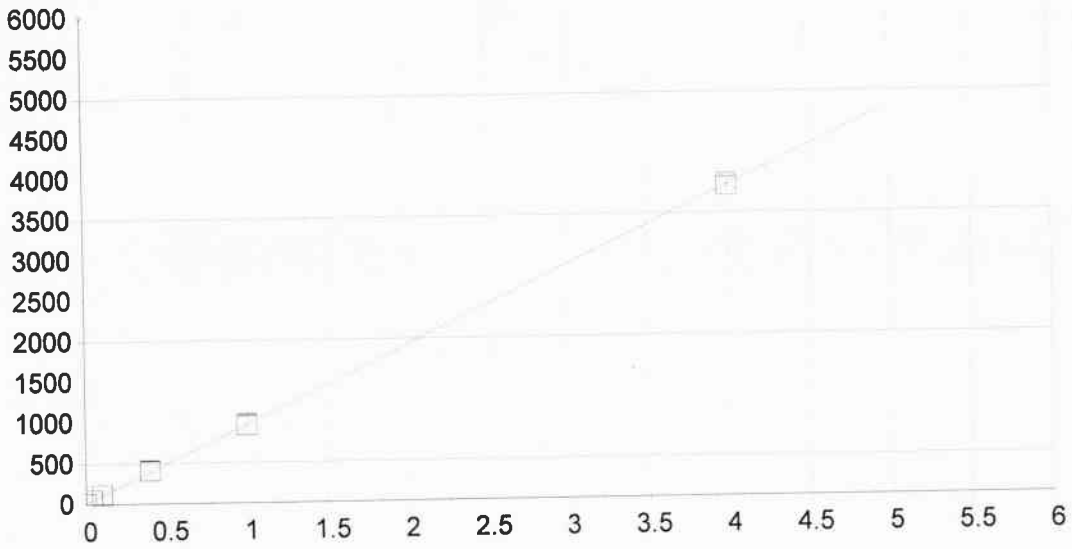


Cd 226.502 {449}

Fecha de la 08/01/2016 07:49:25 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 3.586769 Reajustar P 1.000000
 A1 (Ganancia) 10273.91003 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999977 Estatus: OK.
 Error Estándar de Est: 0.126574
 MDL: 0.000132
 MQL: 0.000441

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	3.5885	.326	1
STD 1	.00400	.00382	-.000	-4.58	42.802	.460	1
STD 2	.01000	.01010	.000	.993	107.35	5.89	1
STD 3	.04000	.04005	.000	.129	415.07	4.80	1
STD 4	.10000	.09888	-.001	-1.12	1019.5	2.26	1
STD 5	.40000	.40115	.001	.288	4125.0	17.5	1

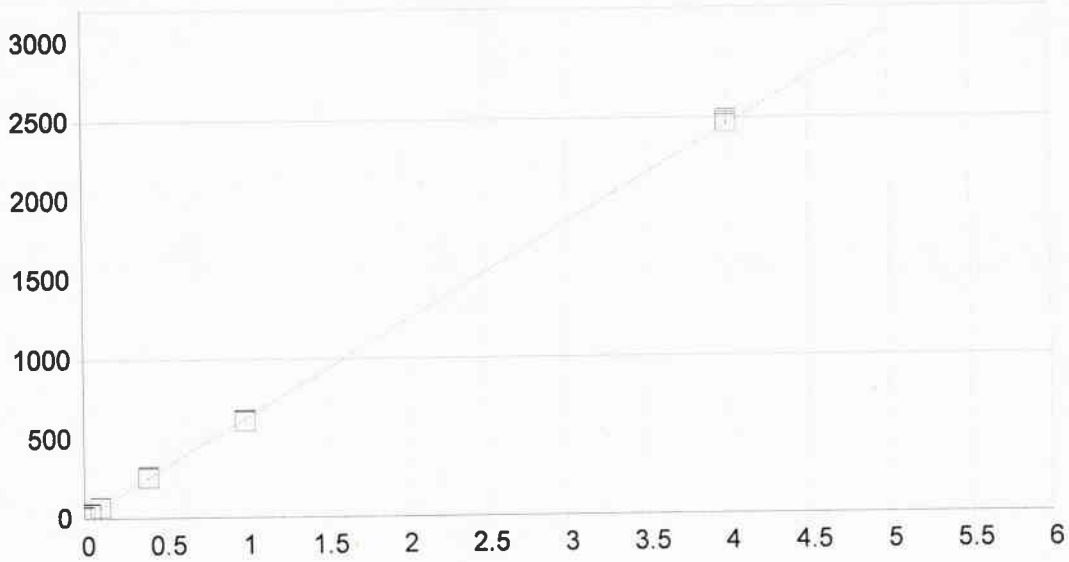


Cu 324.754 {104}

Fecha de la 08/01/2016 07:54:55 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 11.707451 Reajustar P 1.000000
 A1 (Ganancia) 958.455856 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999895 Estatus: OK.
 Error Estándar de Est: 0.253520
 MDL: 0.004685
 MQL: 0.015618

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	11.702	1.05	1
STD 5	.40000	.41433	.014	3.58	408.83	4.34	1
STD 6	1.0000	.99129	-.009	-.871	961.81	13.4	1
STD 7	4.0000	3.9859	-.014	-.352	3832.0	25.5	1
STD 3	.04000	.04311	.003	7.78	53.027	.434	1
STD 4	.10000	.10535	.005	5.35	112.68	.372	1

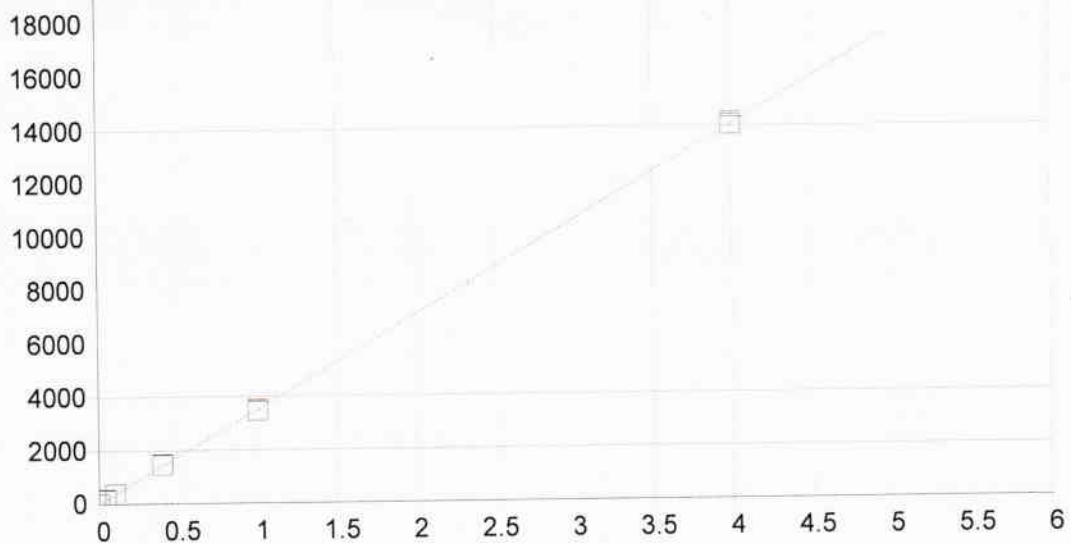


Fe 259.940 {130}

Fecha de la 08/01/2016 07:54:55 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 9.861035 Reajustar P 1.000000
 A1 (Ganancia) 611.208334 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999799 Estatus: OK.
 Error Estándar de Est: 0.223526
 MDL: 0.003650
 MQL: 0.012167

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00001	.000	.000	9.8667	1.92	1
STD 5	.40000	.40612	.006	1.53	258.09	5.15	1
STD 6	1.0000	.98251	-.017	-1.75	610.38	3.19	1
STD 3	.04000	.03207	-.008	-19.8	29.460	2.28	1
STD 4	.10000	.09645	-.004	-3.55	68.810	1.74	1
STD 7	4.0000	4.0229	.023	.571	2468.7	16.0	1

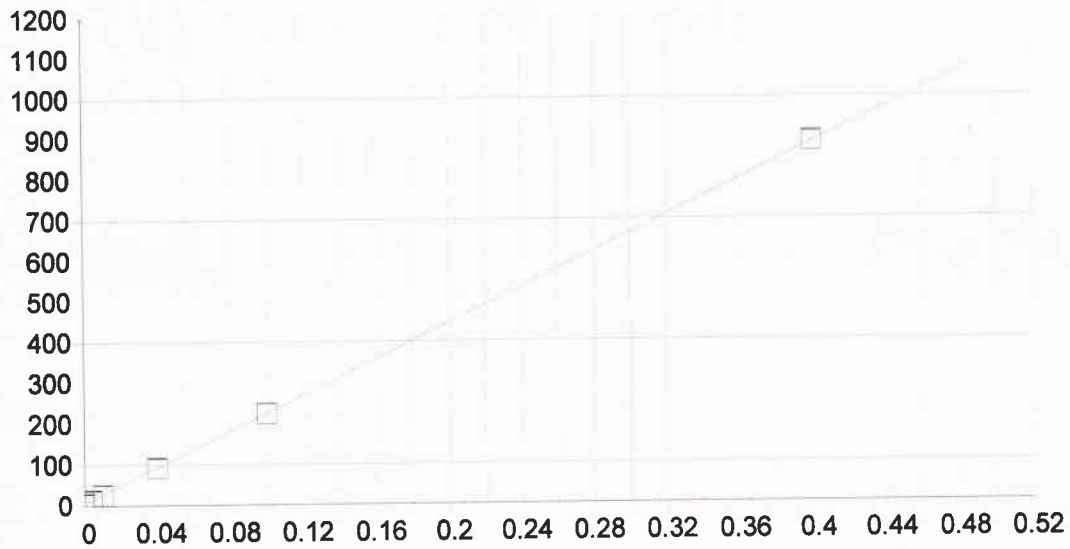


Mn 257.610 {131}

Fecha de la 08/01/2016 07:54:55 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 2.604157 Reajustar P 1.000000
 A1 (Ganancia) 3515.954881 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999936 Estatus: OK.
 Error Estándar de Est: 0.721968
 MDL: 0.000676
 MQL: 0.002252

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	2.5917	1.87	1
STD 5	.40000	.41232	.012	3.08	1452.3	7.79	1
STD 6	1.0000	.98829	-.012	-1.17	3477.4	33.7	1
STD 3	.04000	.04140	.001	3.51	148.18	5.42	1
STD 4	.10000	.10361	.004	3.61	366.88	2.48	1
STD 7	4.0000	3.9944	-.006	-.141	14047.	89.8	1

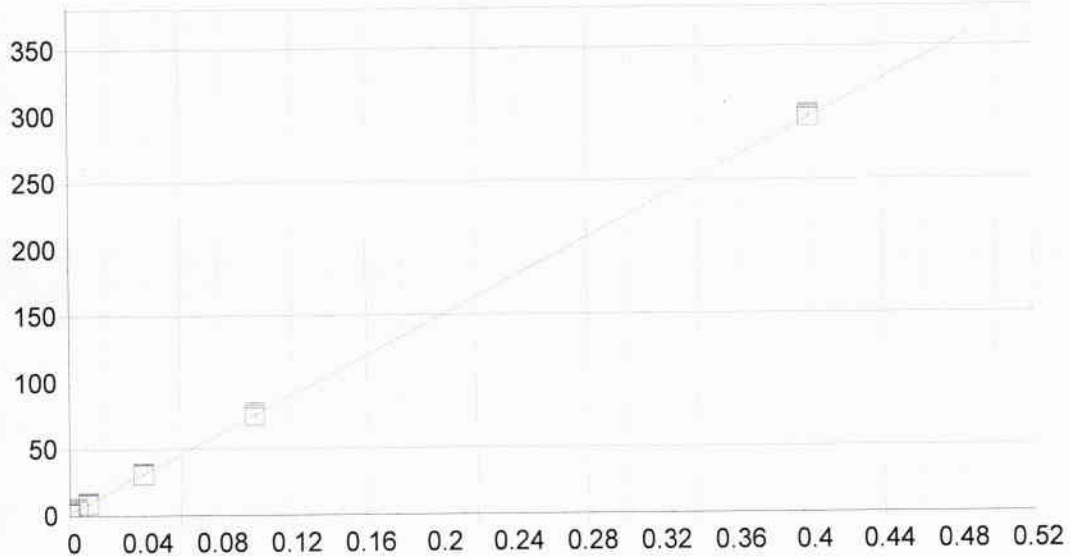


Ni 231.604 {446}

Fecha de la 08/01/2016 07:49:25 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 3.849224 Reajustar P 1.000000
 A1 (Ganancia) 2209.439307 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999992 Estatus: OK.
 Error Estándar de Est: 0.015941
 MDL: 0.000553
 MQL: 0.001843

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	3.8496	.985	1
STD 1	.00400	.00385	-.000	-3.65	12.364	1.52	1
STD 2	.01000	.01000	-.000	-.042	25.934	.257	1
STD 3	.04000	.03974	-.000	-.649	91.653	1.08	1
STD 4	.10000	.09976	-.000	-.243	224.26	.384	1
STD 5	.40000	.40065	.001	.163	889.07	2.50	1

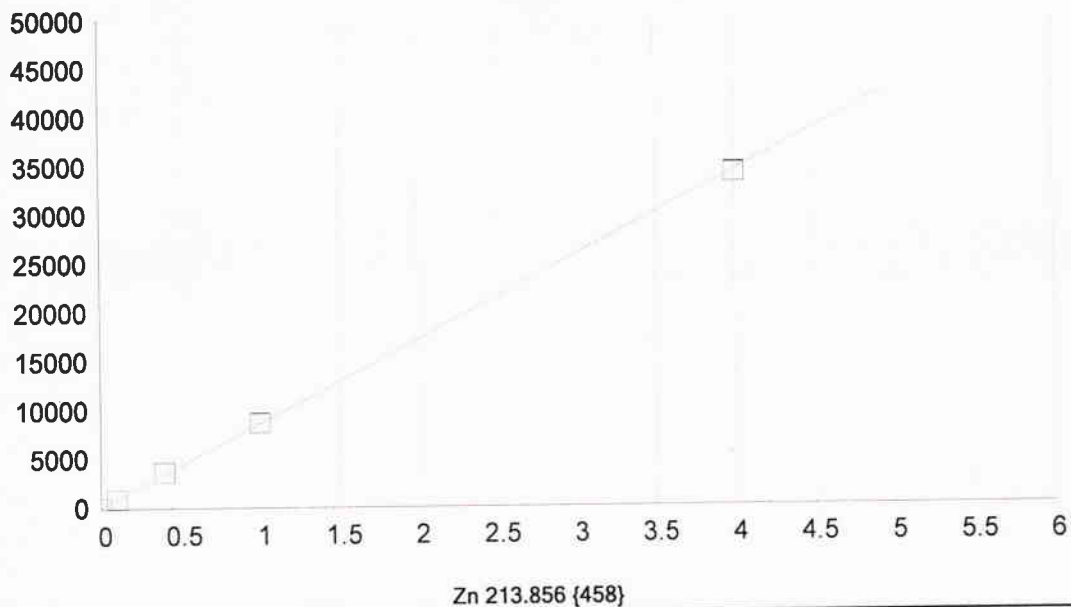


Pb 220.353 {453}

Fecha de la 08/01/2016 07:49:25 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 1.772688 Reajustar P 1.000000
 A1 (Ganancia) 735.813975 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999982 Estatus: OK.
 Error Estándar de Est: 0.008062
 MDL: 0.001568
 MQL: 0.005226

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	1.7728	.242	1
STD 1	.00400	.00398	-.000	-.579	4.6989	.976	1
STD 2	.01000	.00964	-.000	-3.59	8.8664	.508	1
STD 3	.04000	.03964	-.000	-.905	30.939	.628	1
STD 4	.10000	.09969	-.000	-.307	75.128	1.74	1
STD 5	.40000	.40105	.001	.263	296.87	1.58	1

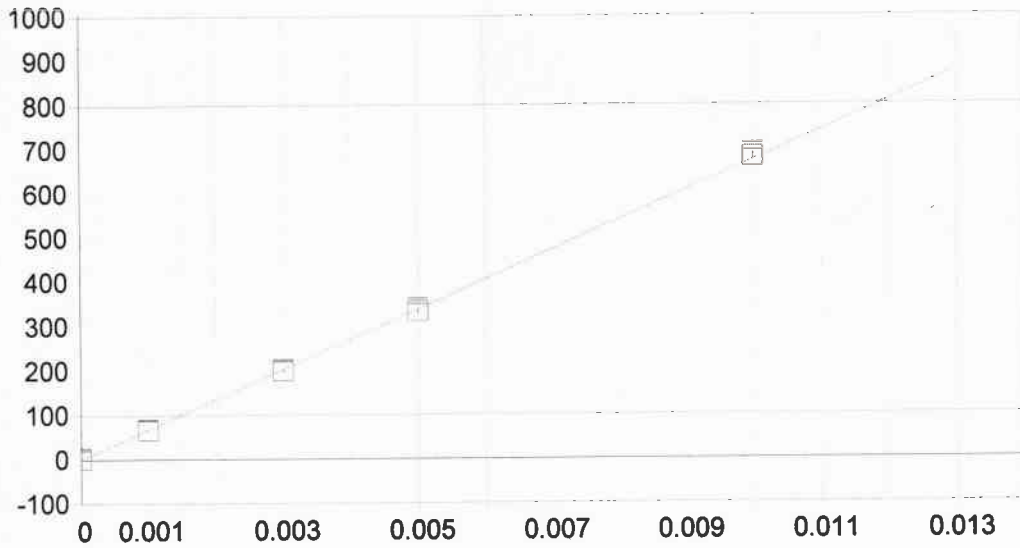


Zn 213.856 {458}

Fecha de la 08/01/2016 07:54:55 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 38.745042 Reajustar P 1.000000
 A1 (Ganancia) 8612.062786 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999840 Estatus: OK.
 Error Estándar de Est: 4.654947
 MDL: 0.000129
 MQL: 0.000431

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	38.662	.698	1
STD 4	.10000	.10412	.004	4.12	935.44	4.89	1
STD 5	.40000	.42181	.022	5.45	3671.4	9.44	1
STD 6	1.0000	1.0093	.009	.925	8730.5	14.1	1
STD 7	4.0000	3.9648	-.035	-.880	34184.	65.7	1



Hg 194.227 {474}

Fecha de la 11/01/2016 12:38:46 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 0.242532 Reajustar P 1.000000
 A1 (Ganancia) 67301.21026 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999941 Estatus: OK.
 Error Estándar de Est: 0.129391
 MDL: 0.000022
 MQL: 0.000073

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	.24423	2.87	1
STD 1	.00100	.00099	-.000	-1.26	66.693	1.38	1
STD 2	.00300	.00296	-.000	-1.24	199.65	2.44	1
STD 3	.00500	.00495	-.000	-1.05	333.21	6.14	1
STD 4	.01000	.01010	.000	1.02	680.14	8.05	1



Análisis:

METALES PESADOS POR ICP-OES

Lote analítico:

DMP-UNA/GARRA-PELO/PLUMA-SANGRE-160108

Fecha de Análisis:

08/01/2016

Fecha de Reporte:

08/01/2016

CONCENTRACIONES DE LAS CURVAS DE CALIBRACION.

DESCRIPCIÓN	CONCENTRACION mg/L									
	Al	As	Cd	Cu	Fe	Mn	Ni	Pb	Zn	Hg
NIVEL 1			0.004				0.004	0.004		0.0010
NIVEL 2			0.010				0.010	0.010		0.0030
NIVEL 3		0.040	0.040	0.040	0.040	0.040	0.040	0.040		0.0050
NIVEL 4		0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0100
NIVEL 5	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	
NIVEL 6	1.000	1.000		1.000	1.000	1.000			1.000	
NIVEL 7	4.000	4.000		4.000	4.000	4.000			4.000	
NIVEL 8	10.000									
NIVEL 9										
Correlación	0.9999	0.9999	0.9999	0.9999	0.9998	0.9999	0.9999	0.9999	0.9998	0.9999

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
10	QC:QC	Aluminio	0.4000	0.4283	107	43	QC:QC	Aluminio	0.4000	0.4266	107
		Arsénico	0.4000	0.4552	114			Arsénico	0.4000	0.4476	112
		Cadmio	0.4000	0.4296	107			Cadmio	0.4000	0.4172	104
		Cobre	0.4000	0.4360	109			Cobre	0.4000	0.4206	105
		Fierro	0.4000	0.4462	112			Fierro	0.4000	0.4309	108
		Manganeso	0.4000	0.4399	110			Manganeso	0.4000	0.4220	106
		Níquel	0.4000	0.4254	106			Níquel	0.4000	0.4103	103
		Plomo	0.4000	0.4381	110			Plomo	0.4000	0.4287	107
		Zinc	0.4000	0.4572	114			Zinc	0.4000	0.4467	112
		21	QC:QC	Aluminio	0.4000			0.4460	112	54	QC:QC
Arsénico	0.4000			0.4530	113	Arsénico	0.4000	0.4432	111		
Cadmio	0.4000			0.4256	106	Cadmio	0.4000	0.4116	103		
Cobre	0.4000			0.4331	108	Cobre	0.4000	0.4039	101		
Fierro	0.4000			0.4500	113	Fierro	0.4000	0.4276	107		
Manganeso	0.4000			0.4413	110	Manganeso	0.4000	0.4142	104		
Níquel	0.4000			0.4202	105	Níquel	0.4000	0.4056	101		
Plomo	0.4000			0.4327	108	Plomo	0.4000	0.4239	106		
Zinc	0.4000	0.4547	114	Zinc	0.4000	0.4414	110				
32	QC:QC	Aluminio	0.4000	0.4364	109	65	QC:QC	Aluminio	0.4000	0.4161	104
		Arsénico	0.4000	0.4489	112			Arsénico	0.4000	0.4454	111
		Cadmio	0.4000	0.4221	106			Cadmio	0.4000	0.4177	104
		Cobre	0.4000	0.4322	108			Cobre	0.4000	0.4002	100
		Fierro	0.4000	0.4481	112			Fierro	0.4000	0.4280	107
		Manganeso	0.4000	0.4366	109			Manganeso	0.4000	0.4150	104
		Níquel	0.4000	0.4165	104			Níquel	0.4000	0.4097	102
		Plomo	0.4000	0.4327	108			Plomo	0.4000	0.4325	108
Zinc	0.4000	0.4522	113	Zinc	0.4000	0.4483	112				



Análisis:
 Lote analítico:
 Fecha de Análisis:
 Fecha de Reporte:

METALES PESADOS POR ICP-OES
 DMP-UÑA/GARRA-PELO/PLUMA-
 SANGRE-160108
 08/01/2016
 08/01/2016

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
70	QC:QC	Aluminio	0.4000	0.3816	95						
		Arsénico	0.4000	0.4436	111						
		Cadmio	0.4000	0.4133	103						
		Cobre	0.4000	0.4021	101						
		Fierro	0.4000	0.4229	106						
		Manganeso	0.4000	0.4141	104						
		Níquel	0.4000	0.4036	101						
		Plomo	0.4000	0.4254	106						
		Zinc	0.4000	0.4426	111						
6	QC:QC	Mercurio	0.0050	0.0051	102						
16	QC:QC	Mercurio	0.0050	0.0050	100						
28	QC:QC	Mercurio	0.0050	0.0051	102						
39	QC:QC	Mercurio	0.0050	0.0051	102						
50	QC:QC	Mercurio	0.0050	0.0051	102						
61	QC:QC	Mercurio	0.0050	0.0052	104						
66	QC:QC	Mercurio	0.0050	0.0052	104						

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)



Análisis:

METALES PESADOS POR ICP-OES

Lote analítico:

DMP-UÑA/GARRA-PELO/PLUMA-SANGRE-160108

Fecha de Análisis:

08/01/2016

Fecha de Reporte:

08/01/2016

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No.¹	Identificación	Analito	Concentración mg/Kg		% Recobro²	No.¹	Identificación	Analito	Concentración mg/Kg		% Recobro²
			Teórica	Práctica					Teórica	Práctica	
12	Recuperación	Aluminio	40.0000	38.0200	95						
		Arsénico	40.0000	44.8500	112						
		Cadmio	40.0000	41.0300	103						
		Cobre	40.0000	38.4500	96						
		Fierro	40.0000	41.5600	104						
		Manganeso	40.0000	39.9600	100						
		Níquel	40.0000	40.0900	100						
		Plomo	40.0000	43.0000	108						
		Zinc	40.0000	44.8800	112						
8	Recuperación	Mercurio	0.5000	0.4456	89						

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)

I. B. I. Gaudencio Vargas Espejel

I.B.I. Gaudencio Vargas Espejel

ELABORÓ

Q.F.B. Leticia Velázquez Méndez

Q.F.B. Leticia Velázquez Méndez

REVISÓ

PACE/GIS/I02-F01



Hoja de Trabajo (Preparación) -Metales y Metaloides-(2)

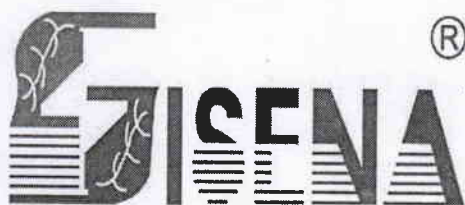
Clave	Matriz	Código	Fecha de Recepción	Peso de muestra (g)	
				Metales	Hg
GISC15-22260	Uña/Garra		05/11/2015	0.2712	0.2712
GISC15-22261	Pelo/Pluma		05/11/2015	0.1180	0.1180
GISC15-22262	Pelo/Pluma		05/11/2015	0.1937	0.1937
GISC15-22264	Uña/Garra		05/11/2015	0.0795	0.0795
GISC15-22265	Pelo/Pluma		05/11/2015	0.2431	0.2431
GISC15-22266	Uña/Garra		05/11/2015	0.0855	0.0855
GISC15-22267	Sangre		05/11/2015	0.5072	0.5072
GISC15-22269	Pelo/Pluma		05/11/2015	0.4264	0.4264
GISC15-22273	Pelo/Pluma		05/11/2015	0.1307	0.1307
GISC15-22274	Pelo/Pluma		05/11/2015	0.5092	0.5092
GISC15-22277	Pelo/Pluma		05/11/2015	0.5083	0.5083
GISC15-22279	Uña/Garra		05/11/2015	0.0883	0.0883
GISC15-22280	Pelo/Pluma		05/11/2015	0.2612	0.2612
GISC15-22281	Uña/Garra		05/11/2015	0.2786	0.2786
GISC15-22285	Pelo/Pluma		05/11/2015	0.3786	0.3786
GISC15-22289	Pelo/Pluma		05/11/2015	0.1115	0.1115
GISC15-22290	Uña/Garra		05/11/2015	0.3679	0.3679
GISC15-22291	Pelo/Pluma		05/11/2015	0.2124	0.2124
GISC15-22294	Pelo/Pluma		05/11/2015	0.4532	0.4332
GISC15-22302	Pelo/Pluma		05/11/2015	0.5096	0.5096
GISC15-22308	Pelo/Pluma		05/11/2015	0.5073	0.5073
GISC15-22310	Pelo/Pluma		05/11/2015	0.4338	0.4338
GISC15-22312	Pelo/Pluma		05/11/2015	0.5195	0.5195
GISC15-22313	Uña/Garra		05/11/2015	0.3957	0.3957
GISC15-22318	Pelo/Pluma		05/11/2015	0.2978	0.2978
GISC15-22323	Pelo/Pluma		05/11/2015	0.3997	0.3997
GISC15-22325	Uña/Garra		05/11/2015	0.1371	0.1371
GISC15-22326	Pelo/Pluma		05/11/2015	0.3899	0.3899
GISC15-22331	Pelo/Pluma		05/11/2015	0.5042	0.5042
GISC15-22335	Pelo/Pluma		05/11/2015	0.5100	0.5100
GISC15-22338	Pelo/Pluma		05/11/2015	0.5073	0.5073
GISC15-22340	Pelo/Pluma		05/11/2015	0.5070	0.5070
GISC15-22342	Pelo/Pluma		05/11/2015	0.5060	0.5060
GISC15-22345	Pelo/Pluma		05/11/2015	0.5044	0.5044
GISC15-22347	Pelo/Pluma		05/11/2015	0.5260	0.5260

J. Gaudencio Vargas

I.B.I Gaudencio Vargas Espejel

Leticia Velazquez

Q.F.B. Leticia Velazquez Méndez



Residuos Tóxicos

Hoja de Trabajo (Preparación) -Metales y Metaloides-(2)

Clave	Matriz	Código	Fecha de Recepción	Peso de muestra (g)	
				Metales	Hg
GISC15-22350	Pelo/Pluma		05/11/2015	0.5157	0.5157
GISC15-22353	Pelo/Pluma		05/11/2015	0.5032	0.5032
GISC15-22356	Pelo/Pluma		05/11/2015	0.5037	0.5037
GISC15-22359	Pelo/Pluma		05/11/2015	0.5060	0.5060
GISC15-22362	Pelo/Pluma		05/11/2015	0.5115	0.5115
GISC15-22365	Pelo/Pluma		05/11/2015	0.5027	0.5027
GISC15-22368	Pelo/Pluma		05/11/2015	0.5048	0.5048
GISC15-22371	Pelo/Pluma		05/11/2015	0.5182	0.5182
GISC15-22374	Pelo/Pluma		05/11/2015	0.2092	0.2092
GISC15-22375	Uña/Garra		05/11/2015	0.0373	0.0373
GISC15-22377	Pelo/Pluma		05/11/2015	0.5061	0.5061
GISC15-22378	Uña/Garra		05/11/2015	0.0426	0.0426
GISC15-22380	Pelo/Pluma		05/11/2015	0.5002	0.5002
GISC15-22381	Uña/Garra		05/11/2015	0.0617	0.0617
GISC15-22382	Pelo/Pluma		05/11/2015	0.3483	0.3483
GISC15-22385	Pelo/Pluma		05/11/2015	0.3547	0.3547

I. B. I. Gaudencio Vargas Espejel

I.B.I Gaudencio Vargas Espejel

Q.F.B. Leticia Velazquez Méndez

Q.F.B. Leticia Velazquez Méndez

1	Cal: Blanco 08/01/2016 07:34:25 IR DMP 160108: SANGRE,UÑA Y PELO:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	
Media	-6.013	.6777	3.589	11.70	9.867	2.592	3.850	1.773	38.66	
Desv. Est.	3.029	.2415	.326	1.05	1.921	1.866	.986	.242	.70	
% RSD	50.38	35.64	9.076	8.979	19.47	72.01	25.60	13.66	1.804	
Rep #1	-9.240	.7521	3.953	10.51	11.04	3.300	4.978	1.598	39.17	
Rep #2	-5.570	.8732	3.326	12.51	7.650	4.000	3.413	1.671	37.87	
Rep #3	-3.230	.4077	3.487	12.08	10.91	.4750	3.158	2.049	38.95	
2	Cal: STD 1 08/01/2016 07:36:57 IR DMP 160108: SANGRE,UÑA Y PELO:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 { 44	231.604 { 44	220.353 { 45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	42.80	12.36	4.699							
Desv. Est.	.46	1.52	.976							
% RSD	1.075	12.29	20.77							
Rep #1	43.11	13.01	4.027							
Rep #2	43.02	13.45	5.818							
Rep #3	42.27	10.63	4.251							
3	Cal: STD 2 08/01/2016 07:39:52 IR DMP 160108: SANGRE,UÑA Y PELO:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 { 44	231.604 { 44	220.353 { 45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	107.3	25.93	8.866							
Desv. Est.	5.9	.26	.508							
% RSD	5.489	.9925	5.731							
Rep #1	101.1	25.67	8.876							
Rep #2	112.8	25.94	9.370							
Rep #3	108.1	26.19	8.353							
4	Cal: STD 3 08/01/2016 07:42:29 IR DMP 160108: SANGRE,UÑA Y PELO:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203			
Línea	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	16.27	415.1	53.03	29.46	148.2	91.65	30.94			
Desv. Est.	.54	4.8	.43	2.28	5.4	1.08	.63			
% RSD	3.340	1.157	.8187	7.741	3.655	1.175	2.028			
Rep #1	16.35	419.8	53.03	30.89	153.7	91.86	31.27			
Rep #2	15.69	415.2	53.46	26.83	142.9	92.61	31.33			
Rep #3	16.77	410.2	52.59	30.66	148.0	90.49	30.22			
5	Cal: STD 4 08/01/2016 07:44:52 IR DMP 160108: SANGRE,UÑA Y PELO:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138		
Línea	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45		
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s		
Media	38.86	1019.	112.7	68.81	366.9	224.3	75.13	935.4		
Desv. Est.	.24	2.	.4	1.74	2.5	.4	1.74	4.9		
% RSD	.6115	.2220	.3302	2.530	.6762	.1713	2.314	.5223		
Rep #1	38.88	1017.	112.6	67.48	369.6	224.1	73.41	930.2		
Rep #2	39.09	1019.	113.1	68.17	366.4	224.7	75.09	936.3		
Rep #3	38.62	1022.	112.4	70.78	364.6	224.0	76.88	939.9		
6	Cal: STD 5 08/01/2016 07:47:16 IR DMP 160108: SANGRE,UÑA Y PELO:									

11	Unk: BLANCO 08/01/2016 08:01:08 CONC DMP 160108: SANGRE,UÑA Y PELO:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	<.0000	.0003	.0034	.0058	.0024	.0057	.0036	.0040	.0041	
Desv. Est.	.0146	.0028	.0017	.0062	.0066	.0067	.0018	.0016	.0018	
% RSD	257.1	921.7	50.37	106.6	273.5	117.3	50.21	39.89	43.22	
Rep #1	.0089	-.0018	.0033	.0126	.0101	.0134	.0028	.0051	.0039	
Rep #2	-.0204	-.0008	.0051	.0043	-.0018	.0021	.0057	.0047	.0059	
Rep #3	-.0055	.0035	.0017	.0005	-.0010	.0016	.0023	.0022	.0024	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
12	Unk: RECUPERACION 08/01/2016 08:03:33 CONC x100 DMP 160108: SANGRE,UÑA Y PELO:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	38.02	44.85	41.03	38.45	41.56	39.96	40.09	43.00	44.88	
Desv. Est.	.59	.20	.32	.21	.17	.16	.36	.38	.39	
% RSD	1.540	.4495	.7724	.5535	.4004	.4030	.9000	.8902	.8734	
Rep #1	37.35	44.98	40.71	38.66	41.54	40.00	39.84	42.64	44.49	
Rep #2	38.31	44.96	41.35	38.47	41.74	40.09	40.50	43.40	45.28	
Rep #3	38.41	44.62	41.02	38.23	41.41	39.78	39.92	42.95	44.88	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
13	Blanco: REACTIVO 08/01/2016 08:06:02 CONC x100 DMP 160108: SANGRE,UÑA Y PELO:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	-1.936	-.1323	.1353	-.0411	22.63	.1817	.2175	.1262	16.34	
Desv. Est.	.081	.0673	.0573	.2537	.36	.0876	.0312	.1626	.11	
% RSD	4.198	50.86	42.35	617.4	1.594	48.24	14.36	128.8	.6944	
Rep #1	-2.019	-.1149	.0911	-.0240	23.03	.0909	.2003	.0213	16.23	
Rep #2	-1.856	-.0755	.1147	-.3029	22.32	.2658	.1986	.0439	16.34	
Rep #3	-1.934	-.2067	.2000	.2036	22.56	.1883	.2535	.3135	16.45	
Comprobació										
Valor										
Intervalo										
14	Unk: GISC15-22260 08/01/2016 08:09:08 CONC x92.183 DMP 160108: SANGRE,UÑA Y PELO:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	203.9	1.444	<.0000	3.124	496.4	16.20	.0467	.3256	158.2	
Desv. Est.	5.0	.072	.0134	.165	4.3	.04	.0395	.1701	.6	
% RSD	2.443	4.986	19.12	5.266	.8578	.2229	84.54	52.23	.3951	
Rep #1	201.4	1.525	-.0662	3.308	498.9	16.24	.0268	.2896	158.8	
Rep #2	200.7	1.388	-.0587	2.990	491.5	16.19	.0211	.1764	158.3	
Rep #3	209.7	1.418	-.0847	3.074	498.9	16.17	.0922	.5107	157.6	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
15	Unk: GISC15-22261 08/01/2016 08:11:45 CONC x211.86 DMP 160108: SANGRE,UÑA Y PELO:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	

Media	218.8	1.624	<.0000	5.624	219.5	12.58	.2799	1.055	102.5
Desv. Est.	7.2	.224	.0164	.514	2.9	.10	.0706	.245	.3
% RSD	3.310	13.77	18.75	9.135	1.318	.7774	25.21	23.23	.3200
Rep #1	227.0	1.629	-.1018	5.620	221.5	12.50	.2230	1.266	102.2
Rep #2	216.2	1.845	-.0696	6.140	220.8	12.69	.2579	1.113	102.7
Rep #3	213.2	1.398	-.0913	5.113	216.2	12.57	.3589	.7863	102.8
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
20	Unk: GISC15-22267 08/01/2016 08:30:16 CONC x98.58 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	4.208	.3995	<.0000	.4103	439.3	<.0000	<.0000	<.0000	<.0000
Desv. Est.	1.298	.0218	.0054	.2102	2.1	.0471	.0371	.0938	.0367
% RSD	30.86	5.459	6.470	51.23	.4730	39.81	16.08	42.50	.2948
Rep #1	5.234	.3953	-.0901	.1941	440.1	-.1145	-.2023	-.2859	-12.42
Rep #2	4.642	.4231	-.0807	.4227	440.8	-.0731	-.2726	-.2627	-12.44
Rep #3	2.748	.3801	-.0806	.6140	436.9	-.1671	-.2170	-.1132	-12.49
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
21	QC: QC 08/01/2016 08:37:21 CONC DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4460	.4530	.4256	.4331	.4500	.4413	.4202	.4327	.4547
Desv. Est.	.0172	.0007	.0005	.0026	.0032	.0012	.0011	.0023	.0013
% RSD	3.859	.1484	.1258	.6002	.7103	.2622	.2549	.5261	.2899
Rep #1	.4658	.4537	.4250	.4349	.4522	.4407	.4192	.4307	.4533
Rep #2	.4351	.4526	.4260	.4301	.4514	.4405	.4202	.4322	.4547
Rep #3	.4369	.4525	.4258	.4342	.4463	.4426	.4213	.4352	.4560
Comprobació	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
22	Unk: GISC15-22269 08/01/2016 08:40:03 CONC x117.26 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	163.1	1.967	<.0000	4.572	141.7	24.04	<.0000	1.004	96.55
Desv. Est.	5.0	.207	.0180	.656	2.6	.46	.0571	.125	1.08
% RSD	3.056	10.53	20.81	14.35	1.815	1.904	106.7	12.39	1.113
Rep #1	167.9	1.883	-.0981	4.986	142.5	23.96	-.1188	.9152	96.42
Rep #2	163.3	1.816	-.0659	3.816	138.8	23.64	-.0287	.9512	97.68
Rep #3	158.0	2.203	-.0961	4.915	143.7	24.54	-.0130	1.147	95.55
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
23	Unk: GISC15-22273 08/01/2016 08:42:28 CONC x191.28 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	603.9	1.803	.0391	7.823	651.3	57.93	.4570	2.851	54.75

Desv. Est.	13.8	.044	.0026	.617	11.4	.79	.0664	.284	.53
% RSD	2.289	2.449	6.596	7.883	1.743	1.356	14.54	9.964	.9723
Rep #1	593.7	1.833	.0393	7.441	643.2	57.31	.4860	2.847	55.04
Rep #2	619.6	1.824	.0416	7.494	664.3	58.81	.5040	2.569	55.07
Rep #3	598.4	1.753	.0364	8.535	646.5	57.68	.3810	3.137	54.13
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
24	Unk: GISC15-22274 08/01/2016 08:44:50 CONC x98.193 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	269.0	1.691	.0584	8.118	190.9	36.63	.0526	.5433	83.85
Desv. Est.	11.5	.408	.0084	.206	7.6	.16	.0091	.1786	.63
% RSD	4.259	24.11	14.34	2.537	3.994	.4470	17.35	32.87	.7485
Rep #1	282.2	1.591	.0666	8.234	199.7	36.71	.0561	.7327	83.37
Rep #2	262.0	1.342	.0588	7.880	186.2	36.45	.0595	.5195	83.62
Rep #3	262.8	2.139	.0498	8.240	186.7	36.74	.0423	.3779	84.56
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
25	Unk: GISC15-22277 08/01/2016 08:47:07 CONC x98.367 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	336.3	1.943	.0323	8.370	343.6	59.70	.3996	4.158	85.95
Desv. Est.	9.6	.180	.0063	.352	5.2	.35	.0144	.081	.49
% RSD	2.851	9.262	19.51	4.202	1.510	.5902	3.593	1.937	.5659
Rep #1	347.1	1.850	.0324	7.976	349.5	60.09	.4138	4.165	85.40
Rep #2	328.9	2.151	.0386	8.481	341.5	59.42	.3999	4.235	86.14
Rep #3	332.9	1.829	.0260	8.652	339.8	59.58	.3851	4.075	86.32
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
26	Unk: GISC15-22279 08/01/2016 08:49:38 CONC x283.13 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	453.6	1.656	<.0000	4.450	725.0	19.38	.3127	.6907	197.2
Desv. Est.	9.7	.534	.0036	.457	10.9	.51	.1033	.2167	3.2
% RSD	2.139	32.23	13.63	10.27	1.501	2.636	33.03	31.37	1.617
Rep #1	460.2	1.268	-.0253	4.799	731.4	19.91	.4313	.6687	200.2
Rep #2	458.2	2.264	-.0230	4.619	731.3	19.33	.2421	.4859	197.7
Rep #3	442.5	1.434	-.0300	3.933	712.5	18.89	.2648	.9175	193.8
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
27	Unk: GISC15-22280 08/01/2016 08:51:56 CONC x95.712 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	182.1	1.907	<.0000	4.968	176.4	15.12	<.0000	<.0000	53.77
Desv. Est.	13.3	.057	.0141	.521	16.7	1.14	.0592	.0996	.26

% RSD	7.316	3.003	23.13	10.48	9.474	7.507	307.8	160.8	.4756
Rep #1	166.7	1.900	-.0458	4.378	157.3	13.86	-.0045	.0019	53.80
Rep #2	188.8	1.853	-.0642	5.166	188.5	16.07	.0312	-.1767	54.02
Rep #3	190.7	1.967	-.0736	5.362	183.3	15.42	-.0844	-.0110	53.51
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
28	Unk: GISC15-22281 08/01/2016 08:54:17 CONC x89.734 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	4166.	5.020	.5353	13.18	4742.	162.0	3.704	4.863	68.02
Desv. Est.	19.	.099	.0113	.25	27.	.7	.027	.027	.06
% RSD	.4553	1.967	2.103	1.862	.5637	.4400	.7282	.5594	.0850
Rep #1	4186.	5.014	.5349	13.00	4767.	162.8	3.716	4.886	67.96
Rep #2	4164.	5.122	.5467	13.08	4746.	161.9	3.673	4.833	68.08
Rep #3	4148.	4.925	.5242	13.46	4714.	161.4	3.722	4.869	68.01
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
29	Unk: GISC15-22285 08/01/2016 08:57:18 CONC x66.033 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	301.6	1.819	<.0000	7.550	236.8	10.98	.1011	.7697	78.55
Desv. Est.	6.3	.102	.0102	.178	.8	.11	.0162	.0495	1.45
% RSD	2.075	5.604	12.07	2.361	.3525	.9575	16.06	6.436	1.844
Rep #1	295.3	1.936	-.0963	7.416	237.2	11.02	.0915	.8174	79.69
Rep #2	301.8	1.766	-.0774	7.752	237.3	11.06	.0920	.7185	79.05
Rep #3	307.8	1.754	-.0801	7.482	235.8	10.86	.1199	.7731	76.92
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
30	Unk: GISC15-22289 08/01/2016 08:59:45 CONC x224.22 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	183.4	1.911	<.0000	4.622	144.8	16.46	.1081	.3173	46.79
Desv. Est.	2.6	.608	.0313	.145	.7	.16	.0484	.0515	.46
% RSD	1.425	31.81	29.09	3.140	.4602	.9484	44.73	16.22	.9852
Rep #1	181.7	1.483	-.0881	4.454	145.0	16.28	.1026	.3515	46.47
Rep #2	182.0	1.644	-.0910	4.697	144.1	16.58	.1590	.2581	47.32
Rep #3	186.4	2.607	-.1437	4.714	145.4	16.52	.0628	.3423	46.58
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
31	Unk: GISC15-22290 08/01/2016 09:02:14 CONC x67.953 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1577.	2.349	.1618	10.41	1895.	68.60	1.213	1.965	86.59
Desv. Est.	18.	.151	.0079	.34	19.	.46	.045	.118	.53
% RSD	1.116	6.429	4.895	3.296	.9800	.6769	3.688	6.030	.6084

Rep #1	1597.	2.400	.1674	10.69	1916.	69.14	1.191	1.988	87.18
Rep #2	1570.	2.179	.1528	10.51	1890.	68.36	1.183	2.070	86.42
Rep #3	1564.	2.469	.1654	10.03	1880.	68.31	1.264	1.836	86.17
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
32	QC: QC 08/01/2016 09:09:39 CONC DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4364	.4489	.4221	.4322	.4481	.4366	.4165	.4327	.4522
Desv. Est.	.0151	.0023	.0025	.0048	.0050	.0020	.0018	.0013	.0018
% RSD	3.462	.5235	.5829	1.113	1.126	.4547	.4346	.3010	.4022
Rep #1	.4389	.4461	.4233	.4374	.4424	.4380	.4179	.4320	.4536
Rep #2	.4202	.4504	.4237	.4280	.4500	.4343	.4171	.4342	.4529
Rep #3	.4501	.4501	.4192	.4312	.4520	.4375	.4145	.4319	.4502
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
33	Unk: GISC15-22291 08/01/2016 09:11:40 CONC x117.7 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	216.2	1.551	.0235	8.461	195.2	40.42	.4281	2.297	82.01
Desv. Est.	10.2	.353	.0129	.493	2.1	.66	.0581	.089	1.67
% RSD	4.728	22.74	55.09	5.830	1.073	1.645	13.56	3.889	2.030
Rep #1	222.7	1.586	.0105	8.563	194.5	39.74	.3642	2.271	80.16
Rep #2	221.6	1.885	.0364	7.925	197.6	40.45	.4423	2.397	82.47
Rep #3	204.4	1.182	.0236	8.896	193.6	41.07	.4777	2.224	83.39
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
34	Unk: GISC15-22294 08/01/2016 09:14:02 CONC x110.33 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	157.6	1.700	.0449	7.162	397.1	52.41	.0665	3.159	140.3
Desv. Est.	13.3	.116	.0094	.594	3.2	.93	.0339	.089	.9
% RSD	8.455	6.834	20.92	8.291	.8011	1.765	51.03	2.825	.6148
Rep #1	152.5	1.572	.0476	7.592	395.3	52.32	.0627	3.179	140.2
Rep #2	172.7	1.798	.0344	6.484	395.2	51.53	.0346	3.061	141.2
Rep #3	147.6	1.730	.0525	7.409	400.7	53.37	.1022	3.236	139.5
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
35	Unk: GISC15-22302 08/01/2016 09:16:25 CONC x98.116 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	378.2	1.702	<.0000	7.588	434.8	20.84	.2914	1.088	126.1
Desv. Est.	6.7	.315	.0028	.190	6.7	.29	.0433	.037	.7
% RSD	1.763	18.49	4.387	2.506	1.540	1.372	14.86	3.395	.5862
Rep #1	385.8	1.997	-.0631	7.531	440.7	21.16	.2888	1.131	127.0

Rep #2	375.3	1.371	-.0619	7.432	436.1	20.75	.3360	1.063	125.7
Rep #3	373.4	1.737	-.0673	7.799	427.5	20.60	.2495	1.072	125.7
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
36	Unk: GISC15-22308 08/01/2016 09:18:53 CONC x98.561 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	596.5	1.564	.1412	8.917	567.9	79.61	.4484	6.223	78.19
Desv. Est.	10.4	.052	.0177	.138	6.8	1.16	.0420	.081	.78
% RSD	1.739	3.296	12.51	1.544	1.194	1.454	9.369	1.296	.9996
Rep #1	608.4	1.535	.1529	9.070	575.0	80.57	.4960	6.147	78.89
Rep #2	591.7	1.624	.1499	8.877	567.3	79.94	.4322	6.213	78.34
Rep #3	589.4	1.534	.1209	8.803	561.5	78.33	.4168	6.308	77.35
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
37	Unk: GISC15-22310 08/01/2016 09:21:19 CONC x96.246 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	380.8	1.312	.0584	8.222	329.3	37.80	.3637	3.031	89.36
Desv. Est.	9.7	.183	.0081	.064	2.2	.22	.0143	.028	.77
% RSD	2.545	13.93	13.93	.7722	.6577	.5749	3.944	.9197	.8647
Rep #1	373.2	1.157	.0636	8.246	327.8	37.99	.3625	3.044	90.20
Rep #2	377.5	1.513	.0626	8.270	328.4	37.85	.3500	2.999	89.21
Rep #3	391.7	1.265	.0490	8.150	331.8	37.56	.3786	3.050	88.68
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
38	Unk: GISC15-22312 08/01/2016 09:23:40 CONC x63.179 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	48.29	.6229	<.0000	3.397	23.40	20.38	<.0000	.0643	41.35
Desv. Est.	1.27	.1232	.0021	.338	.69	.17	.0471	.0345	.02
% RSD	2.634	19.78	1.626	9.963	2.946	.8442	24.56	53.62	.0590
Rep #1	48.92	.7164	-.1291	3.779	23.46	20.55	-.1380	.0542	41.32
Rep #2	49.13	.4833	-.1293	3.274	24.06	20.36	-.2256	.0360	41.37
Rep #3	46.82	.6691	-.1329	3.137	22.69	20.21	-.2119	.1027	41.34
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
39	Unk: GISC15-22313 08/01/2016 09:26:02 CONC x126.36 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	333.8	3.310	<.0000	7.621	340.3	20.11	.0744	.4566	195.0
Desv. Est.	2.3	.409	.0096	.156	4.0	.08	.0572	.1726	.8
% RSD	.6946	12.35	15.49	2.040	1.171	.3797	76.77	37.80	.4290
Rep #1	335.2	2.838	-.0578	7.504	337.3	20.11	.0091	.5892	194.7
Rep #2	331.2	3.548	-.0727	7.561	338.8	20.04	.1150	.5192	194.4

Rep #3	335.2	3.543	-.0548	7.798	344.8	20.19	.0992	.2614	196.0
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
40	Unk: GISC15-22318 08/01/2016 09:28:37 CONC x83.949 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	109.2	1.630	<.0000	4.897	75.56	21.27	<.0000	.0597	58.28
Desv. Est.	.6	.176	.0020	.328	1.14	.11	.0039	.0760	.58
% RSD	.5499	10.79	1.818	6.691	1.505	.5130	3.874	127.2	.9945
Rep #1	109.1	1.824	-.1108	5.275	75.55	21.21	-.0964	.1397	58.25
Rep #2	109.8	1.587	-.1073	4.705	74.42	21.20	-.1006	.0512	58.87
Rep #3	108.6	1.480	-.1107	4.711	76.70	21.39	-.1041	-.0116	57.71
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
41	Unk: GISC15-22323 08/01/2016 09:30:59 CONC x62.547 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	221.3	1.993	<.0000	4.587	131.5	13.97	<.0000	.3182	50.54
Desv. Est.	8.8	.084	.0056	.241	4.0	.32	.0182	.1041	.37
% RSD	3.981	4.227	7.842	5.261	3.071	2.258	43.99	32.73	.7402
Rep #1	227.9	2.017	-.0704	4.807	134.5	14.23	-.0623	.3230	50.97
Rep #2	211.3	2.063	-.0671	4.624	126.9	14.05	-.0292	.4198	50.37
Rep #3	224.7	1.900	-.0781	4.329	133.1	13.62	-.0327	.2117	50.28
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
42	Unk: GISC15-22325 08/01/2016 09:33:22 CONC x182.35 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	486.7	2.099	<.0000	5.108	411.5	35.61	.3885	2.231	81.85
Desv. Est.	4.4	.163	.0306	.851	2.5	.28	.0527	.227	.21
% RSD	.9108	7.750	73.10	16.65	.6155	.7777	13.56	10.19	.2508
Rep #1	489.6	1.942	-.0072	5.236	414.4	35.93	.3437	2.039	82.01
Rep #2	488.8	2.267	-.0650	5.887	410.3	35.47	.3752	2.482	81.62
Rep #3	481.5	2.088	-.0533	4.200	409.7	35.44	.4465	2.171	81.92
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
43	QC: QC 08/01/2016 09:40:59 CONC DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4266	.4476	.4172	.4206	.4309	.4220	.4103	.4287	.4467
Desv. Est.	.0167	.0040	.0007	.0017	.0073	.0047	.0004	.0010	.0015
% RSD	3.912	.9016	.1612	.3957	1.690	1.104	.0899	.2305	.3361
Rep #1	.4424	.4502	.4179	.4205	.4351	.4263	.4104	.4298	.4481
Rep #2	.4092	.4497	.4172	.4223	.4351	.4226	.4106	.4280	.4469
Rep #3	.4282	.4430	.4165	.4190	.4225	.4170	.4099	.4284	.4451

Valor									
Intervalo									
48	Unk: GISC15-22340 08/01/2016 09:51:48 CONC x98.619 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	227.4	1.527	<.0000	4.310	200.4	9.323	.1844	.5939	69.80
Desv. Est.	11.6	.168	.0101	.285	.8	.111	.0707	.1637	.54
% RSD	5.110	11.00	7.353	6.619	.4140	1.188	38.35	27.56	.7778
Rep #1	221.8	1.501	-.1359	4.179	199.8	9.400	.1616	.7016	70.43
Rep #2	219.5	1.374	-.1290	4.637	200.2	9.373	.2638	.6746	69.46
Rep #3	240.7	1.707	-.1490	4.114	201.4	9.196	.1279	.4056	69.52
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
49	Unk: GISC15-22342 08/01/2016 09:54:11 CONC x98.814 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	206.9	1.624	<.0000	8.506	178.1	32.38	.2386	.7403	74.69
Desv. Est.	10.2	.073	.0091	.322	4.7	.17	.0111	.0400	.28
% RSD	4.949	4.524	19.60	3.780	2.655	.5114	4.669	5.398	.3695
Rep #1	210.4	1.706	-.0370	8.770	179.7	32.38	.2269	.7099	74.74
Rep #2	195.3	1.600	-.0477	8.148	172.8	32.21	.2398	.7856	74.39
Rep #3	214.9	1.565	-.0552	8.599	181.8	32.54	.2491	.7254	74.93
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
50	Unk: GISC15-22345 08/01/2016 09:56:27 CONC x99.128 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	601.7	1.458	.1609	11.39	702.5	44.46	.3809	2.143	95.93
Desv. Est.	5.1	.098	.0037	.24	3.7	.16	.0210	.010	.63
% RSD	.8537	6.730	2.322	2.064	.5235	.3644	5.520	.4563	.6522
Rep #1	604.7	1.571	.1647	11.12	704.0	44.37	.4016	2.142	95.73
Rep #2	595.8	1.413	.1607	11.50	698.3	44.37	.3595	2.154	95.43
Rep #3	604.7	1.391	.1573	11.55	705.2	44.65	.3817	2.134	96.63
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
51	Unk: GISC15-22347 08/01/2016 09:58:52 CONC x95.057 DMP 160108: SANGRE,UÑA Y PELO:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	216.9	1.532	.0657	5.342	191.9	51.71	.1786	1.072	75.99
Desv. Est.	3.6	.235	.0125	.550	9.4	2.19	.0290	.008	.51
% RSD	1.675	15.34	19.03	10.29	4.915	4.239	16.26	.7625	.6751
Rep #1	212.7	1.276	.0514	4.854	181.0	49.21	.2107	1.068	76.40
Rep #2	219.0	1.582	.0713	5.937	197.8	53.32	.1707	1.081	75.42
Rep #3	219.0	1.738	.0745	5.234	196.9	52.60	.1543	1.066	76.16
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									

Intervalo										
52	Unk: GISC15-22350 08/01/2016 10:01:24 CONC x96.956 DMP 160108: SANGRE,UÑA Y PELO:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	239.7	1.757	.0158	11.26	209.7	31.39	.1247	51.15	109.7	
Desv. Est.	9.0	.122	.0060	.56	2.6	.21	.0155	.63	1.3	
% RSD	3.754	6.957	38.08	4.973	1.218	.6593	12.42	1.229	1.192	
Rep #1	231.7	1.886	.0089	10.62	206.8	31.19	.1407	50.45	108.3	
Rep #2	237.8	1.642	.0181	11.64	211.0	31.36	.1098	51.32	110.0	
Rep #3	249.5	1.742	.0202	11.52	211.4	31.61	.1237	51.67	110.9	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
53	Unk: GISC15-22353 08/01/2016 10:03:50 CONC x99.364 DMP 160108: SANGRE,UÑA Y PELO:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	269.7	1.439	.0247	12.98	145.6	63.67	.0323	.2717	158.5	
Desv. Est.	6.7	.196	.0025	.09	.3	.18	.0425	.0861	.8	
% RSD	2.498	13.59	10.05	.6753	.2307	.2884	131.3	31.68	.5245	
Rep #1	277.3	1.307	.0260	12.97	145.8	63.66	-.0166	.3675	158.8	
Rep #2	264.3	1.664	.0262	13.08	145.2	63.49	.0591	.2008	159.1	
Rep #3	267.7	1.347	.0218	12.90	145.8	63.86	.0545	.2469	157.5	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
54	QC: QC 08/01/2016 10:09:17 CONC DMP 160108: SANGRE,UÑA Y PELO:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.3959	.4432	.4116	.4039	.4276	.4142	.4056	.4239	.4414	
Desv. Est.	.0231	.0054	.0012	.0074	.0016	.0005	.0012	.0010	.0008	
% RSD	5.844	1.207	.2859	1.823	.3684	.1276	.2914	.2315	.1783	
Rep #1	.4220	.4404	.4110	.4104	.4265	.4146	.4055	.4241	.4405	
Rep #2	.3879	.4399	.4109	.3959	.4294	.4144	.4045	.4229	.4415	
Rep #3	.3779	.4494	.4130	.4053	.4270	.4136	.4069	.4248	.4421	
Comprobació	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor										
Intervalo										
55	Unk: GISC15-22356 08/01/2016 10:11:24 CONC x98.814 DMP 160108: SANGRE,UÑA Y PELO:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	124.4	1.459	<.0000	5.733	71.88	17.35	<.0000	28.71	88.90	
Desv. Est.	2.0	.180	.0013	.193	4.05	.43	.0320	.10	.76	
% RSD	1.577	12.34	1.566	3.372	5.635	2.488	48.65	.3445	.8531	
Rep #1	126.3	1.355	-.0824	5.951	76.49	17.79	-.0822	28.82	89.76	
Rep #2	124.4	1.356	-.0812	5.582	70.31	17.35	-.0289	28.69	88.58	
Rep #3	122.4	1.667	-.0798	5.667	68.86	16.92	-.0862	28.62	88.34	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										

1	Cal: Blanco 11/01/2016 12:30:41 IR D Hg-160111: SANGRE,UÑA Y PELO:
	Hg1942
Unidades	Cts/s
Media	.2442
Desv. Est.	2.865
% RSD	1173.
Rep #1	1.342
Rep #2	2.398
Rep #3	-3.007
2	Cal: STD 1 11/01/2016 12:32:50 IR D Hg-160111: SANGRE,UÑA Y PELO:
	Hg1942
Unidades	Cts/s
Media	66.69
Desv. Est.	1.38
% RSD	2.075
Rep #1	68.15
Rep #2	66.53
Rep #3	65.40
3	Cal: STD 2 11/01/2016 12:34:09 IR D Hg-160111: SANGRE,UÑA Y PELO:
	Hg1942
Unidades	Cts/s
Media	199.6
Desv. Est.	2.4
% RSD	1.220
Rep #1	197.1
Rep #2	199.9
Rep #3	202.0
4	Cal: STD 3 11/01/2016 12:36:11 IR D Hg-160111: SANGRE,UÑA Y PELO:
	Hg1942
Unidades	Cts/s
Media	333.2
Desv. Est.	6.1
% RSD	1.844
Rep #1	326.5
Rep #2	334.7
Rep #3	338.5
5	Cal: STD 4 11/01/2016 12:37:36 IR D Hg-160111: SANGRE,UÑA Y PELO:
	Hg1942
Unidades	Cts/s
Media	680.1
Desv. Est.	8.1
% RSD	1.184
Rep #1	672.7
Rep #2	679.0
Rep #3	688.7
6	QC: QC 11/01/2016 12:39:12 CONC D Hg-160111: SANGRE,UÑA Y PELO:
	Hg1942
Línea	194.227 (47
Unidades	mg/kg
Media	.0051
Desv. Est.	.0000

% RSD	.3527
Rep #1	.0051
Rep #2	.0051
Rep #3	.0051
Comprobación	Pasa Comp
Valor	
Intervalo	
7	Unk: BLANCO 11/01/2016 12:40:40 CONC D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0000
Desv. Est.	.0000
% RSD	71.64
Rep #1	.0000
Rep #2	.0000
Rep #3	.0000
8	Unk: RECUPERACION 11/01/2016 12:42:23 CONC x100 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.4456
Desv. Est.	.0404
% RSD	9.057
Rep #1	.3991
Rep #2	.4654
Rep #3	.4722
9	Blanco: REACTIVO 11/01/2016 12:46:31 CONC x100 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0004
Desv. Est.	.0004
% RSD	108.6
Rep #1	-.0009
Rep #2	-.0001
Rep #3	-.0002
10	Unk: GISC15-22260 11/01/2016 12:48:18 CONC x92.183 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0215
Desv. Est.	.0020
% RSD	9.298
Rep #1	-.0229
Rep #2	-.0225
Rep #3	-.0192
11	Unk: GISC15-22261 11/01/2016 12:49:51 CONC x211.86 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0373

Desv. Est.	.0043
% RSD	11.50
Rep #1	-.0406
Rep #2	-.0324
Rep #3	-.0389
12	Unk: GISC15-22262 11/01/2016 12:51:15 CONC x129.07 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0086
Desv. Est.	.0012
% RSD	14.49
Rep #1	-.0092
Rep #2	-.0094
Rep #3	-.0072
13	Unk: GISC15-22264 11/01/2016 12:52:44 CONC x314.47 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0312
Desv. Est.	.0053
% RSD	17.00
Rep #1	-.0325
Rep #2	-.0254
Rep #3	-.0358
14	Unk: GISC15-22265 11/01/2016 12:54:03 CONC x102.84 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0398
Desv. Est.	.0011
% RSD	2.651
Rep #1	-.0402
Rep #2	-.0406
Rep #3	-.0386
15	Unk: GISC15-22266 11/01/2016 12:55:22 CONC x292.4 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0307
Desv. Est.	.0036
% RSD	11.65
Rep #1	-.0291
Rep #2	-.0348
Rep #3	-.0281
16	QC: QC 11/01/2016 12:55:39 CONC D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0050
Desv. Est.	.0001
% RSD	1.007

Rep #1	.0051
Rep #2	.0050
Rep #3	.0050
Comprobación	Pasa Comp
Valor	
Intervalo	
17	Unk: GISC15-22267 11/01/2016 12:57:04 CONC x98.58 D.H. 160111: CANOE LUÑA Y BELLO Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0080
Desv. Est.	.0015
% RSD	19.28
Rep #1	-.0079
Rep #2	-.0096
Rep #3	-.0065
18	Unk: GISC15-22269 11/01/2016 12:58:24 CONC x117.26 D.H. 160111: CANOE LUÑA Y BELLO Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0405
Desv. Est.	.0017
% RSD	4.107
Rep #1	-.0420
Rep #2	-.0408
Rep #3	-.0387
19	Unk: GISC15-22273 11/01/2016 12:59:50 CONC x191.28 D.H. 160111: CANOE LUÑA Y BELLO Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0309
Desv. Est.	.0019
% RSD	6.248
Rep #1	-.0332
Rep #2	-.0300
Rep #3	-.0297
20	Unk: GISC15-22274 11/01/2016 13:01:12 CONC x98.193 D.H. 160111: CANOE LUÑA Y BELLO Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0459
Desv. Est.	.0013
% RSD	2.880
Rep #1	-.0468
Rep #2	-.0465
Rep #3	-.0444
21	Unk: GISC15-22277 11/01/2016 13:02:34 CONC x98.367 D.H. 160111: CANOE LUÑA Y BELLO Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0285
Desv. Est.	.0017

% RSD	6.098
Rep #1	-.0302
Rep #2	-.0268
Rep #3	-.0284
22	Unk: GISC15-22279 11/01/2016 13:04:02 CONC x283.13 D.H. 160111: CANOBE UÑA Y DEL O: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0746
Desv. Est.	.0035
% RSD	4.628
Rep #1	-.0778
Rep #2	-.0710
Rep #3	-.0751
23	Unk: GISC15-22280 11/01/2016 13:05:17 CONC x95.712 D.H. 160111: CANOBE UÑA Y DEL O: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0253
Desv. Est.	.0026
% RSD	10.22
Rep #1	-.0253
Rep #2	-.0228
Rep #3	-.0279
24	Unk: GISC15-22281 11/01/2016 13:06:35 CONC x89.734 D.H. 160111: CANOBE UÑA Y DEL O: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0186
Desv. Est.	.0025
% RSD	13.41
Rep #1	-.0213
Rep #2	-.0165
Rep #3	-.0179
25	Unk: GISC15-22285 11/01/2016 13:07:56 CONC x66.033 D.H. 160111: CANOBE UÑA Y DEL O: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0230
Desv. Est.	.0001
% RSD	.5773
Rep #1	-.0232
Rep #2	-.0230
Rep #3	-.0229
26	Unk: GISC15-22289 11/01/2016 13:09:11 CONC x224.22 D.H. 160111: CANOBE UÑA Y DEL O: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0704
Desv. Est.	.0036
% RSD	5.155
Rep #1	-.0706

Rep #2	-0667
Rep #3	-0740
27	Unk: GISC15-22290 11/01/2016 13:10:30 CONC x67.953 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0239
Desv. Est.	.0013
% RSD	5.627
Rep #1	-0225
Rep #2	-0251
Rep #3	-0242
28	QC: QC 11/01/2016 13:13:53 CONC D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0051
Desv. Est.	.0000
% RSD	.6930
Rep #1	.0051
Rep #2	.0050
Rep #3	.0051
Comprobación	Pasa Comp
Valor	
Intervalo	
29	Unk: GISC15-22291 11/01/2016 13:15:00 CONC x117.7 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0284
Desv. Est.	.0013
% RSD	4.520
Rep #1	-0296
Rep #2	-0270
Rep #3	-0286
30	Unk: GISC15-22294 11/01/2016 13:16:15 CONC x110.33 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0437
Desv. Est.	.0007
% RSD	1.586
Rep #1	-0432
Rep #2	-0433
Rep #3	-0445
31	Unk: GISC15-22302 11/01/2016 13:17:41 CONC x98.116 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0322
Desv. Est.	.0024
% RSD	7.451

Rep #1	-0348
Rep #2	-0316
Rep #3	-0301
32	Unk: GISC15-22308 11/01/2016 13:18:41 CONC x98.561 D:\160111- CANCER UÑA Y PIEL Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0332
Desv. Est.	.0016
% RSD	4.852
Rep #1	-0331
Rep #2	-0316
Rep #3	-0348
33	Unk: GISC15-22310 11/01/2016 13:20:35 CONC x115.26 D:\160111- CANCER UÑA Y PIEL Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0202
Desv. Est.	.0010
% RSD	5.168
Rep #1	-0202
Rep #2	-0192
Rep #3	-0213
34	Unk: GISC15-22312 11/01/2016 13:21:54 CONC x96.246 D:\160111- CANCER UÑA Y PIEL Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0314
Desv. Est.	.0012
% RSD	3.868
Rep #1	-0325
Rep #2	-0301
Rep #3	-0315
35	Unk: GISC15-22313 11/01/2016 13:23:09 CONC x63.179 D:\160111- CANCER UÑA Y PIEL Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0201
Desv. Est.	.0018
% RSD	9.170
Rep #1	-0197
Rep #2	-0185
Rep #3	-0221
36	Unk: GISC15-22318 11/01/2016 13:24:35 CONC x83.949 D:\160111- CANCER UÑA Y PIEL Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0224
Desv. Est.	.0018
% RSD	8.206
Rep #1	-0233
Rep #2	-0203

Rep #3	-0237
37	Unk: GISC15-22323 11/01/2016 13:26:03 CONC x62.547 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0286
Desv. Est.	.0010
% RSD	3.416
Rep #1	-.0276
Rep #2	-.0286
Rep #3	-.0295
38	Unk: GISC15-22325 11/01/2016 13:27:30 CONC x182.35 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0459
Desv. Est.	.0014
% RSD	2.988
Rep #1	-.0474
Rep #2	-.0448
Rep #3	-.0453
39	QC: QC 11/01/2016 13:29:21 CONC D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0051
Desv. Est.	.0001
% RSD	1.283
Rep #1	.0051
Rep #2	.0051
Rep #3	.0050
Comprobación	Pasa Comp
Valor	
Intervalo	
40	Unk: GISC15-22326 11/01/2016 13:30:59 CONC x64.119 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0147
Desv. Est.	.0005
% RSD	3.359
Rep #1	-.0151
Rep #2	-.0141
Rep #3	-.0149
41	Unk: GISC15-22331 11/01/2016 13:32:17 CONC x99.167 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0306
Desv. Est.	.0010
% RSD	3.367
Rep #1	-.0312

Rep #2	-0294
Rep #3	-0311
42	Unk: GISC15-22335 11/01/2016 13:34:09 CONC x98.039 DUE 160141: CANOBE UÑA Y BELLO Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0355
Desv. Est.	.0004
% RSD	1.216
Rep #1	-0355
Rep #2	-0351
Rep #3	-0360
43	Unk: GISC15-22338 11/01/2016 13:35:27 CONC x98.561 DUE 160141: CANOBE UÑA Y BELLO Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0360
Desv. Est.	.0032
% RSD	8.868
Rep #1	-0368
Rep #2	-0325
Rep #3	-0388
44	Unk: GISC15-22340 11/01/2016 13:36:47 CONC x98.619 DUE 160141: CANOBE UÑA Y BELLO Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0340
Desv. Est.	.0021
% RSD	6.214
Rep #1	-0347
Rep #2	-0356
Rep #3	-0316
45	Unk: GISC15-22342 11/01/2016 13:38:08 CONC x98.814 DUE 160141: CANOBE UÑA Y BELLO Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0305
Desv. Est.	.0011
% RSD	3.564
Rep #1	-0318
Rep #2	-0301
Rep #3	-0297
46	Unk: GISC15-22345 11/01/2016 13:39:32 CONC x99.128 DUE 160141: CANOBE UÑA Y BELLO Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0127
Desv. Est.	.0016
% RSD	12.62
Rep #1	-0145
Rep #2	-0117
Rep #3	-0119

47	Unk: GISC15-22347 11/01/2016 13:40:49 CONC x95.057 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0348
Desv. Est.	.0036
% RSD	10.26
Rep #1	-.0308
Rep #2	-.0376
Rep #3	-.0359
48	Unk: GISC15-22350 11/01/2016 13:42:18 CONC x96.956 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0422
Desv. Est.	.0013
% RSD	3.160
Rep #1	-.0412
Rep #2	-.0437
Rep #3	-.0417
49	Unk: GISC15-22353 11/01/2016 13:43:43 CONC x99.364 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0394
Desv. Est.	.0015
% RSD	3.926
Rep #1	-.0393
Rep #2	-.0410
Rep #3	-.0379
50	QC: QC 11/01/2016 13:45:46 CONC D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0051
Desv. Est.	.0001
% RSD	2.065
Rep #1	.0050
Rep #2	.0052
Rep #3	.0052
Comprobación	Pasa Comp
Valor	
Intervalo	
51	Unk: GISC15-22356 11/01/2016 13:47:23 CONC x99.265 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0285
Desv. Est.	.0029
% RSD	10.13
Rep #1	-.0252
Rep #2	-.0298

Rep #3	-0306
52	Unk: GISC15-22359 11/01/2016 13:48:54 CONC x98.814 DISE 100111: CANCER UÑA Y PIEL: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0279
Desv. Est.	.0018
% RSD	6.470
Rep #1	-.0261
Rep #2	-.0281
Rep #3	-.0297
53	Unk: GISC15-22362 11/01/2016 13:50:24 CONC x97.752 DISE 100111: CANCER UÑA Y PIEL: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0264
Desv. Est.	.0021
% RSD	7.855
Rep #1	-.0242
Rep #2	-.0268
Rep #3	-.0283
54	Unk: GISC15-22365 11/01/2016 13:51:54 CONC x99.463 DISE 100111: CANCER UÑA Y PIEL: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0201
Desv. Est.	.0005
% RSD	2.453
Rep #1	-.0196
Rep #2	-.0205
Rep #3	-.0201
55	Unk: GISC15-22368 11/01/2016 13:53:45 CONC x99.049 DISE 100111: CANCER UÑA Y PIEL: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0324
Desv. Est.	.0015
% RSD	4.494
Rep #1	-.0308
Rep #2	-.0328
Rep #3	-.0336
56	Unk: GISC15-22371 11/01/2016 13:55:05 CONC x96.488 DISE 100111: CANCER UÑA Y PIEL: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0309
Desv. Est.	.0016
% RSD	5.173
Rep #1	-.0309
Rep #2	-.0293
Rep #3	-.0325

57	Unk: GISC15-22374 11/01/2016 13:56:23 CONC x119.5 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0425
Desv. Est.	.0001
% RSD	.2398
Rep #1	-.0425
Rep #2	-.0426
Rep #3	-.0424
58	Unk: GISC15-22375 11/01/2016 13:57:44 CONC x670.24 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.1770
Desv. Est.	.0019
% RSD	1.085
Rep #1	-.1792
Rep #2	-.1762
Rep #3	-.1756
59	Unk: GISC15-22377 11/01/2016 13:59:10 CONC x98.795 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0398
Desv. Est.	.0025
% RSD	6.303
Rep #1	-.0395
Rep #2	-.0424
Rep #3	-.0374
60	Unk: GISC15-22378 11/01/2016 14:00:27 CONC x586.85 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.1922
Desv. Est.	.0113
% RSD	5.894
Rep #1	-.1807
Rep #2	-.1925
Rep #3	-.2033
61	QC: QC 11/01/2016 14:02:17 CONC D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0052
Desv. Est.	.0000
% RSD	.3059
Rep #1	.0051
Rep #2	.0051
Rep #3	.0052
Comprobació	Pasa Comp
Valor	

Intervalo	
62	Unk: GISC15-22380 11/01/2016 14:03:10 CONC x99.96 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0365
Desv. Est.	.0011
% RSD	2.901
Rep #1	-.0373
Rep #2	-.0369
Rep #3	-.0353
63	Unk: GISC15-22381 11/01/2016 14:04:39 CONC x405.19 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0771
Desv. Est.	.0086
% RSD	11.12
Rep #1	.0680
Rep #2	.0781
Rep #3	.0851
64	Unk: GISC15-22382 11/01/2016 14:06:04 CONC x71.777 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0282
Desv. Est.	.0014
% RSD	4.939
Rep #1	-.0266
Rep #2	-.0291
Rep #3	-.0290
65	Unk: GISC15-22385 11/01/2016 14:08:01 CONC x70.482 D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0212
Desv. Est.	.0002
% RSD	.7858
Rep #1	-.0212
Rep #2	-.0214
Rep #3	-.0210
66	QC: QC 11/01/2016 14:14:47 CONC D Hg-160111: SANGRE,UÑA Y PELO: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0052
Desv. Est.	.0000
% RSD	.3031
Rep #1	.0052
Rep #2	.0052
Rep #3	.0052
Comprobació	Pasa Comp

CONTENIDO

MUESTRAS BIOLÓGICAS

(Sangre)

- 1.1 Informes de resultados de prueba**
- 1.2 Curva de calibración**
- 1.3 Evaluación de muestras de control de calidad**
- 1.4 Datos crudos de lote analítico**



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.
EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO,
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



Número de acreditación No. SA-159-005/11
Vigencia de acreditación a partir de 2011-05-10
"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

INFORME DE RESULTADOS DE PRUEBA

DATOS DE LA MUESTRA

Matriz: MB (Sangre)

Fecha de Recepción: 2015-11-20

INTERESADO

Nombre : Laboratorio Nacional de las Ciencias de la Sostenibilidad; Instituto de Ecología-UNAM

Dirección: Av. Universidad No. 3000, Col. UNAM, CU, Del. Coyoacán, Distrito Federal, CP 04510

DATOS DEL ANÁLISIS

Método: Determinación de metales y metaloides en agua y alimentos por Espectrometría de Emisión de Plasma de Acoplamiento Inductivo (ICP-OES)

Referencia: EPA 6010C-2007

Resultados: Ver hoja excell2015/11/20 (1)

Fecha de Analisis de Metales y Mercurio: 2016-01-12 2016-01-18

Fecha de Realización del Informe: 2016-01-19

IDENTIFICACIÓN CLIENTE

L-F0001/15/00001

L-F0001/15/00003

L-F0001/15/00005

L-F0001/15/00008

L-F0001/15/00009

L-F0012/15/00112

L-F0012/15/00114

L-F0012/15/00115

L-F0012/15/00117

L-F0012/15/00118

L-F0012/15/00119

L-F0013/15/00121

L-F0013/15/00122

L-F0013/15/00124

L-F0013/15/00128

L-F0013/15/00130

CODIGO

FR 1 (1-2)

FR 34 (3-4)

FR 37 (5-6)

FR 74 (7-8)

FR 60 (9-10)

A 55 (108-113)

A 4 (114,127)

A 2 (115,123)

A 9 PL (117)

A 12 (118,125)

A 13 S a (119)

A 34 (120-121)

A 35 (122-126)

A 16 (124,129)

A 36 (128,139)

A 37 (130,143)

CLAVE DE IDENTIFICACIÓN

GISC15-23706

GISC15-23708

GISC15-23710

GISC15-23713

GISC15-23714

GISC15-23817

GISC15-23819

GISC15-23820

GISC15-23822

GISC15-23823

GISC15-23824

GISC15-23826

GISC15-23827

GISC15-23829

GISC15-23833

GISC15-23835



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.
EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO.
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



Número de acreditación No. SA-159-005/11
Vigencia de acreditación a partir de 2011-05-10
"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

IDENTIFICACIÓN CLIENTE

L-F0014/15/00131
L-F0014/15/00132
L-F0014/15/00133
L-F0014/15/00134
L-F0014/15/00135
L-F0017/15/00163
L-F0017/15/00170
L-F0018/15/00177
L-F0018/15/00179

CODIGO

A 40 (131,141)
A 41 (132,140)
A 46 (133,138)
A 42 (134,137)
A 18 (135,136)
A 135 (158-164)
A 144 (165-171)
A 87 (177-178)
A 94 (179-180)

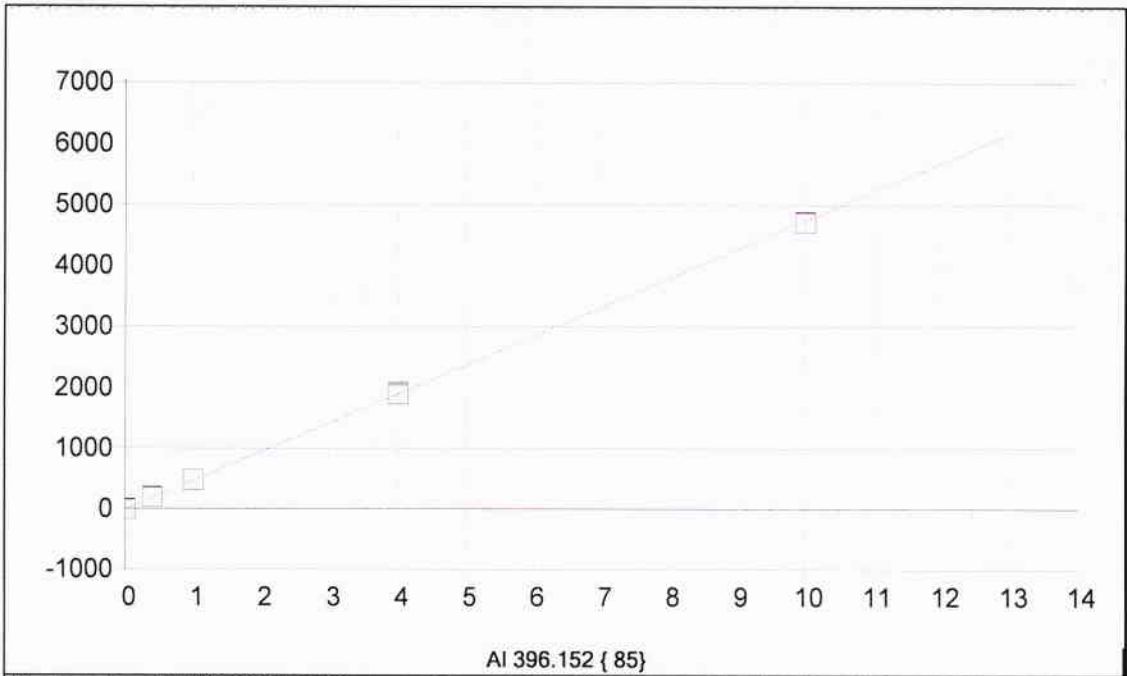
CLAVE DE IDENTIFICACIÓN

GISC15-23836
GISC15-23837
GISC15-23838
GISC15-23839
GISC15-23840
GISC15-23868
GISC15-23875
GISC15-23882
GISC15-23884

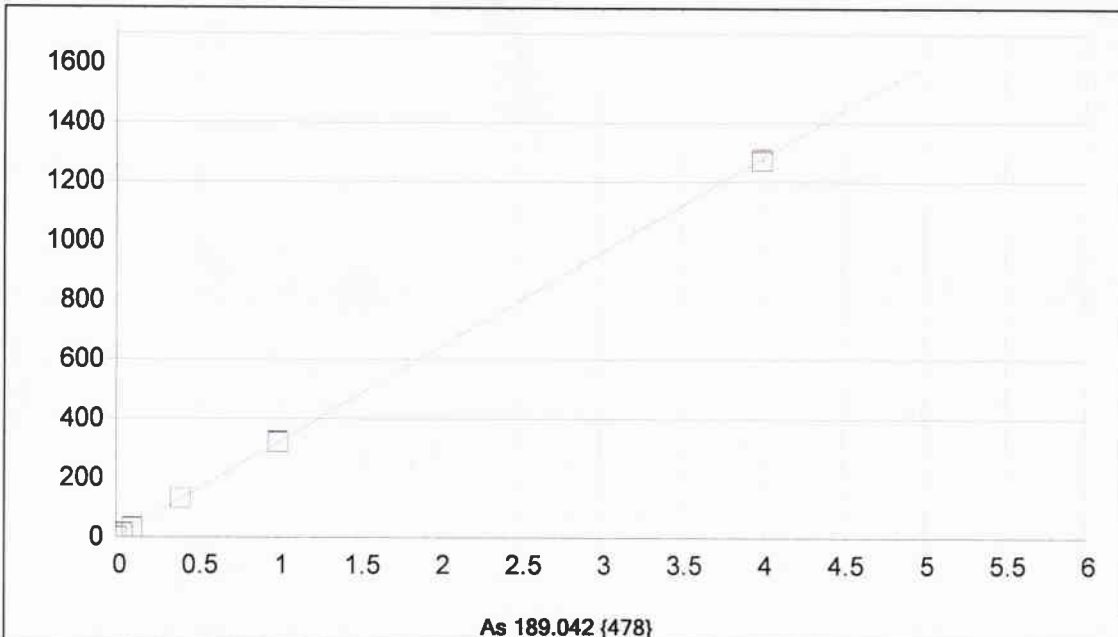
REVISÓ

Q.F.B. Leticia Velazquez Méndez

Gerente Técnico

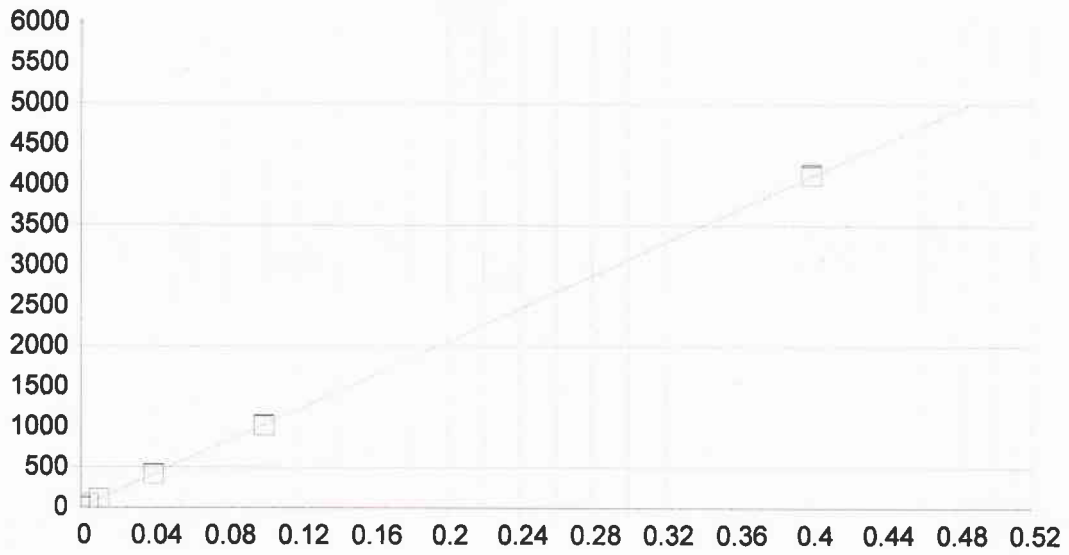


Fecha de la	12/01/2016 10:54:26	Tipo de unió	Lineal	Ponderación:	1/Conc		
A0 (Compensación):	-6.115671	Reajustar P	1.000000				
A1 (Ganancia)	475.127583	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.999932	Estatus:	OK.				
Error Estándar de Est:	0.561472						
MDL:	0.017010						
MQL:	0.056700						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00003	-.000	.000	-6.1300	5.74	1
STD 5	.40000	.42337	.023	5.84	195.04	5.25	1
STD 6	1.0000	1.0192	.019	1.92	478.12	1.40	1
STD 7	4.0000	4.0137	.014	.342	1900.9	21.1	1
STD 8	10.000	9.9438	-.056	-.562	4718.5	10.8	1



Fecha de la	12/01/2016 10:52:05	Tipo de unió	Lineal	Ponderación:	1/Conc
A0 (Compensación):	0.716561	Reajustar P	1.000000		
A1 (Ganancia)	319.555159	Y-int:	0.000000		
A2 (Curvatura):	0.000000				
n (Exponente):	1.000000				
Correlación:	0.999964	Estatus:	OK.		
Error Estándar de Est:	0.049694				
MDL:	0.002631				
MQL:	0.008769				

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	.71622	.287	1
STD 4	.10000	.09900	-.001	-1.00	32.352	.492	1
STD 5	.40000	.40980	.010	2.45	131.67	.264	1
STD 6	1.0000	1.0085	.009	.854	323.00	1.97	1
STD 7	4.0000	3.9823	-.018	-.441	1273.3	4.73	1
STD 3	.04000	.04031	.000	.773	13.598	.038	1

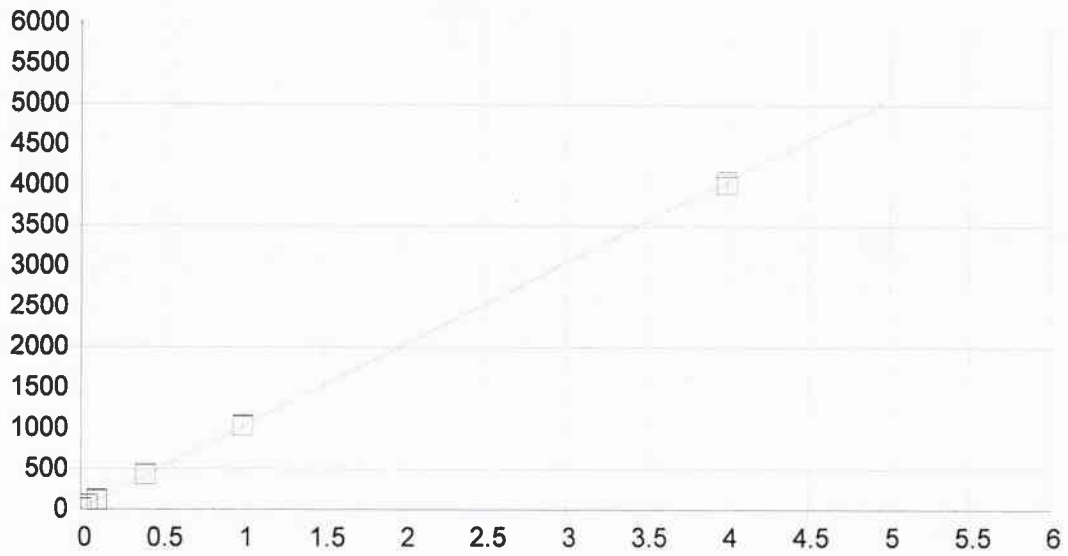


Cd 226.502 {449}

Fecha de la 12/01/2016 10:47:24 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 2.392500 Reajustar P 1.000000
 A1 (Ganancia) 10272.51343 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999977 Estatus: OK.
 Error Estándar de Est: 0.125656
 MDL: 0.000131
 MQL: 0.000436

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	2.3953	.844	1
STD 1	.00400	.00380	-.000	-5.09	41.393	.552	1
STD 2	.01000	.00985	-.000	-1.47	103.61	.838	1
STD 3	.04000	.04014	.000	.348	414.72	1.48	1
STD 4	.10000	.09907	-.001	-.933	1020.1	2.12	1
STD 5	.40000	.40114	.001	.286	4123.2	15.9	1

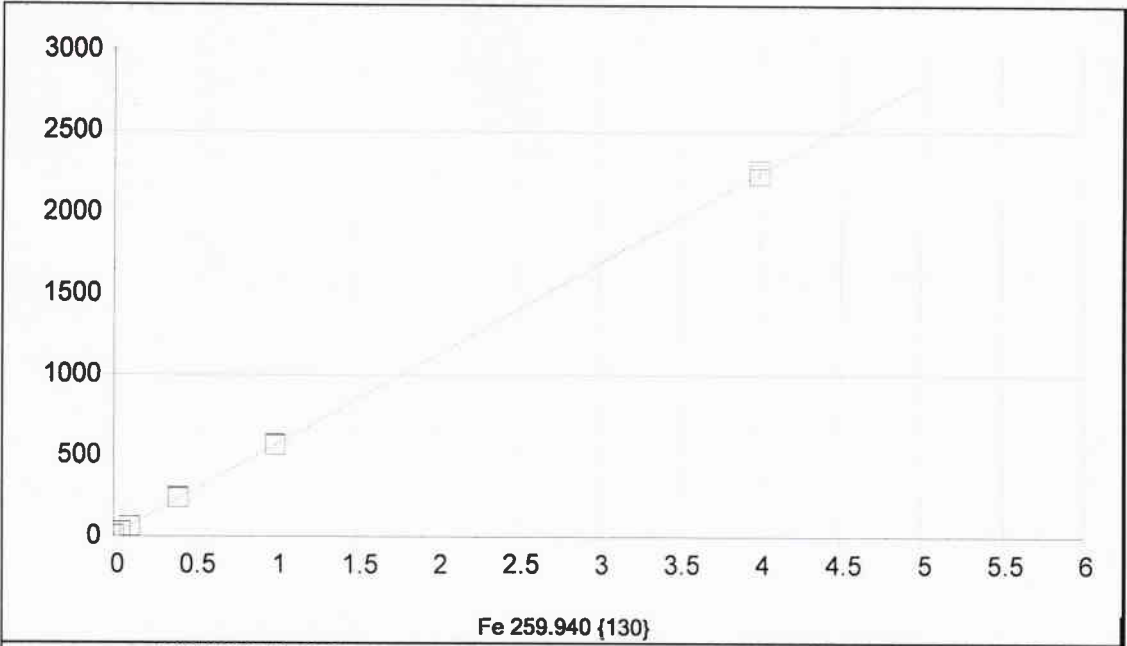


Cu 324.754 {104}

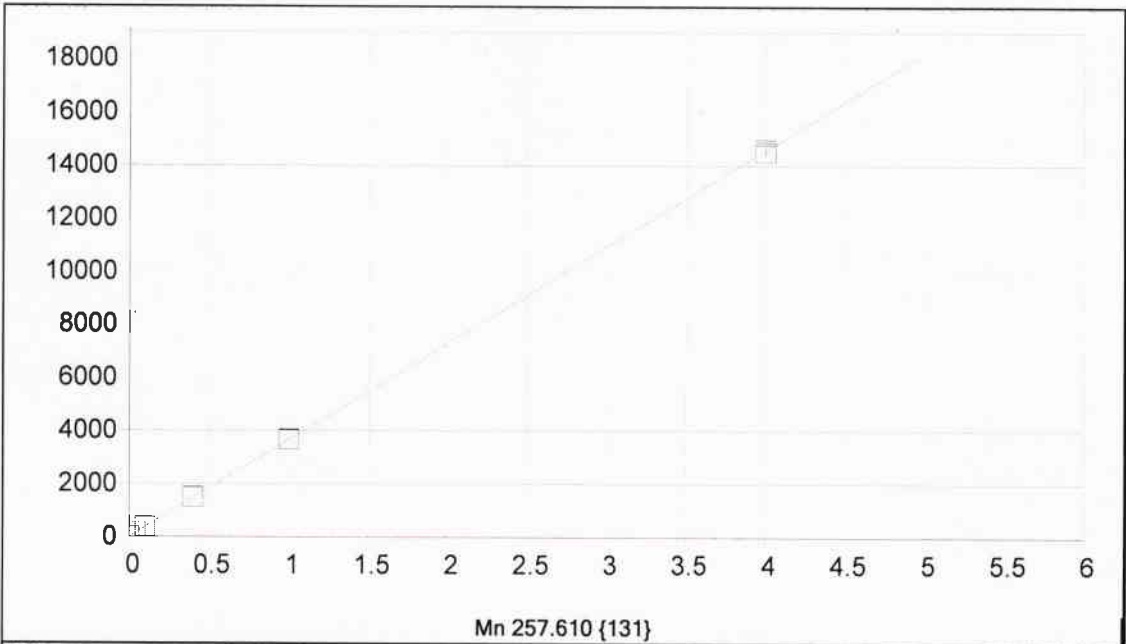
Fecha de la 12/01/2016 10:52:05 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 8.726478 Reajustar P 1.000000
 A1 (Ganancia) 1013.090000 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999833 Estatus: OK.
 Error Estándar de Est: 0.337121
 MDL: 0.004408
 MQL: 0.014693

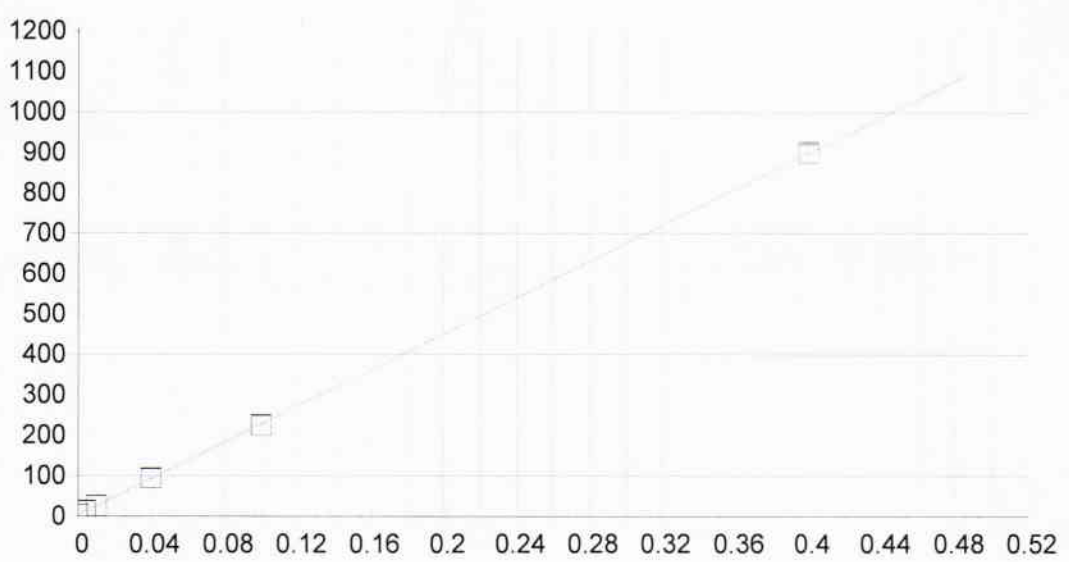
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	8.7182	2.44	1
STD 5	.40000	.41583	.016	3.96	430.00	3.16	1
STD 6	1.0000	1.0107	.011	1.07	1032.7	3.11	1
STD 7	4.0000	3.9636	-.036	-.910	4024.2	33.5	1
STD 3	.04000	.04433	.004	10.8	53.636	2.90	1
STD 4	.10000	.10553	.006	5.53	115.64	6.24	1



Fecha de la	12/01/2016 10:52:05	Tipo de unió	Lineal	Ponderación:	1/Conc		
A0 (Compensación):	7.275995	Reajustar P	1.000000				
A1 (Ganancia)	559.763965	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.999928	Estatus:	OK.				
Error Estándar de Est:	0.122179						
MDL:	0.003931						
MQL:	0.013103						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	7.2767	1.26	1
STD 5	.40000	.41554	.016	3.88	239.88	1.66	1
STD 6	1.0000	.99917	-.001	-.083	566.58	3.19	1
STD 3	.04000	.03883	-.001	-2.92	29.013	.919	1
STD 4	.10000	.09636	-.004	-3.64	61.217	.562	1
STD 7	4.0000	3.9901	-.010	-.248	2240.8	23.8	1



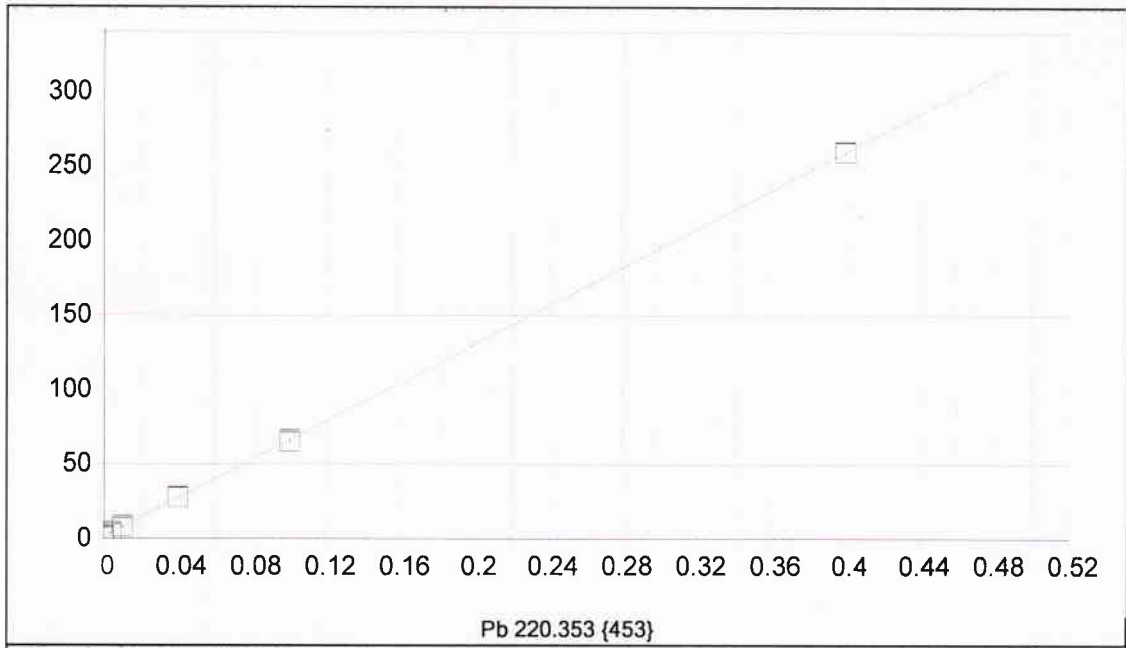
Fecha de la	12/01/2016 10:52:05	Tipo de unió	Lineal	Ponderación:	1/Conc		
A0 (Compensación):	3.219624	Reajustar P	1.000000				
A1 (Ganancia)	3641.807833	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.999966	Estatus:	OK.				
Error Estándar de Est:	0.543940						
MDL:	0.000649						
MQL:	0.002164						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	3.2083	2.00	1
STD 5	.40000	.40877	.009	2.19	1491.9	10.0	1
STD 6	1.0000	1.0048	.005	.483	3662.6	14.1	1
STD 3	.04000	.04174	.002	4.35	155.23	2.72	1
STD 4	.10000	.10114	.001	1.14	371.55	2.17	1
STD 7	4.0000	3.9835	-.016	-.412	14510.	92.9	1



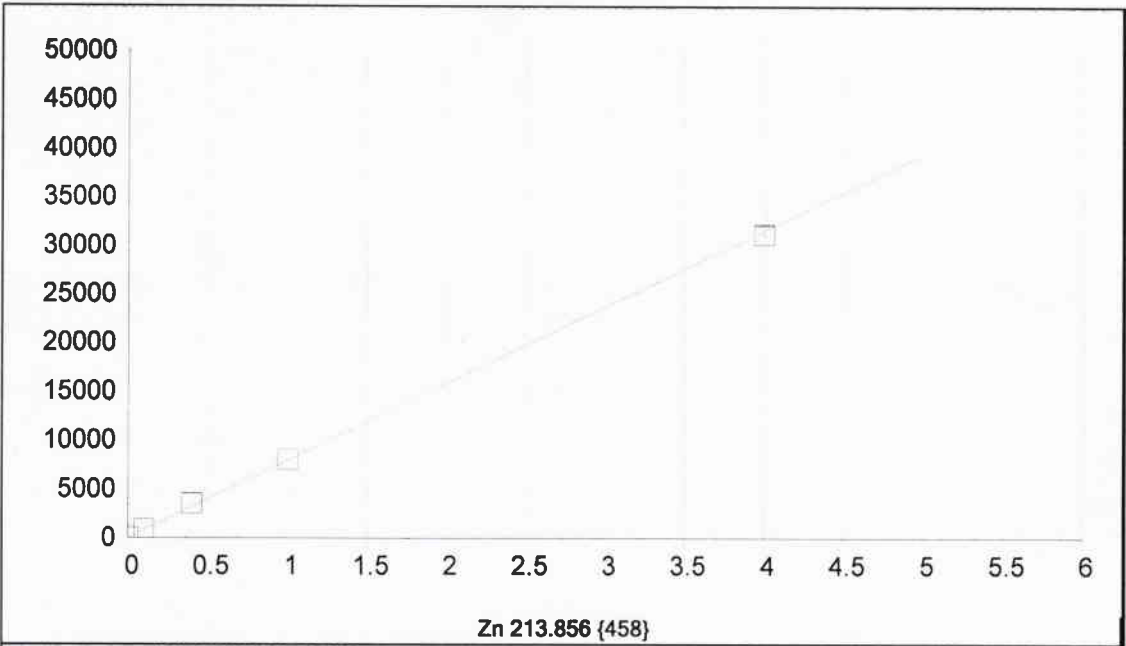
Ni 231.604 {446}

Fecha de la	12/01/2016 10:47:24	Tipo de unió	Lineal	Ponderación:	1/Conc
A0 (Compensación):	3.438098	Reajustar P	1.000000		
A1 (Ganancia)	2239.014626	Y-int:	0.000000		
A2 (Curvatura):	0.000000				
n (Exponente):	1.000000				
Correlación:	0.999905	Estatus:	OK.		
Error Estándar de Est:	0.056347				
MDL:	0.000540				
MQL:	0.001799				

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	3.4368	.592	1
STD 1	.00400	.00461	.001	15.2	13.760	.740	1
STD 2	.01000	.00994	-.000	-.592	25.696	.411	1
STD 3	.04000	.04010	.000	.253	93.225	1.45	1
STD 4	.10000	.09892	-.001	-1.08	224.93	.981	1
STD 5	.40000	.40042	.000	.106	900.00	3.24	1

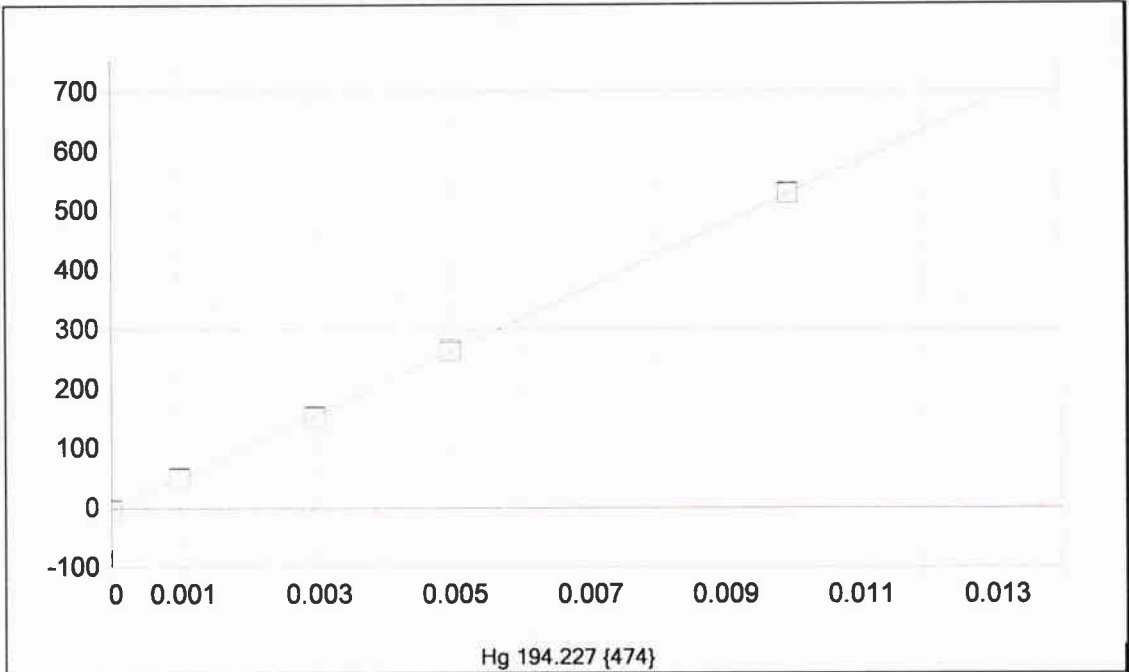


Fecha de la		12/01/2016 10:47:24	Tipo de unió		Lineal	Ponderación: 1/Conc	
A0 (Compensación):	1.399452	Reajustar P	1.000000				
A1 (Ganancia)	646.361029	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.999966	Estatus:	OK.				
Error Estándar de Est:	0.009693						
MDL:	0.001760						
MQL:	0.005868						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	1.3995	.648	1
STD 1	.00400	.00383	-.000	-4.29	3.8739	.810	1
STD 2	.01000	.00994	-.000	-.556	7.8272	1.07	1
STD 3	.04000	.04090	.001	2.24	27.833	.426	1
STD 4	.10000	.09902	-.001	-.977	65.404	.954	1
STD 5	.40000	.40031	.000	.077	260.14	.342	1



Fecha de la	12/01/2016 10:52:05	Tipo de unió	Lineal	Ponderación:	1/Conc
A0 (Compensación):	71.284057	Reajustar P	1.000000		
A1 (Ganancia)	7888.689866	Y-int:	0.000000		
A2 (Curvatura):	0.000000				
n (Exponente):	1.000000				
Correlación:	0.999537	Estatus:	OK.		
Error Estándar de Est:	7.263976				
MDL:	0.000139				
MQL:	0.000463				

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	71.168	1.08	1
STD 4	.10000	.10510	.005	5.10	900.40	1.62	1
STD 5	.40000	.43981	.040	9.95	3540.8	10.7	1
STD 6	1.0000	1.0104	.010	1.04	8041.7	7.96	1
STD 7	4.0000	3.9447	-.055	-1.38	31190.	80.7	1



Hg 194.227 {474}

Fecha de la 18/01/2016 11:53:50 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): -3.492421 Reajustar P 1.000000
 A1 (Ganancia) 53029.05230 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999968 Estatus: OK.
 Error Estándar de Est: 0.075612
 MDL: 0.000040
 MQL: 0.000133

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	-3.4924	.300	1
STD 1	.00100	.00101	.000	1.000	50.067	.547	1
STD 2	.00300	.00295	-.000	-1.73	152.84	.796	1
STD 3	.00500	.00503	.000	.653	263.38	2.48	1
STD 4	.01000	.01001	.000	.093	527.29	1.16	1



Análisis:

METALES PESADOS POR ICP-OES

Lote analítico:

DMP-SANGRE-160112

Fecha de Análisis:

12/01/2016

Fecha de Reporte:

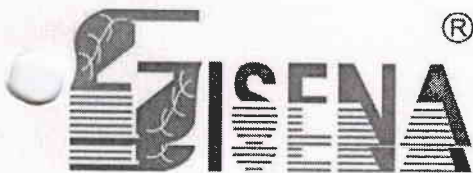
12/01/2016

CONCENTRACIONES DE LAS CURVAS DE CALIBRACION.

DESCRIPCIÓN	CONCENTRACION mg/L									
	Al	As	Cd	Cu	Fe	Mn	Ni	Pb	Zn	Hg
NIVEL 1			0.004				0.004	0.004		0.0010
NIVEL 2			0.010				0.010	0.010		0.0030
NIVEL 3		0.040	0.040	0.040	0.040	0.040	0.040	0.040		0.0050
NIVEL 4		0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0100
NIVEL 5	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	
NIVEL 6	1.000	1.000		1.000	1.000	1.000			1.000	
NIVEL 7	4.000	4.000		4.000	4.000	4.000			4.000	
NIVEL 8	10.000									
NIVEL 9										
Correlación	0.9999	0.9999	0.9999	0.9998	0.9999	0.9999	0.9999	0.9999	0.9995	0.9999

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No.¹	Identificación	Analito	Concentración mg/l		% Recobro²	No.¹	Identificación	Analito	Concentración mg/l		% Recobro²
			Teórica	Práctica					Teórica	Práctica	
10	QC:QC-Medio	Aluminio	0.4000	0.4191	104.8	41	QC:QC-Medio	Aluminio	0.4000	0.3367	84.2
		Arsénico	0.4000	0.4216	105.4			Arsénico	0.4000	0.4240	106.0
		Cadmio	0.4000	0.4143	103.6			Cadmio	0.4000	0.3634	90.9
		Cobre	0.4000	0.4161	104.0			Cobre	0.4000	0.3235	80.9
		Fierro	0.4000	0.4160	104.0			Fierro	0.4000	0.3956	98.9
		Manganeso	0.4000	0.4139	103.5			Manganeso	0.4000	0.3440	86.0
		Níquel	0.4000	0.4092	102.3			Níquel	0.4000	0.3463	86.6
		Plomo	0.4000	0.4152	103.8			Plomo	0.4000	0.4083	102.1
		Zinc	0.4000	0.4303	107.6			Zinc	0.4000	0.4178	104.5
21	QC:QC-Medio	Aluminio	0.4000	0.4236	105.9	16	QC:QC-N3	Mercurio	0.0050	0.0049	98.0
		Arsénico	0.4000	0.4268	106.7	27	QC:QC-N3	Mercurio	0.0050	0.0049	98.0
		Cadmio	0.4000	0.4198	105.0						
		Cobre	0.4000	0.3922	98.1						
		Fierro	0.4000	0.3422	85.6						
		Manganeso	0.4000	0.3769	94.2						
		Níquel	0.4000	0.4336	108.4						
		Plomo	0.4000	0.4168	104.2						
Zinc	0.4000	0.4173	104.3								
32	QC:QC-Medio	Aluminio	0.4000	0.4190	104.8						
		Arsénico	0.4000	0.4136	103.4						
		Cadmio	0.4000	0.4032	100.8						
		Cobre	0.4000	0.3752	93.8						
		Fierro	0.4000	0.3281	82.0						
		Manganeso	0.4000	0.3605	90.1						
		Níquel	0.4000	0.4160	104.0						
		Plomo	0.4000	0.3995	99.9						
Zinc	0.4000	0.4022	100.6								



Análisis:
 Lote analítico:
 Fecha de Análisis:
 Fecha de Reporte:

METALES PESADOS POR ICP-OES
 DMP-SANGRE-160112
 12/01/2015
 12/01/2015

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/Kg		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/Kg		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
12	Recuperación	Aluminio	40.0000	45.7100	114						
		Arsénico	40.0000	46.7500	117						
		Cadmio	40.0000	43.4900	109						
		Cobre	40.0000	44.3900	111						
		Fierro	40.0000	45.8300	115						
		Manganeso	40.0000	44.6000	112						
		Níquel	40.0000	42.8300	107						
		Plomo	40.0000	44.3800	111						
		Zinc	40.0000	47.0600	118						
8	Recuperación	Mercurio	0.5000	0.5063	101						

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)

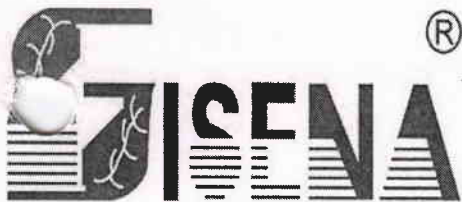
I.B.I. Gaudencio Vargas Espejel

I.B.I. Gaudencio Vargas Espejel
ELABORÓ

Q.F.B. Leticia Velázquez Méndez

Q.F.B. Leticia Velázquez Méndez
REVISÓ

PACE/GIS/102-F01



Hoja de Trabajo -Metales y Metaloides-

Clave	Matriz	Código	Fecha de Recepción	Peso (g)		Cantidad
				Inicial	Final	
GISC15-23706	Sangre	FR 1 (1-2)	20/11/2015	1.4105	1.3002	0.1103
GISC15-23708	Sangre	FR 34 (3-4)	20/11/2015	1.5642	1.3274	0.2368
GISC15-23710	Sangre	FR 37 (5-6)	20/11/2015	1.4083	1.2949	0.1134
GISC15-23713	Sangre	FR 74 (7-8)	20/11/2015	1.4669	1.3147	0.1522
GISC15-23714	Sangre	FR 60 (9-10)	20/11/2015	1.3902	1.2958	0.0944
GISC15-23817	Sangre	A 55 (108-113)	20/11/2015	1.3612	1.2882	0.073
GISC15-23819	Sangre	A 4 (114,127)	20/11/2015	1.6728	1.2815	0.3913
GISC15-23820	Sangre	A 2 (115,123)	20/11/2015	1.6285	1.2684	0.3601
GISC15-23822	Sangre	A 9 PL (117)	20/11/2015	1.4536	1.2884	0.1652
GISC15-23823	Sangre	A 12 (118,125)	20/11/2015	1.3291	1.2681	0.061
GISC15-23824	Sangre	A 13 S a (119)	20/11/2015	1.3837	1.3048	0.0789
GISC15-23826	Sangre	A 34 (120-121)	20/11/2015	1.3072	1.2754	0.0318
GISC15-23827	Sangre	A 35 (122-126)	20/11/2015	1.3724	1.2872	0.0852
GISC15-23829	Sangre	A 16 (124,129)	20/11/2015	1.5042	1.2803	0.2239
GISC15-23833	Sangre	A 36 (128,139)	20/11/2015	1.4984	1.2758	0.2226
GISC15-23835	Sangre	A 37 (130,143)	20/11/2015	1.3740	1.2554	0.1186
GISC15-23836	Sangre	A 40 (131,141)	20/11/2015	1.3260	1.2640	0.062
GISC15-23837	Sangre	A 41 (132,140)	20/11/2015	1.3410	1.2412	0.0998
GISC15-23838	Sangre	A 46 (133,138)	20/11/2015	1.3957	1.2492	0.1465
GISC15-23839	Sangre	A 42 (134,137)	20/11/2015	1.5607	1.2589	0.3018
GISC15-23840	Sangre	A 18 (135,136)	20/11/2015	1.4086	1.2625	0.1461
GISC15-23868	Sangre	A 135 (158-164)	20/11/2015	2.0775	1.8914	0.1861
GISC15-23875	Sangre	A 144 (165-171)	20/11/2015	1.9299	1.8989	0.031
GISC15-23882	Sangre	A 87 (177-178)	20/11/2015	1.5770	1.2733	0.3037
GISC15-23884	Sangre	A 94 (179-180)	20/11/2015	1.3881	1.2874	0.1007

I. B. I. Gaudencio Vargas

I.B.I Gaudencio Vargas Espejel

Q.F.B. Leticia Velazquez

Q.F.B. Leticia Velazquez Méndez

1	Cal: Blanco 12/01/2016 10:32:26 IR D MP 160112: UNAM (SANGRE):									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	
Media	-6.130	.7162	2.395	8.718	7.277	3.208	3.437	1.400	71.17	
Desv. Est.	5.745	.2873	.844	2.445	1.259	2.003	.593	.648	1.08	
% RSD	93.72	40.12	35.24	28.04	17.30	62.44	17.24	46.32	1.511	
Rep #1	-1.080	.4066	3.353	5.945	8.730	1.275	3.503	.7694	71.98	
Rep #2	-4.930	.9743	1.759	10.56	6.530	5.275	2.814	1.365	69.95	
Rep #3	-12.38	.7677	2.074	9.645	6.570	3.075	3.993	2.065	71.58	
2	Cal: STD 1 12/01/2016 10:35:05 IR D MP 160112: UNAM (SANGRE):									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	41.39	13.76	3.874							
Desv. Est.	.55	.74	.810							
% RSD	1.335	5.380	20.90							
Rep #1	41.97	14.41	4.190							
Rep #2	40.87	12.96	2.954							
Rep #3	41.34	13.91	4.478							
3	Cal: STD 2 12/01/2016 10:37:48 IR D MP 160112: UNAM (SANGRE):									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	103.6	25.70	7.827							
Desv. Est.	.8	.41	1.066							
% RSD	.8084	1.598	13.61							
Rep #1	104.5	25.22	7.184							
Rep #2	102.8	25.97	9.057							
Rep #3	103.5	25.89	7.240							
4	Cal: STD 3 12/01/2016 10:40:13 IR D MP 160112: UNAM (SANGRE):									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203			
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	13.60	414.7	53.64	29.01	155.2	93.23	27.83			
Desv. Est.	.04	1.5	2.90	.92	2.7	1.45	.43			
% RSD	.2810	.3562	5.412	3.168	1.750	1.559	1.531			
Rep #1	13.61	416.0	53.70	27.98	158.2	94.76	28.17			
Rep #2	13.63	415.1	50.70	29.74	154.7	91.87	27.35			
Rep #3	13.55	413.1	56.50	29.32	152.8	93.04	27.98			
5	Cal: STD 4 12/01/2016 10:42:39 IR D MP 160112: UNAM (SANGRE):									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138		
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45		
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s		
Media	32.35	1020.	115.6	61.22	371.6	224.9	65.40	900.4		
Desv. Est.	.49	2.	6.2	.56	2.2	1.0	.95	1.6		
% RSD	1.520	.2077	5.398	.9183	.5831	.4360	1.458	.1796		
Rep #1	32.90	1022.	121.5	60.82	374.1	225.2	66.13	901.6		
Rep #2	31.94	1019.	109.0	61.86	370.4	225.8	64.32	901.0		
Rep #3	32.22	1019.	116.4	60.97	370.2	223.9	65.75	898.6		
6	Cal: STD 5 12/01/2016 10:45:04 IR D MP 160112: UNAM (SANGRE):									

11	Unk: BLANCO 12/01/2016 10:56:55 CONC D MP 160112: UNAM (SANGRE):									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	.0017	<.0000	.0004	.0027	<.0000	.0005	.0001	.0006	<.0000	
Desv. Est.	.0030	.0007	.0001	.0028	.0007	.0006	.0002	.0012	.0002	
% RSD	177.5	100.5	39.35	105.9	25.39	124.1	376.1	206.4	11.99	
Rep #1	.0000	-.0014	.0004	.0055	-.0030	.0011	.0003	-.0005	-.0013	
Rep #2	.0051	-.0007	.0005	-.0002	-.0032	.0001	-.0002	.0018	-.0016	
Rep #3	-.0001	.0000	.0002	.0027	-.0019	.0001	.0001	.0004	-.0015	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
12	Unk: RECUPERACION 12/01/2016 10:59:20 CONC x100 D MP 160112: UNAM (SANGRE):									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	45.71	46.75	43.49	44.39	45.83	44.60	42.83	44.38	47.06	
Desv. Est.	2.92	.29	.17	.68	1.01	.53	.28	.19	.12	
% RSD	6.386	.6159	.3877	1.535	2.197	1.190	.6452	.4387	.2614	
Rep #1	43.43	46.67	43.53	45.15	46.91	45.04	42.80	44.31	47.14	
Rep #2	44.69	47.07	43.62	44.17	45.66	44.75	43.12	44.60	47.13	
Rep #3	49.00	46.52	43.30	43.84	44.92	44.01	42.57	44.23	46.92	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
13	Blanco: REACTIVO 12/01/2016 11:01:39 CONC x100 D MP 160112: UNAM (SANGRE):									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	4.632	-.1314	.0325	.3053	12.80	.0887	.1126	.0143	2.497	
Desv. Est.	.662	.1224	.0149	.1272	.19	.0828	.0634	.0594	.029	
% RSD	14.29	93.12	45.92	41.66	1.453	93.34	56.30	415.1	1.153	
Rep #1	4.105	-.2625	.0471	.4335	12.95	.1841	.1852	.0136	2.472	
Rep #2	4.415	-.1116	.0333	.1791	12.59	.0461	.0842	-.0447	2.491	
Rep #3	5.374	-.0202	.0172	.3034	12.86	.0358	.0683	.0740	2.528	
Comprobació										
Valor										
Intervalo										
14	Unk: GISC15-23706 12/01/2016 11:04:03 CONC x226.65 D MP 160112: UNAM (SANGRE):									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	23.16	.1046	.1553	.1081	397.6	.5661	1.151	.5355	12.29	
Desv. Est.	3.52	.1114	.0930	.3425	4.1	.1046	.041	.2069	.09	
% RSD	15.18	106.4	59.88	316.9	1.032	18.48	3.581	38.64	.7273	
Rep #1	25.42	.0124	.0879	.1423	401.4	.5153	1.155	.3004	12.27	
Rep #2	24.94	.2284	.1167	.4321	398.2	.6865	1.189	.6160	12.22	
Rep #3	19.11	.0731	.2614	-.2502	393.2	.4966	1.107	.6901	12.39	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
15	Unk: GISC15-23708 12/01/2016 11:06:28 CONC x105.57 D MP 160112: UNAM (SANGRE):									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	

Media	9.582	.0743	.0524	<.0000	356.4	.1061	.0829	.7495	5.307
Desv. Est.	1.532	.4798	.0328	.1169	7.6	.1111	.0363	.6954	.077
% RSD	15.99	645.8	62.56	7.737	2.126	104.7	43.75	92.78	1.458
Rep #1	10.49	-.4472	.0349	-1.404	365.1	.0199	.0424	.1211	5.396
Rep #2	7.813	.1731	.0321	-1.494	351.6	.0670	.1123	.6307	5.253
Rep #3	10.44	.4970	.0903	-1.636	352.5	.2315	.0941	1.497	5.273
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
20	Unk: GISC15-23819 12/01/2016 11:18:29 CONC x63.89 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.2227	.3778	.0146	<.0000	397.8	<.0000	<.0000	.0454	1.779
Desv. Est.	.8006	.1827	.0042	.0348	3.0	.0293	.0153	.1037	.004
% RSD	359.5	48.35	28.66	16.81	.7617	147.4	40.03	228.4	.2081
Rep #1	.4844	.3460	.0103	-.1963	401.2	-.0066	-.0209	-.0167	1.783
Rep #2	-.6760	.2132	.0148	-.2459	396.5	.0004	-.0497	.1651	1.780
Rep #3	.8596	.5743	.0187	-.1789	395.6	-.0535	-.0442	-.0122	1.775
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
21	QC: QC-MEDIO 12/01/2016 11:20:36 CONC D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4236	.4268	.4198	.3922	.3422	.3769	.4336	.4168	.4173
Desv. Est.	.0125	.0051	.0042	.0071	.0050	.0051	.0049	.0035	.0040
% RSD	2.942	1.196	1.008	1.802	1.454	1.361	1.141	.8383	.9607
Rep #1	.4100	.4315	.4243	.3970	.3479	.3810	.4392	.4206	.4218
Rep #2	.4344	.4273	.4190	.3954	.3387	.3786	.4320	.4160	.4160
Rep #3	.4263	.4214	.4159	.3840	.3399	.3711	.4297	.4138	.4141
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
22	Unk: GISC15-23820 12/01/2016 11:23:17 CONC x69.425 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.538	.3199	.0506	.6241	622.5	.2944	.2894	.2318	8.346
Desv. Est.	.851	.0370	.0126	.3515	1.5	.0105	.0228	.0132	.143
% RSD	55.30	11.57	24.83	56.33	.2366	3.581	7.865	5.692	1.719
Rep #1	1.289	.3264	.0422	.7725	623.9	.2931	.2948	.2185	8.414
Rep #2	.8400	.3532	.0446	.8771	621.0	.3055	.2644	.2320	8.442
Rep #3	2.485	.2801	.0651	.2227	622.7	.2846	.3089	.2449	8.181
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
23	Unk: GISC15-23822 12/01/2016 11:25:53 CONC x151.33 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	4.615	<.0000	<.0000	<.0000	50.93	.0174	<.0000	.2249	1.054

Desv. Est.	.776	.2404	.0022	.2681	.59	.0497	.0464	.0353	.022
% RSD	16.82	152.9	1.934	195.3	1.157	285.7	99.14	15.69	2.098
Rep #1	5.271	.0646	-.1139	.1646	51.60	-.0359	-.0588	.2469	1.034
Rep #2	3.758	-.4126	-.1160	-.3473	50.50	.0626	-.0859	.2437	1.051
Rep #3	4.817	-.1237	-.1184	-.2292	50.67	.0256	.0044	.1842	1.077
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
24	Unk: GISC15-23823 12/01/2016 11:28:05 CONC x446.43 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	16.00	<.0000	<.0000	<.0000	433.0	.5106	.8022	.4183	16.76
Desv. Est.	3.15	.5241	.0543	.6171	7.0	.1395	.0389	.6945	.15
% RSD	19.70	46.36	187.6	182.4	1.621	27.32	4.851	166.0	.8696
Rep #1	16.60	-1.565	.0325	.3720	440.0	.5157	.7574	-.2922	16.93
Rep #2	12.60	-.5484	-.0706	-.7416	432.9	.6475	.8279	.4516	16.67
Rep #3	18.82	-1.278	-.0487	-.6455	426.0	.3686	.8212	1.096	16.69
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
25	Unk: GISC15-23824 12/01/2016 11:30:29 CONC x316.86 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	9.808	<.0000	.0381	<.0000	207.6	.1706	.1155	.4820	2.510
Desv. Est.	2.214	.1912	.0179	1.382	2.9	.0413	.0316	.1869	.090
% RSD	22.58	27.27	46.89	507.3	1.400	24.22	27.32	38.77	3.571
Rep #1	11.59	-.9217	.0586	-.3406	210.9	.1597	.1433	.6959	2.519
Rep #2	7.330	-.5945	.0259	1.142	205.7	.1358	.0812	.3990	2.595
Rep #3	10.50	-.5868	.0297	-1.619	206.2	.2163	.1220	.3510	2.416
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
26	Unk: GISC15-23826 12/01/2016 11:32:54 CONC x786.16 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	18.79	<.0000	<.0000	<.0000	525.4	.5367	.6665	.8560	2.600
Desv. Est.	6.59	.7028	.0545	.2838	2.4	.4712	.3840	.7549	.255
% RSD	35.08	19.61	444.2	11.22	.4583	87.79	57.61	88.18	9.817
Rep #1	13.40	-4.367	.0189	-2.580	527.4	1.040	.2311	1.495	2.667
Rep #2	26.14	-3.009	-.0752	-2.784	522.7	.1067	.9569	1.049	2.318
Rep #3	16.84	-3.375	.0195	-2.224	526.1	.4629	.8115	.0233	2.815
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
27	Unk: GISC15-23827 12/01/2016 11:35:19 CONC x293.43 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	11.52	<.0000	.0357	1.749	528.9	.8934	1.842	.6890	24.28
Desv. Est.	6.15	.7286	.0165	.327	3.7	.1234	.093	.1081	.04

% RSD	53.40	217.2	46.30	18.70	.6964	13.82	5.040	15.70	.1505
Rep #1	7.520	.5018	.0399	1.455	532.7	1.036	1.780	.6015	24.32
Rep #2	18.60	-.6827	.0498	2.102	525.3	.8162	1.949	.8099	24.27
Rep #3	8.434	-.8255	.0175	1.691	528.8	.8282	1.798	.6555	24.24
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
28	Unk: GISC15-23829 12/01/2016 11:37:44 CONC x110.18 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.483	.2328	.0226	.4282	412.4	.4573	.6871	.3788	11.12
Desv. Est.	1.059	.1212	.0144	.2580	1.6	.1215	.0144	.1056	.07
% RSD	71.36	52.07	63.68	60.25	.3975	26.57	2.092	27.88	.6084
Rep #1	.4669	.1046	.0249	.1837	414.0	.5642	.7024	.4656	11.19
Rep #2	2.579	.3456	.0072	.6978	412.3	.3252	.6851	.2612	11.06
Rep #3	1.404	.2483	.0356	.4032	410.7	.4825	.6738	.4096	11.11
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
29	Unk: GISC15-23833 12/01/2016 11:40:07 CONC x112.31 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	3.377	<.0000	<.0000	.3188	378.3	.6655	.5797	.2284	7.930
Desv. Est.	.214	.2222	.0525	.3216	54.2	.1761	.6530	.3419	9.811
% RSD	6.347	148.0	326.7	100.9	14.33	26.46	112.6	149.7	123.7
Rep #1	3.170	.0404	.0198	.1422	413.2	.8320	.9414	.4406	13.69
Rep #2	3.362	-.0966	.0084	.6900	406.0	.6832	.9719	.4105	13.50
Rep #3	3.598	-.3942	-.0764	.1241	315.8	.4812	-.1741	-.1660	-3.397
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
30	Unk: GISC15-23835 12/01/2016 11:42:30 CONC x211.69 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	7.920	.1143	.0479	1.090	510.4	.8436	1.574	.5947	29.56
Desv. Est.	.929	.4792	.0203	.714	4.1	.0854	.041	.2960	.07
% RSD	11.73	419.4	42.48	65.47	.8076	10.12	2.593	49.78	.2368
Rep #1	7.436	.0748	.0434	.4119	514.4	.9332	1.613	.3866	29.48
Rep #2	8.991	.6120	.0301	1.024	510.7	.7632	1.531	.4639	29.62
Rep #3	7.334	-.3440	.0700	1.835	506.1	.8344	1.578	.9336	29.58
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
31	Unk: GISC15-23836 12/01/2016 11:44:54 CONC x403.23 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	29.81	<.0000	.0948	2.507	585.4	2.633	6.241	1.956	79.22
Desv. Est.	2.23	1.181	.0574	.693	7.7	.107	.139	1.125	.48
% RSD	7.482	122.1	60.51	27.64	1.307	4.049	2.232	57.52	.6100

Rep #1	31.28	.3936	.1610	2.022	594.3	2.636	6.139	3.208	79.26
Rep #2	30.90	-1.723	.0597	2.199	581.6	2.738	6.185	1.028	79.69
Rep #3	27.24	-1.573	.0637	3.301	580.5	2.525	6.400	1.633	78.72
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
32	QC: QC-MEDIO 12/01/2016 11:48:01 CONC D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4190	.4136	.4032	.3752	.3281	.3605	.4160	.3995	.4022
Desv. Est.	.0088	.0055	.0013	.0063	.0056	.0031	.0018	.0010	.0008
% RSD	2.100	1.327	.3238	1.679	1.692	.8606	.4275	.2560	.1915
Rep #1	.4224	.4132	.4044	.3825	.3340	.3641	.4168	.3983	.4031
Rep #2	.4090	.4192	.4033	.3716	.3229	.3587	.4172	.3999	.4019
Rep #3	.4256	.4083	.4018	.3715	.3274	.3587	.4139	.4003	.4017
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
33	Unk: GISC15-23837 12/01/2016 11:49:44 CONC x250.5 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	9.635	<.0000	.0305	<.0000	406.1	.1157	.5621	.2877	6.938
Desv. Est.	1.586	.4953	.0293	.4440	3.0	.0978	.0716	.3117	.061
% RSD	16.46	200.4	95.99	4846.	.7510	84.53	12.73	108.3	.8734
Rep #1	7.803	.0548	.0458	-.4524	409.0	.2195	.5252	.3944	6.929
Rep #2	10.57	-.8187	.0491	.4355	406.5	.0252	.5165	.5321	6.882
Rep #3	10.53	.0226	-.0033	-.0107	402.9	.1025	.6446	-.0632	7.002
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
34	Unk: GISC15-23838 12/01/2016 11:52:09 CONC x170.65 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	7.006	<.0000	.0163	2.309	357.4	.9042	1.057	.6622	19.24
Desv. Est.	2.667	.1028	.0116	.705	1.8	.0827	.102	.1045	.22
% RSD	38.07	16.43	71.35	30.52	.5045	9.143	9.693	15.79	1.124
Rep #1	7.744	-.6974	.0203	2.090	357.3	.8452	.9471	.5555	19.00
Rep #2	4.048	-.5082	.0254	1.740	359.3	.8686	1.075	.7644	19.41
Rep #3	9.227	-.6725	.0032	3.097	355.7	.9987	1.150	.6666	19.32
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
35	Unk: GISC15-23839 12/01/2016 11:54:34 CONC x82.836 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.157	.0541	.0258	.4014	469.9	.3584	.5572	.3584	8.772
Desv. Est.	.230	.1185	.0043	.3430	.6	.0260	.0138	.1782	.204
% RSD	19.89	218.9	16.80	85.45	.1364	7.252	2.469	49.72	2.327
Rep #1	1.417	.1714	.0279	.1894	469.9	.3339	.5467	.2158	8.541

Rep #2	.9834	.0565	.0208	.2177	470.5	.3555	.5522	.5581	8.851
Rep #3	1.069	-.0656	.0287	.7971	469.2	.3857	.5728	.3012	8.926
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
36	Unk: GISC15-23840 12/01/2016 11:56:57 CONC x169.95 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	6.994	<.0000	.2733	1.474	349.2	.9903	2.117	1.577	28.15
Desv. Est.	.352	.4621	.0137	.092	3.1	.1021	.070	.077	.33
% RSD	5.029	140.6	5.028	6.260	.8921	10.31	3.292	4.915	1.167
Rep #1	6.598	-.2148	.2579	1.542	351.6	1.070	2.045	1.633	27.79
Rep #2	7.114	-.8370	.2779	1.369	350.3	1.026	2.124	1.488	28.44
Rep #3	7.271	.0658	.2842	1.510	345.7	.8752	2.184	1.608	28.23
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
37	Unk: GISC15-23868 12/01/2016 11:59:22 CONC x134.34 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	5.450	<.0000	.1213	1.980	547.3	.9176	1.196	.5532	60.84
Desv. Est.	2.841	.2309	.0065	.232	1.7	.0577	.050	.1806	.54
% RSD	52.13	154.5	5.376	11.74	.3060	6.283	4.160	32.65	.8797
Rep #1	8.721	-.0568	.1283	1.915	549.2	.8549	1.184	.4778	60.22
Rep #2	3.604	-.4122	.1202	2.238	546.3	.9296	1.251	.7593	61.18
Rep #3	4.025	.0207	.1154	1.787	546.4	.9683	1.154	.4224	61.11
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
38	Unk: GISC15-23875 12/01/2016 12:01:46 CONC x806.45 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	29.08	<.0000	.3702	.4214	1205.	1.483	1.802	1.609	82.19
Desv. Est.	6.49	.9617	.0718	3.247	21.	.030	.106	.955	.46
% RSD	22.33	40.25	19.39	770.5	1.777	2.056	5.854	59.33	.5550
Rep #1	23.42	-3.379	.4511	.3249	1222.	1.485	1.765	2.161	82.71
Rep #2	36.17	-2.330	.3450	-2.776	1211.	1.512	1.720	2.159	82.01
Rep #3	27.64	-1.458	.3143	3.715	1181.	1.452	1.921	.5066	81.85
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
39	Unk: GISC15-23882 12/01/2016 12:04:11 CONC x82.318 D MP 160112: UNAM (SANGRE):								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.847	.2319	.1006	.3491	497.7	.5260	.5938	.1407	12.85
Desv. Est.	.931	.3524	.0022	.3226	3.5	.0606	.0501	.1041	.45
% RSD	50.39	152.0	2.197	92.42	.7014	11.53	8.442	74.02	3.512
Rep #1	2.920	.6168	.1018	.7104	501.4	.4562	.5440	.0499	12.34
Rep #2	1.362	-.0749	.1020	.2469	494.5	.5647	.6442	.1178	13.00

1	Cal: Blanco 18/01/2016 10:57:53 IR D Hg 160118:
	Hg1942
Unidades	Cts/s
Media	-3.492
Desv. Est.	.300
% RSD	8.584
Rep #1	-3.838
Rep #2	-3.338
Rep #3	-3.301
2	Cal: STD 1 18/01/2016 10:59:33 IR D Hg 160118:
	Hg1942
Unidades	Cts/s
Media	50.07
Desv. Est.	.55
% RSD	1.093
Rep #1	50.63
Rep #2	50.02
Rep #3	49.54
3	Cal: STD 2 18/01/2016 11:01:16 IR D Hg 160118:
	Hg1942
Unidades	Cts/s
Media	152.8
Desv. Est.	8
% RSD	.5207
Rep #1	151.9
Rep #2	153.2
Rep #3	153.4
4	Cal: STD 3 18/01/2016 11:02:59 IR D Hg 160118:
	Hg1942
Unidades	Cts/s
Media	263.4
Desv. Est.	2.5
% RSD	.9431
Rep #1	266.2
Rep #2	262.2
Rep #3	261.8
5	Cal: STD 4 18/01/2016 11:05:05 IR D Hg 160118:
	Hg1942
Unidades	Cts/s
Media	527.3
Desv. Est.	1.2
% RSD	.2206
Rep #1	528.6
Rep #2	527.1
Rep #3	526.3
6	Blanco: REACTIVO 18/01/2016 11:06:56 CONC D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0000
Desv. Est.	.0000

% RSD	327.5
Rep #1	.0000
Rep #2	-.0000
Rep #3	.0000
7	Unk: MUESTRA 18/01/2016 11:08:35 CONC x100 D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0001
Desv. Est.	.0039
% RSD	4406.
Rep #1	.0012
Rep #2	-.0045
Rep #3	.0030
8	Unk: RECUPERACION 18/01/2016 11:10:21 CONC x100 D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.5063
Desv. Est.	.0007
% RSD	.1416
Rep #1	.5063
Rep #2	.5055
Rep #3	.5069
9	Unk: GISDC15-23706 18/01/2016 11:12:38 CONC x226.65 D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0122
Desv. Est.	.0079
% RSD	64.32
Rep #1	-.0032
Rep #2	-.0178
Rep #3	-.0157
10	Unk: GISDC15-23708 18/01/2016 11:14:15 CONC x105.57 D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0076
Desv. Est.	.0014
% RSD	17.84
Rep #1	-.0089
Rep #2	-.0062
Rep #3	-.0078
11	Unk: GISDC15-23710 18/01/2016 11:15:57 CONC x220.46 D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0239
Desv. Est.	.0029
% RSD	12.20
Rep #1	-.0219

Rep #2	-0272
Rep #3	-0225
12	Unk: GISDC15-23713 18/01/2016 11:18:13 CONC x164.26 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0132
Desv. Est.	.0076
% RSD	57.52
Rep #1	-0050
Rep #2	-0145
Rep #3	-0200
13	Unk: GISDC15-23714 18/01/2016 11:19:44 CONC x563.06 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0632
Desv. Est.	.0198
% RSD	31.33
Rep #1	-0753
Rep #2	-0403
Rep #3	-0739
14	Unk: GISDC15-23817 18/01/2016 11:21:16 CONC x342.47 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0214
Desv. Est.	.0112
% RSD	52.38
Rep #1	-0329
Rep #2	-0208
Rep #3	-0105
15	Unk: GISDC15-23819 18/01/2016 11:22:50 CONC x63.89 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0046
Desv. Est.	.0017
% RSD	36.95
Rep #1	-0047
Rep #2	-0028
Rep #3	-0062
16	QC: QC-N3 18/01/2016 11:24:22 CONC D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0049
Desv. Est.	.0000
% RSD	.9329
Rep #1	.0049
Rep #2	.0049
Rep #3	.0049

Comprobación	Pasa Comp
Valor	
Intervalo	
17	Unk: GISDC15-23820 18/01/2016 11:26:05 CONC x69.425 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0030
Desv. Est.	.0025
% RSD	85.10
Rep #1	-.0042
Rep #2	-.0046
Rep #3	-.0001
18	Unk: GISDC15-23822 18/01/2016 11:27:37 CONC x151.33 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0134
Desv. Est.	.0080
% RSD	59.48
Rep #1	-.0051
Rep #2	-.0140
Rep #3	-.0210
19	Unk: GISDC15-23823 18/01/2016 11:29:07 CONC x446.43 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0260
Desv. Est.	.0146
% RSD	55.93
Rep #1	-.0386
Rep #2	-.0101
Rep #3	-.0294
20	Unk: GISDC15-23824 18/01/2016 11:30:36 CONC x316.86 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0168
Desv. Est.	.0123
% RSD	73.18
Rep #1	-.0258
Rep #2	-.0028
Rep #3	-.0217
21	Unk: GISDC15-23826 18/01/2016 11:32:15 CONC x786.16 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0727
Desv. Est.	.0487
% RSD	67.01
Rep #1	-.1239
Rep #2	-.0670

Rep #3	-0270
22	Unk: GISDC15-23827 18/01/2016 11:33:45 CONC x293.43 DATE 160116 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0234
Desv. Est.	.0191
% RSD	81.70
Rep #1	-0380
Rep #2	-0305
Rep #3	-0017
23	Unk: GISDC15-23829 18/01/2016 11:35:34 CONC x110.18 DATE 160116 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0066
Desv. Est.	.0040
% RSD	59.47
Rep #1	-0031
Rep #2	-0109
Rep #3	-0059
24	Unk: GISDC15-23833 18/01/2016 11:37:35 CONC x112.31 DATE 160116 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0049
Desv. Est.	.0007
% RSD	15.24
Rep #1	-0057
Rep #2	-0042
Rep #3	-0048
25	Unk: GISDC15-23835 18/01/2016 11:39:13 CONC x211.69 DATE 160116 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-0070
Desv. Est.	.0136
% RSD	193.0
Rep #1	-0213
Rep #2	-0056
Rep #3	.0057
26	Unk: GISDC15-23836 18/01/2016 11:40:47 CONC x403.23 DATE 160116 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0403
Desv. Est.	.0225
% RSD	55.93
Rep #1	.0354
Rep #2	.0649
Rep #3	.0206

27	QC: QC-N3 18/01/2016 11:42:49 CONC D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0049
Desv. Est.	.0000
% RSD	.6430
Rep #1	.0049
Rep #2	.0049
Rep #3	.0050
Comprobación	Pasa Comp
Valor	
Intervalo	
28	Unk: GISDC15-23837 18/01/2016 11:44:33 CONC x250.5 D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0724
Desv. Est.	.0106
% RSD	14.71
Rep #1	.0778
Rep #2	.0792
Rep #3	.0601
29	Unk: GISDC15-23838 18/01/2016 11:46:03 CONC x170.65 D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0454
Desv. Est.	.0066
% RSD	14.49
Rep #1	.0378
Rep #2	.0498
Rep #3	.0486
30	Unk: GISDC15-23839 18/01/2016 11:47:49 CONC x169.95 D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0391
Desv. Est.	.0066
% RSD	16.82
Rep #1	.0466
Rep #2	.0367
Rep #3	.0341
31	Unk: GISDC15-23840 18/01/2016 11:49:22 CONC x169.95 D Hg 160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	.0436
Desv. Est.	.0011
% RSD	2.577
Rep #1	.0448
Rep #2	.0425

Rep #3	.0434
32	Unk: GISDC15-23868 18/01/2016 11:51:44 CONC x134.34 D 15-160110 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0101
Desv. Est.	.0038
% RSD	37.25
Rep #1	-.0142
Rep #2	-.0092
Rep #3	-.0068
33	Unk: GISDC15-23875 18/01/2016 11:53:30 CONC x806.45 D 15-160110 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0828
Desv. Est.	.0136
% RSD	16.39
Rep #1	-.0715
Rep #2	-.0790
Rep #3	-.0978
34	Unk: GISDC15-23882 18/01/2016 11:55:33 CONC x82.318 D 15-160110 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0054
Desv. Est.	.0039
% RSD	71.65
Rep #1	-.0065
Rep #2	-.0086
Rep #3	-.0011
35	Unk: GISDC15-23884 18/01/2016 11:57:13 CONC x248.26 D 15-160110 Hg1942
Línea	194.227 {47
Unidades	mg/kg
Media	-.0153
Desv. Est.	.0038
% RSD	24.74
Rep #1	-.0136
Rep #2	-.0196
Rep #3	-.0126

CONTENIDO

MUESTRAS BIOLÓGICAS

(Sangre Segundo Lote)

- 1.1 Informes de resultados de prueba**
- 1.2 Curva de calibración**
- 1.3 Evaluación de muestras de control de calidad**
- 1.4 Datos crudos de lote analítico**



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.
EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO.
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



Número de acreditación No. SA-159-005/11
Vigencia de acreditación a partir de 2011-05-10
"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

INFORME DE RESULTADOS DE PRUEBA

DATOS DE LA MUESTRA

Matriz: MB (Sangre)
Fecha de Recepción: 2015-11-20

INTERESADO

Nombre : Laboratorio Nacional de las Ciencias de la Sostenibilidad; Instituto de Ecología-UNAM
Dirección: Av. Universidad No. 3000, Col. UNAM, CU, Del. Coyoacán, Distrito Federal, CP 04510

DATOS DEL ANÁLISIS

Método: Determinación de metales y metaloides en agua y alimentos por Espectrometría de Emisión de Plasma de Acoplamiento Inductivo (ICP-OES)

Referencia: EPA 6010C-2007

Resultados: Ver hoja excell2015/11/20 (1)

Fecha de Analisis de Metales y Mercurio: 2016-01-13 2016-01-18

Fecha de Realización del Informe: 2016-01-19

IDENTIFICACIÓN CLIENTE

CODIGO

CLAVE DE IDENTIFICACIÓN

L-F0019/15/00181	A 98 (181-182)	GISC15-23886
L-F0019/15/00183	A 101 (183-184)	GISC15-23888
L-F0019/15/00186	A 104 (185-186)	GISC15-23891
L-F0019/15/00187	A 114 (187-188)	GISC15-23892
L-F0019/15/00189	A 137 (189-190)	GISC15-23894
L-F0020/15/00191	A 93 (191-192)	GISC15-23896
L-F0020/15/00193	A 88 (193-194)	GISC15-23898
L-F0020/15/00196	A 111 (195-196)	GISC15-23901
L-F0020/15/00197	A 105 (197,199)	GISC15-23902
L-F0020/15/00200	A 107 (198-200)	GISC15-23905
L-F0021/15/00201	A 131 (201-202)	GISC15-23995
L-F0021/15/00203	A 132 (203-204)	GISC15-23997
L-F0027/15/00261	FR 250 (260-266)	GISC15-23999
L-F0027/15/00268	FR 249 (267-273)	GISC15-24006
L-F0028/15/00274	FR 241(274-280)	GISC15-24012
L-F0029/15/00281	FR 263 (281-287)	GISC15-24019
L-F0029/15/00289	FR 281 (288-294)	GISC15-24027
L-F0030/15/00295	FR 302 (295-296)	GISC15-24033



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.

EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO,
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



Número de acreditación No. SA-159-005/11
Vigencia de acreditación a partir de 2011-05-10
"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

IDENTIFICACIÓN CLIENTE

L-F0030/15/00297
L-F0030/15/00299
L-F0031/15/00301
L-F0031/15/00303
L-F0031/15/00305
L-F0031/15/00307
L-F0031/15/00309
L-F0032/15/00311
L-F0032/15/00315
L-F0032/15/00317
L-F0032/15/00319
L-F0033/15/00326
L-F0034/15/00333
L-F0034/15/00340
L-F0035/15/00347
L-F0036/15/00359
L-F0037/15/00361
L-F0037/15/00363
L-F0037/15/00365
L-F0037/15/00367
L-F0037/15/00369
L-F0038/15/00371
L-F0038/15/00373
L-F0038/15/00375
L-F0038/15/00377
L-F0039/15/00385
L-F0040/15/00392
L-F0040/15/00399
L-F0041/15/00404
L-F0042/15/00413
L-F0042/15/00419

CODIGO

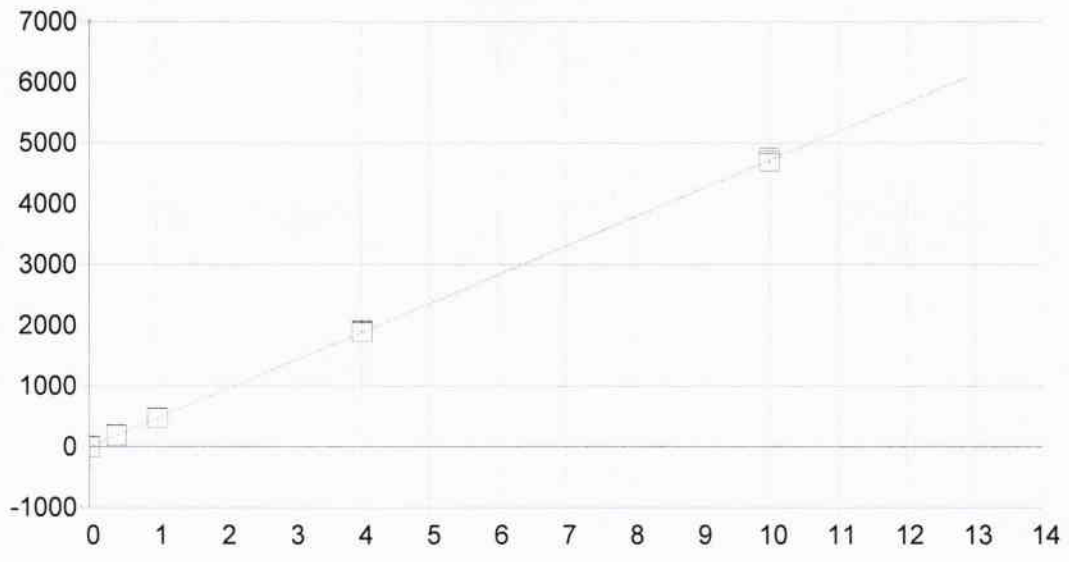
FR 290 (297-298)
FR 252 (299-300)
FR 291 (301-302)
FR 238 (303-304)
FR 326 (305-306)
FR 265 (307-308)
FR 251 (309-310)
FR 256 (311-312)
FR 262 (315-316)
FR 248 (317-318)
A 157 (319-325)
A 160 (326-332)
A 165 (333-339)
A 179 (340-346)
A 180 (347-353)
A 156 (359-360)
A 168 (361-362)
A 158 (363-364)
A 159 (365-366)
A 185 (367-368)
A 176 (369-370)
A 171 (371-372)
A 174 (373-374)
A 169 (375-376)
A 112 (377-378)
A 205 (379-385)
A 208 (386-392)
A 228 (393-399)
A 252 (400-406)
A 248 (407-413)
A 237 (414-420)

CLAVE DE IDENTIFICACIÓN

GISC15-24035
GISC15-24037
GISC15-24041
GISC15-24043
GISC15-24045
GISC15-24047
GISC15-24049
GISC15-24051
GISC15-24055
GISC15-24057
GISC15-24059
GISC15-24066
GISC15-24073
GISC15-24080
GISC15-24087
GISC15-24099
GISC15-24102
GISC15-24104
GISC15-24106
GISC15-24108
GISC15-24110
GISC15-24112
GISC15-24114
GISC15-24116
GISC15-24118
GISC15-24126
GISC15-24133
GISC15-24140
GISC15-24184
GISC15-24193
GISC15-24199

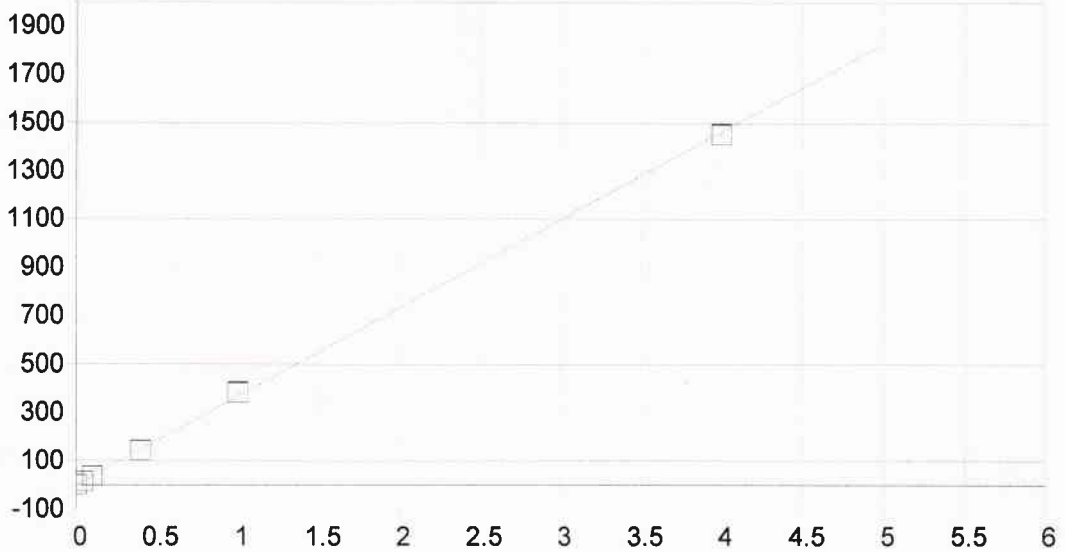
REVISÓ

Q.F.B. Leticia Velazquez Méndez
Gerente Técnico



AI 396.152 { 85}

Fecha de la	13/01/2016 20:29:35	Tipo de unió	Lineal	Ponderación:	1/Conc		
A0 (Compensación):	-0.370606	Reajustar P	1.000000				
A1 (Ganancia)	471.627962	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.999990	Estatus:	OK.				
Error Estándar de Est:	0.216864						
MDL:	0.017032						
MQL:	0.056773						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	-.37424	2.07	1
STD 5	.40000	.40766	.008	1.91	191.89	1.91	1
STD 6	1.0000	.99765	-.002	-.235	470.15	3.67	1
STD 7	4.0000	4.0201	.020	.502	1895.6	15.5	1
STD 8	10.000	9.9746	-.025	-.254	4703.9	45.3	1

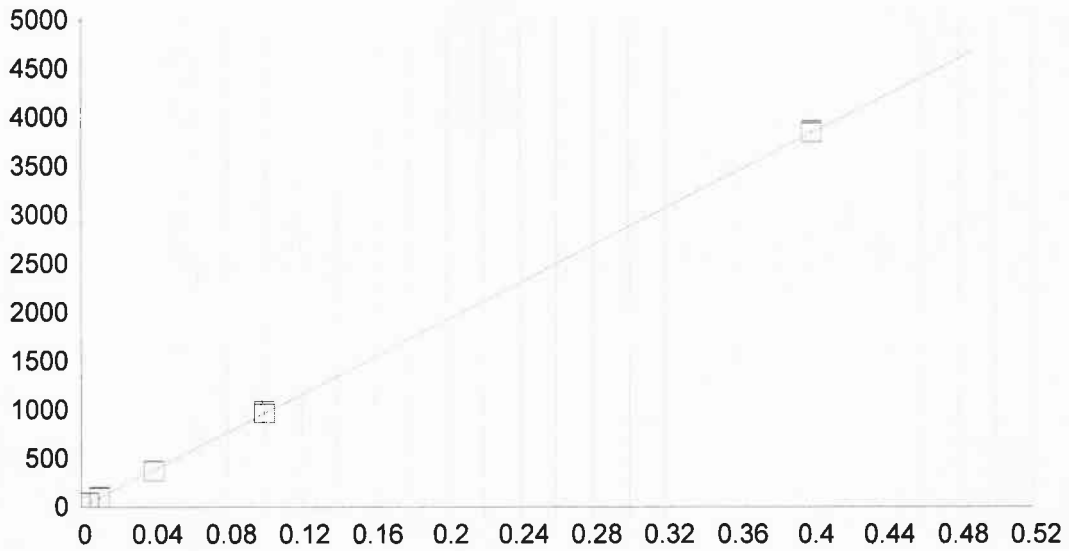


As 189.042 {478}

Fecha de la 13/01/2016 20:29:35 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 0.579056 Reajustar P 1.000000
 A1 (Ganancia) 365.980735 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999708 Estatus: OK.
 Error Estándar de Est: 0.161258
 MDL: 0.002314
 MQL: 0.007712

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	.58068	.800	1
STD 4	.10000	.09576	-.004	-4.24	35.625	.797	1
STD 5	.40000	.38701	-.013	-3.25	142.22	.658	1
STD 6	1.0000	1.0472	.047	4.72	383.82	2.05	1
STD 7	4.0000	3.9731	-.027	-.671	1454.7	2.21	1
STD 3	.04000	.03693	-.003	-7.67	14.096	.659	1

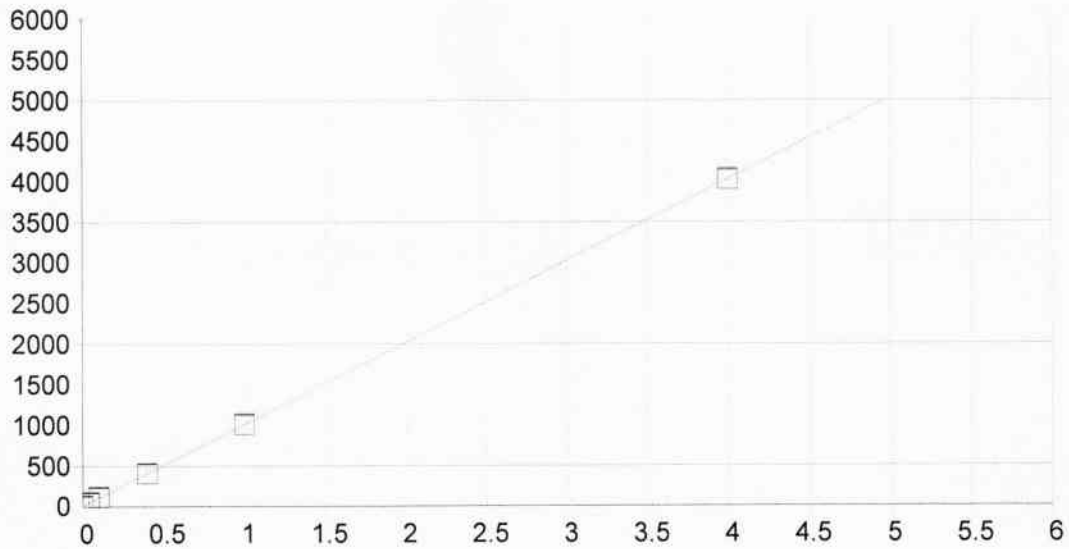


Cd 226.502 {449}

Fecha de la 13/01/2016 20:29:35 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación):	3.505880	Reajustar P	1.000000
A1 (Ganancia)	9615.684110	Y-int:	0.000000
A2 (Curvatura):	0.000000		
n (Exponente):	1.000000		
Correlación:	0.999930	Estatus:	OK.
Error Estándar de Est:	0.206918		
MDL:	0.000140		
MQL:	0.000466		

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	3.5087	.844	1
STD 1	.00400	.00386	-.000	-3.41	40.659	1.01	1
STD 2	.01000	.00990	-.000	-.976	98.724	4.26	1
STD 3	.04000	.03841	-.002	-3.97	372.86	1.60	1
STD 4	.10000	.10076	.001	.763	972.41	15.0	1
STD 5	.40000	.40106	.001	.265	3860.0	14.4	1

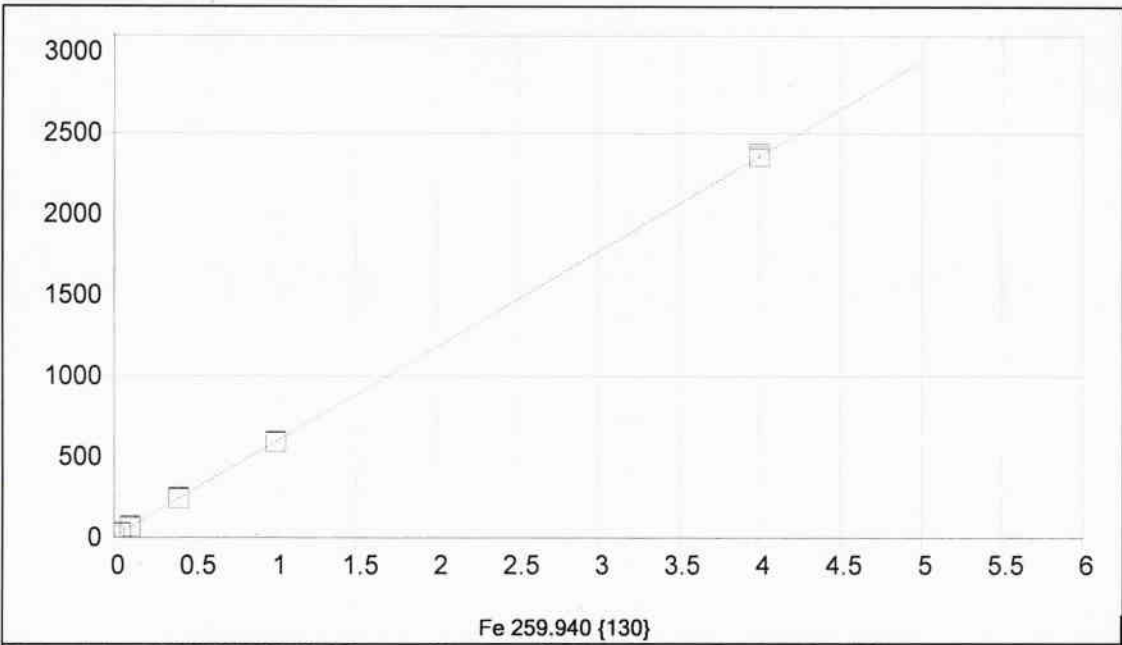


Cu 324.754 {104}

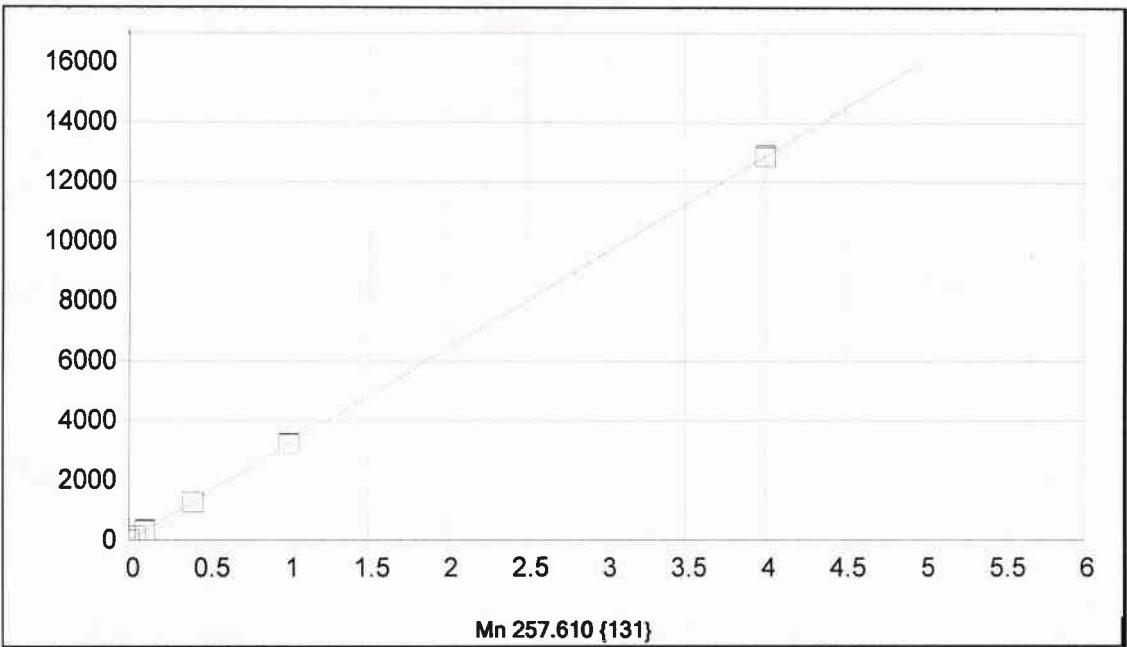
Fecha de la 13/01/2016 20:29:35 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 7.795786 Reajustar P 1.000000
 A1 (Ganancia) 1005.358893 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999959 Estatus: OK.
 Error Estándar de Est: 0.165080
 MDL: 0.004438
 MQL: 0.014792

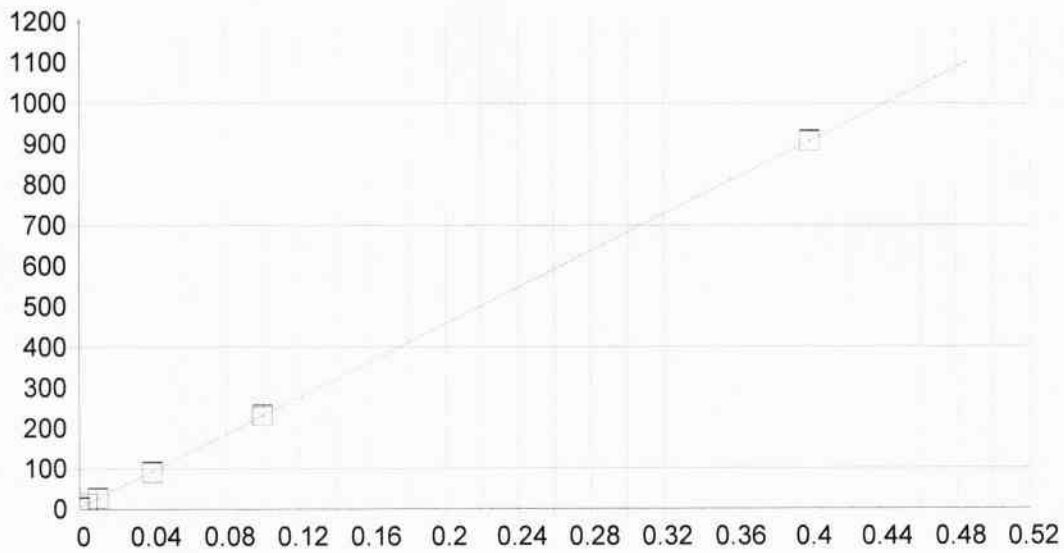
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	7.7924	2.59	1
STD 5	.40000	.39889	-.001	-.278	408.82	3.61	1
STD 6	1.0000	.99786	-.002	-.214	1011.0	7.87	1
STD 7	4.0000	3.9958	-.004	-.105	4025.0	9.98	1
STD 3	.04000	.04101	.001	2.54	49.030	5.06	1
STD 4	.10000	.10642	.006	6.42	114.78	5.47	1



Fecha de la	13/01/2016 20:29:35	Tipo de unió	Lineal	Ponderación:	1/Conc		
A0 (Compensación):	8.083838	Reajustar P	1.000000				
A1 (Ganancia)	586.953415	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.999925	Estatus:	OK.				
Error Estándar de Est:	0.131362						
MDL:	0.003818						
MQL:	0.012728						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	8.0867	.812	1
STD 5	.40000	.40219	.002	.549	244.15	3.10	1
STD 6	1.0000	.99579	-.004	-.421	592.57	1.61	1
STD 3	.04000	.03444	-.006	-13.9	28.300	.796	1
STD 4	.10000	.10157	.002	1.57	67.700	4.73	1
STD 7	4.0000	4.0060	.006	.150	2359.4	14.0	1



Fecha de la	13/01/2016 20:29:35	Tipo de unió	Lineal	Ponderación:	1/Conc		
A0 (Compensación):	3.061051	Reajustar P	1.000000				
A1 (Ganancia)	3215.117123	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.999987	Estatus:	OK.				
Error Estándar de Est:	0.301209						
MDL:	0.000723						
MQL:	0.002409						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	3.0633	1.38	1
STD 5	.40000	.39458	-.005	-1.36	1271.7	3.56	1
STD 6	1.0000	.99948	-.001	-.052	3216.5	15.8	1
STD 3	.04000	.03899	-.001	-2.52	128.42	.506	1
STD 4	.10000	.10203	.002	2.03	331.10	21.9	1
STD 7	4.0000	4.0049	.005	.123	12879.	34.6	1

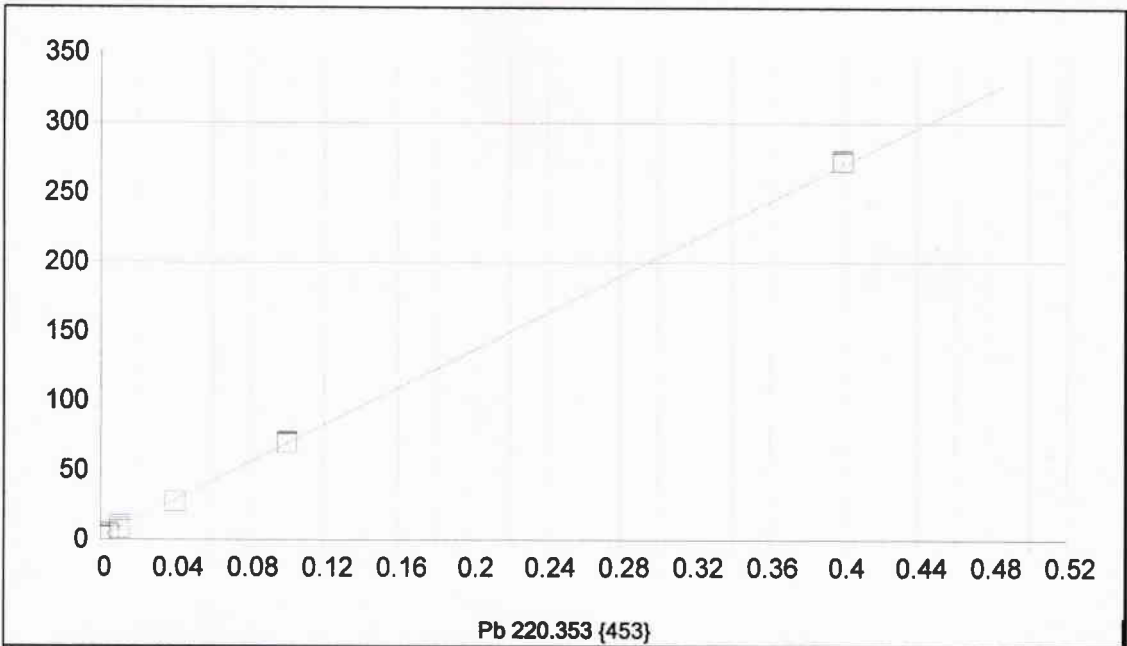


Ni 231.604 {446}

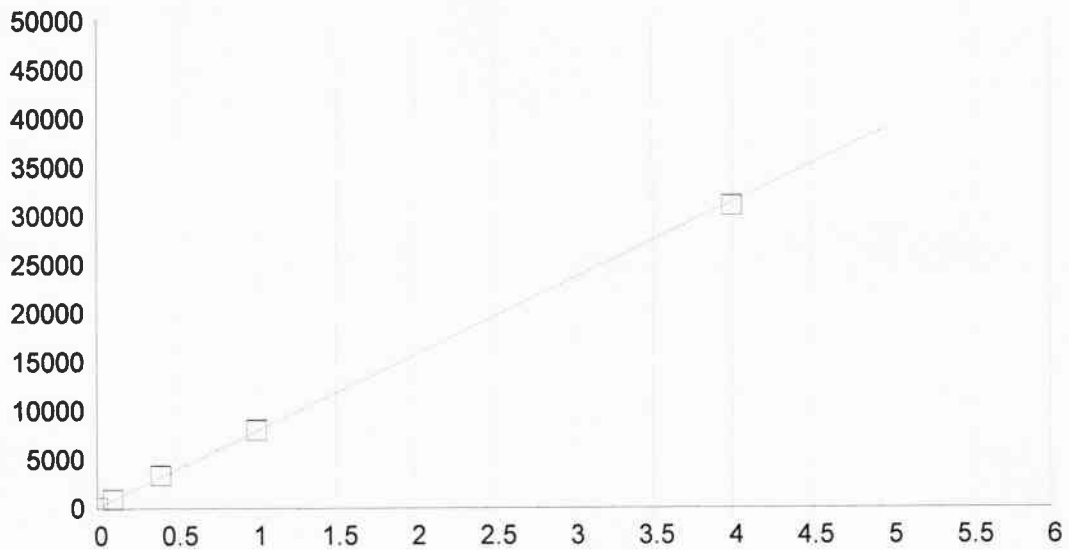
Fecha de la 13/01/2016 20:29:35 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 4.276545 Reajustar P 1.000000
 A1 (Ganancia) 2260.117356 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999905 Estatus: OK.
 Error Estándar de Est: 0.056678
 MDL: 0.000536
 MQL: 0.001788

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	4.2757	.994	1
STD 1	.00400	.00444	.000	11.1	14.318	.133	1
STD 2	.01000	.01009	.000	.891	27.079	.796	1
STD 3	.04000	.03859	-.001	-3.53	91.494	1.33	1
STD 4	.10000	.10073	.001	.732	231.94	2.77	1
STD 5	.40000	.40015	.000	.037	908.65	1.74	1



Fecha de la	13/01/2016 20:29:35	Tipo de unió	Lineal	Ponderación:	1/Conc		
A0 (Compensación):	2.337057	Reajustar P	1.000000				
A1 (Ganancia)	668.642474	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.999149	Estatus:	OK.				
Error Estándar de Est:	0.050274						
MDL:	0.001713						
MQL:	0.005709						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	2.3385	.275	1
STD 1	.00400	.00234	-.002	-41.4	3.9050	1.29	1
STD 2	.01000	.00918	-.001	-8.22	8.4741	1.85	1
STD 3	.04000	.03762	-.002	-5.96	27.488	.051	1
STD 4	.10000	.10072	.001	.715	69.680	.831	1
STD 5	.40000	.40415	.004	1.04	272.57	.872	1

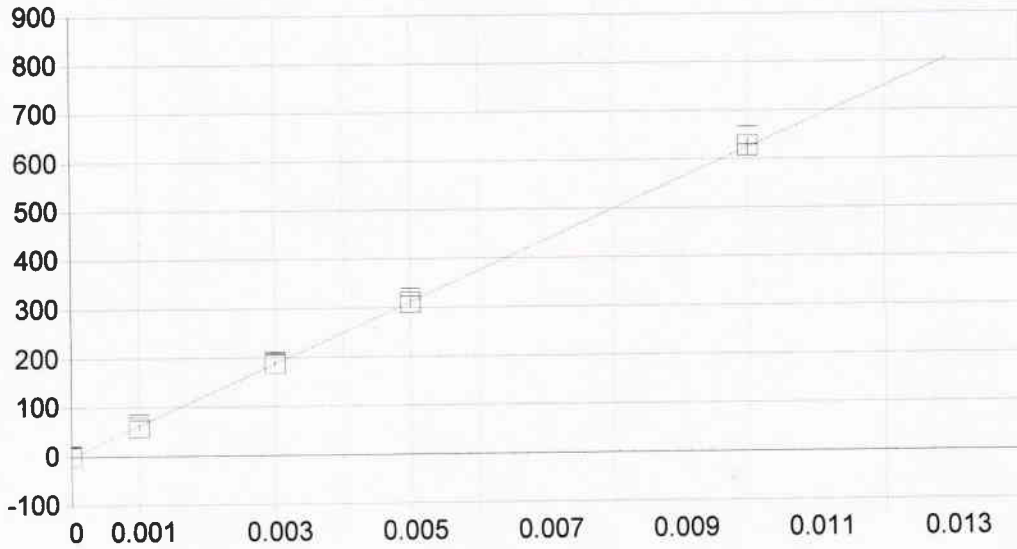


Zn 213.856 (458)

Fecha de la 13/01/2016 20:29:35 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 62.956800 Reajustar P 1.000000
 A1 (Ganancia) 7851.886463 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999706 Estatus: OK.
 Error Estándar de Est: 5.763261
 MDL: 0.000140
 MQL: 0.000466

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00002	-.000	.000	62.833	.862	1
STD 4	.10000	.10938	.009	9.38	921.80	11.0	1
STD 5	.40000	.42463	.025	6.16	3397.1	13.9	1
STD 6	1.0000	1.0152	.015	1.52	8034.4	29.1	1
STD 7	4.0000	3.9508	-.049	-1.23	31084.	23.2	1



Hg 194.227 {474}

Fecha de la 18/01/2016 17:31:24 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): -0.253007 Reajustar P 1.000000
 A1 (Ganancia) 62431.79280 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999923 Estatus: OK.
 Error Estándar de Est: 0.137756
 MDL: 0.000026
 MQL: 0.000085

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	-.25035	1.71	1
STD 1	.00100	.00095	-.000	-4.97	59.077	5.95	1
STD 2	.00300	.00302	.000	.584	188.14	2.48	1
STD 3	.00500	.00498	-.000	-.402	310.65	7.87	1
STD 4	.01000	.01005	.000	.523	627.33	18.8	1



Análisis:

METALES PESADOS POR ICP-OES

Lote analítico:

DMP-SANGRE-160113

Fecha de Análisis:

13/01/2016

Fecha de Reporte:

13/01/2016

CONCENTRACIONES DE LAS CURVAS DE CALIBRACION.

DESCRIPCIÓN	CONCENTRACION mg/L									
	Al	As	Cd	Cu	Fe	Mn	Ni	Pb	Zn	Hg
NIVEL 1			0.004				0.004	0.004		0.0010
NIVEL 2			0.010				0.010	0.010		0.0030
NIVEL 3		0.040	0.040	0.040	0.040	0.040	0.040	0.040		0.0050
NIVEL 4		0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0100
NIVEL 5	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	
NIVEL 6	1.000	1.000		1.000	1.000	1.000			1.000	
NIVEL 7	4.000	4.000		4.000	4.000	4.000			4.000	
NIVEL 8	10.000									
NIVEL 9										
Correlación	0.9999	0.9997	0.9999	0.9999	0.9999	0.9999	0.9999	0.9991	0.9997	0.9999

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No.1	Identificación	Analito	Concentración mg/L		% Recobro ²	No.1	Identificación	Analito	Concentración mg/L		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
10	QC: PatronQC	Aluminio	0.4000	0.4384	110	43	QC: PatronQC	Aluminio	0.4000	0.4377	109
		Arsénico	0.4000	0.3958	99			Arsénico	0.4000	0.3934	98
		Cadmio	0.4000	0.4290	107			Cadmio	0.4000	0.4259	106
		Cobre	0.4000	0.4357	109			Cobre	0.4000	0.4125	103
		Fierro	0.4000	0.4369	109			Fierro	0.4000	0.4141	104
		Manganeso	0.4000	0.4353	109			Manganeso	0.4000	0.4179	104
		Níquel	0.4000	0.4264	107			Níquel	0.4000	0.4216	105
		Plomo	0.4000	0.4301	108			Plomo	0.4000	0.4219	105
		Zinc	0.4000	0.4555	114			Zinc	0.4000	0.4483	112
21	QC: PatronQC	Aluminio	0.4000	0.4163	104	54	QC: PatronQC	Aluminio	0.4000	0.4319	108
		Arsénico	0.4000	0.3944	99			Arsénico	0.4000	0.4026	101
		Cadmio	0.4000	0.4225	106			Cadmio	0.4000	0.4303	108
		Cobre	0.4000	0.4249	106			Cobre	0.4000	0.4112	103
		Fierro	0.4000	0.4256	106			Fierro	0.4000	0.4061	102
		Manganeso	0.4000	0.4241	106			Manganeso	0.4000	0.4222	106
		Níquel	0.4000	0.4208	105			Níquel	0.4000	0.4227	106
		Plomo	0.4000	0.4233	106			Plomo	0.4000	0.4265	107
Zinc	0.4000	0.4481	112	Zinc	0.4000	0.4503	113				
32	QC: PatronQC	Aluminio	0.4000	0.4397	110	65	QC: PatronQC	Aluminio	0.4000	0.4351	109
		Arsénico	0.4000	0.3916	98			Arsénico	0.4000	0.4030	101
		Cadmio	0.4000	0.4235	106			Cadmio	0.4000	0.4314	108
		Cobre	0.4000	0.4214	105			Cobre	0.4000	0.4173	104
		Fierro	0.4000	0.4168	104			Fierro	0.4000	0.4098	102
		Manganeso	0.4000	0.4192	105			Manganeso	0.4000	0.4240	106
		Níquel	0.4000	0.4201	105			Níquel	0.4000	0.4244	106
		Plomo	0.4000	0.4220	106			Plomo	0.4000	0.4243	106
Zinc	0.4000	0.4466	112	Zinc	0.4000	0.4500	113				



Análisis:
 Lote analítico:
 Fecha de Análisis:
 Fecha de Reporte:

METALES PESADOS POR ICP-OES
 DMP-SANGRE-160113
 13/01/2016
 13/01/2016

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/L		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/Kg		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
69	QC: PatronQC	Aluminio	0.4000	0.4395	110	12	Recuperación	Aluminio	40.0000	42.4900	106
		Arsénico	0.4000	0.4024	101			Arsénico	40.0000	40.4300	101
		Cadmio	0.4000	0.4286	107			Cadmio	40.0000	43.9800	110
		Cobre	0.4000	0.4174	104			Cobre	40.0000	41.4200	104
		Fierro	0.4000	0.4102	103			Fierro	40.0000	40.2900	101
		Manganeso	0.4000	0.4288	107			Manganeso	40.0000	42.9800	107
		Niquel	0.4000	0.4231	106			Niquel	40.0000	43.2200	108
		Plomo	0.4000	0.4206	105			Plomo	40.0000	42.8900	107
		Zinc	0.4000	0.4462	112	Zinc	40.0000	45.4600	114		
5	QC: PatronQC	Mercurio	0.0050	0.0051	102	2	Recuperación	Mercurio	0.5000	0.5097	102
12	QC: PatronQC	Mercurio	0.0050	0.0051	102						
23	QC: PatronQC	Mercurio	0.0050	0.0050	100						
34	QC: PatronQC	Mercurio	0.0050	0.0050	100						
45	QC: PatronQC	Mercurio	0.0050	0.0050	100						
56	QC: PatronQC	Mercurio	0.0050	0.0051	102						

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUÍAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)

I.B.I. Gaudencio Vargas Espejel

ELABORÓ

Q.F.B. Leticia Velázquez Méndez

REVISÓ

PACE/GIS/I02-F01



Residuos Tóxicos

Hoja de Trabajo -Metales y Metaloides-

Clave	Matriz	Código	Fecha de Recepción	Peso (g)		
				Inicial	Final	Cantidad
GISC15-23886	Sangre	A 98 (181-182)	20/11/2015	1.2861	1.2532	0.0329
GISC15-23888	Sangre	A 101 (183-184)	20/11/2015	1.3575	1.2488	0.1087
GISC15-23891	Sangre	A 104 (185-186)	20/11/2015	1.3232	1.2762	0.047
GISC15-23892	Sangre	A 114 (187-188)	20/11/2015	1.3690	1.2861	0.0829
GISC15-23894	Sangre	A 137 (189-190)	20/11/2015	1.9565	1.9173	0.0392
GISC15-23896	Sangre	A 93 (191-192)	20/11/2015	1.4592	1.2921	0.1671
GISC15-23898	Sangre	A 88 (193-194)	20/11/2015	1.3671	1.2726	0.0945
GISC15-23901	Sangre	A 111 (195-196)	20/11/2015	1.3726	1.2797	0.0929
GISC15-23902	Sangre	A 105 (197,199)	20/11/2015	1.5347	1.2853	0.2494
GISC15-23905	Sangre	A 107 (198-200)	20/11/2015	1.3521	1.2884	0.0637
GISC15-23995	Sangre	A 131 (201-202)	20/11/2015	1.9545	1.8534	0.1011
GISC15-23997	Sangre	A 132 (203-204)	20/11/2015	1.9096	1.8511	0.0585
GISC15-23999	Sangre	FR 250 (260-266)	20/11/2015	1.4392	1.2779	0.1613
GISC15-24006	Sangre	FR 249 (267-273)	20/11/2015	1.6428	1.2933	0.3495
GISC15-24012	Sangre	FR 241(274-280)	20/11/2015	1.3485	1.2822	0.0663
GISC15-24019	Sangre	FR 263 (281-287)	20/11/2015	1.3936	1.2879	0.1057
GISC15-24027	Sangre	FR 281 (288-294)	20/11/2015	1.4705	1.3000	0.1705
GISC15-24033	Sangre	FR 302 (295-296)	20/11/2015	2.3618	1.8843	0.4775
GISC15-24035	Sangre	FR 290 (297-298)	20/11/2015	2.0128	1.8314	0.1754
GISC15-24037	Sangre	FR 252 (299-300)	20/11/2015	1.5808	1.2792	0.3016
GISC15-24041	Sangre	FR 291 (301-302)	20/11/2015	2.1105	1.8575	0.2530
GISC15-24043	Sangre	FR 238 (303-304)	20/11/2015	1.6683	1.2788	0.3895
GISC15-24045	Sangre	FR 326 (305-306)	20/11/2015	2.4026	1.8709	0.5317
GISC15-24047	Sangre	FR 265 (307-308)	20/11/2015	1.7043	1.2881	0.4162
GISC15-24049	Sangre	FR 251 (309-310)	20/11/2015	1.6914	1.2691	0.4223
GISC15-24051	Sangre	FR 256 (311-312)	20/11/2015	1.4905	1.3253	0.1652
GISC15-24053	Sangre	FR 260 (313-314)	20/11/2015	1.4330	1.2681	0.1649
GISC15-24055	Sangre	FR 262 (315-316)	20/11/2015	1.4046	1.2838	0.1208
GISC15-24057	Sangre	FR 248 (317-318)	20/11/2015	1.4065	1.2728	0.1337
GISC15-24059	Sangre	A 157 (319-325)	20/11/2015	1.3763	1.2777	0.0986

I. B. I. Gaudencio Vargas Espejel

I.B.I Gaudencio Vargas Espejel

Q.F.B. Leticia Melazquez Méndez

Q.F.B. Leticia Melazquez Méndez



Hoja de Trabajo -Metales y Metaloides-

Clave	Matriz	Código	Fecha de Recepción	Peso (g)		Cantidad
				Inicial	Final	
GISC15-24066	Sangre	A 160 (326-332)	20/11/2015	1.3196	1.2795	0.0401
GISC15-24073	Sangre	A 165 (333-339)	20/11/2015	1.7443	1.2760	0.4683
GISC15-24080	Sangre	A 179 (340-346)	20/11/2015	1.6685	1.2668	0.4017
GISC15-24087	Sangre	A 180 (347-353)	20/11/2015	1.3754	1.2787	0.0967
GISC15-24099	Sangre	A 156 (359-360)	20/11/2015	1.4312	1.3194	0.1118
GISC15-24102	Sangre	A 168 (361-362)	20/11/2015	1.6746	1.2801	0.3945
GISC15-24104	Sangre	A 158 (363-364)	20/11/2015	1.3717	1.3018	0.0699
GISC15-24106	Sangre	A 159 (365-366)	20/11/2015	1.3686	1.2726	0.0960
GISC15-24108	Sangre	A 185 (367-368)	20/11/2015	2.0191	1.8909	0.1282
GISC15-24110	Sangre	A 176 (369-370)	20/11/2015	1.3780	1.2902	0.0878
GISC15-24112	Sangre	A 171 (371-372)	20/11/2015	1.4336	1.3589	0.0747
GISC15-24114	Sangre	A 174 (373-374)	20/11/2015	1.4119	1.2616	0.1503
GISC15-24116	Sangre	A 169 (375-376)	20/11/2015	1.4536	1.2711	0.1825
GISC15-24118	Sangre	A 112 (377-378)	20/11/2015	1.4306	1.2680	0.1626
GISC15-24126	Sangre	A 205 (379-385)	20/11/2015	1.3917	1.2950	0.0967
GISC15-24133	Sangre	A 208 (386-392)	20/11/2015	1.5839	1.3001	0.2838
GISC15-24140	Sangre	A 228 (393-399)	20/11/2015	1.3646	1.2817	0.0829
GISC15-24184	Sangre	A 252 (400-406)	20/11/2015	1.4101	1.2788	0.1313
GISC15-24193	Sangre	A 248 (407-413)	20/11/2015	1.3500	1.2832	0.0668
GISC15-24199	Sangre	A 237 (414-420)	20/11/2015	1.6043	1.3000	0.3043

I.B.I Gaudencio Vargas Espejel

Q.F.B. Leticia Velazquez Méndez

1	Cal: Blanco 13/01/2016 10:10:01 IR D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	
Media	-3.742	.5807	3.509	7.792	8.087	3.063	4.276	2.338	62.83	
Desv. Est.	2.072	.8002	.844	2.586	.812	1.382	.994	.276	.86	
% RSD	553.6	137.8	24.06	33.19	10.04	45.12	23.24	11.78	1.372	
Rep #1	-1.695	1.359	3.507	10.77	8.520	2.900	5.280	2.575	62.66	
Rep #2	2.014	-2.400	2.665	6.136	8.590	1.770	3.293	2.036	63.77	
Rep #3	-1.441	.6233	4.354	6.468	7.150	4.520	4.254	2.405	62.07	
2	Cal: STD 1 13/01/2016 10:12:35 IR D MP-160113:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	40.66	14.32	3.905							
Desv. Est.	1.01	.13	1.291							
% RSD	2.488	.9268	33.06							
Rep #1	39.72	14.25	3.497							
Rep #2	41.73	14.23	2.867							
Rep #3	40.53	14.47	5.351							
3	Cal: STD 2 13/01/2016 10:15:12 IR D MP-160113:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	98.72	27.08	8.474							
Desv. Est.	4.25	.80	1.847							
% RSD	4.310	2.941	21.79							
Rep #1	94.51	26.91	8.747							
Rep #2	103.0	27.95	10.17							
Rep #3	98.63	26.38	6.506							
4	Cal: STD 3 13/01/2016 10:17:34 IR D MP-160113:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203			
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	14.10	372.9	49.03	28.30	128.4	91.49	27.49			
Desv. Est.	.66	1.6	5.06	.80	.5	1.33	.05			
% RSD	4.678	.4293	10.32	2.812	.3943	1.457	.1846			
Rep #1	13.41	373.2	44.56	29.16	129.0	92.01	27.47			
Rep #2	14.72	374.3	48.00	27.59	127.9	92.49	27.55			
Rep #3	14.16	371.1	54.53	28.15	128.4	89.98	27.45			
5	Cal: STD 4 13/01/2016 10:20:03 IR D MP-160113:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138		
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45		
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s		
Media	35.63	972.4	114.8	67.70	331.1	231.9	69.68	921.8		
Desv. Est.	.80	15.0	5.5	4.73	21.9	2.8	.83	11.0		
% RSD	2.237	1.545	4.768	6.986	6.602	1.195	1.192	1.193		
Rep #1	36.37	969.1	114.8	64.48	317.0	232.8	68.79	918.9		
Rep #2	35.72	988.8	109.3	65.49	320.1	234.2	69.81	934.0		
Rep #3	34.78	959.3	120.3	73.13	356.3	228.8	70.44	912.6		
6	Cal: STD 5 13/01/2016 10:22:21 IR D MP-160113:									

	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s
Media	191.9	142.2	3860.	408.8	244.2	1272.	908.7	272.6	3397.
Desv. Est.	1.9	.7	14.	3.6	3.1	4.	1.7	.9	14.
% RSD	.9973	.4629	.3726	.8840	1.268	.2798	.1918	.3199	.4091
Rep #1	192.4	143.0	3846.	413.0	241.9	1275.	907.2	272.1	3387.
Rep #2	189.8	141.9	3859.	406.4	247.7	1271.	908.2	272.0	3391.
Rep #3	193.5	141.7	3875.	407.1	242.8	1268.	910.6	273.6	3413.
7	Cal: STD 6 13/01/2016 10:24:42 IR D MP-160113:								
	Al3961	As1890	Cu3247	Fe2599	Mn2576	Zn2138			
Línea	396.152 { 85	189.042 {47	324.754 {10	259.940 {13	257.610 {13	213.856 {45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	470.2	383.8	1011.	592.6	3217.	8034.			
Desv. Est.	3.7	2.1	8.	1.6	16.	29.			
% RSD	.7811	.5345	.7784	.2712	.4924	.3625			
Rep #1	465.9	385.8	1020.	592.5	3232.	8063.			
Rep #2	472.0	381.7	1006.	594.2	3218.	8005.			
Rep #3	472.6	384.0	1007.	591.0	3200.	8035.			
8	Cal: STD 7 13/01/2016 10:27:08 IR D MP-160113:								
	Al3961	As1890	Cu3247	Fe2599	Mn2576	Zn2138			
Línea	396.152 { 85	189.042 {47	324.754 {10	259.940 {13	257.610 {13	213.856 {45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	1896.	1455.	4025.	2359.	12880.	31080.			
Desv. Est.	16.	2.	10.	14.	35.	23.			
% RSD	.8190	.1518	.2480	.5917	.2687	.0745			
Rep #1	1902.	1457.	4014.	2343.	12850.	31070.			
Rep #2	1907.	1453.	4028.	2367.	12920.	31070.			
Rep #3	1878.	1454.	4033.	2368.	12870.	31110.			
9	Cal: STD 8 13/01/2016 10:29:26 IR D MP-160113:								
	Al3961								
Línea	396.152 { 85								
Unidades	Cts/s								
Media	4704.								
Desv. Est.	45.								
% RSD	.9641								
Rep #1	4666.								
Rep #2	4754.								
Rep #3	4692.								
10	QC: PatrónQC 13/01/2016 10:31:58 CONC D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4384	.3958	.4290	.4357	.4369	.4353	.4264	.4301	.4555
Desv. Est.	.0233	.0049	.0040	.0046	.0045	.0046	.0036	.0033	.0035
% RSD	5.305	1.238	.9213	1.047	1.031	1.066	.8526	.7713	.7665
Rep #1	.4581	.3984	.4321	.4409	.4420	.4401	.4292	.4329	.4573
Rep #2	.4128	.3989	.4303	.4322	.4336	.4350	.4277	.4310	.4576
Rep #3	.4443	.3902	.4245	.4341	.4350	.4308	.4223	.4265	.4514
Comprobación	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									

11	Unk: BLANCO 13/01/2016 10:33:58 CONC D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	.0083	.0006	.0026	.0056	<.0000	.0023	.0027	.0028	.0028	
Desv. Est.	.0079	.0013	.0003	.0038	.0029	.0009	.0007	.0009	.0005	
% RSD	95.38	216.1	10.29	68.24	81.34	40.82	26.30	30.84	17.07	
Rep #1	.0107	.0020	.0029	.0018	-.0068	.0012	.0033	.0021	.0034	
Rep #2	.0147	.0004	.0024	.0056	-.0028	.0027	.0029	.0038	.0026	
Rep #3	-.0005	-.0006	.0025	.0094	-.0011	.0029	.0019	.0026	.0025	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
12	Unk: RECUPERACION 13/01/2016 10:36:24 CONC x100 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	42.49	40.43	43.98	41.42	40.29	42.98	43.22	42.89	45.46	
Desv. Est.	1.36	.60	.71	.38	.05	.10	.57	.72	.80	
% RSD	3.206	1.480	1.618	.9107	.1294	.2238	1.330	1.691	1.768	
Rep #1	43.86	40.29	43.58	41.80	40.36	43.05	42.95	42.70	44.96	
Rep #2	42.48	39.92	43.57	41.41	40.26	42.87	42.84	42.27	45.02	
Rep #3	41.13	41.09	44.81	41.05	40.26	43.01	43.88	43.68	46.38	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
13	Blanco: REACTIVO 13/01/2016 10:38:38 CONC x100 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	1.823	.2304	.3575	.6575	-.3340	.1851	.3770	.2067	.4268	
Desv. Est.	.634	.1659	.3487	.4322	.0881	.0714	.3401	.1888	.3357	
% RSD	34.76	72.00	97.53	65.74	26.39	38.59	90.20	91.31	78.65	
Rep #1	2.464	.3575	.1258	1.130	-.3244	.2457	.1472	.0043	.1895	
Rep #2	1.807	.0427	.1882	.2816	-.4266	.2034	.2161	.3778	.2801	
Rep #3	1.197	.2911	.7585	.5611	-.2511	.1063	.7677	.2381	.8108	
Comprobació										
Valor										
Intervalo										
14	Unk: GISC15-23886 13/01/2016 10:41:48 CONC x759.88 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	40.22	<.0000	<.0000	2.264	1055.	.0076	.9259	<.0000	11.02	
Desv. Est.	.31	1.419	.0960	1.113	27.	.4881	.2645	.4762	.33	
% RSD	.7821	53.64	10.53	49.15	2.553	6394.	28.56	57.70	2.972	
Rep #1	40.58	-1.617	-.8465	1.579	1079.	.5709	1.177	-.6517	11.33	
Rep #2	40.06	-2.053	-1.022	3.547	1060.	-.2586	.9512	-.4601	11.06	
Rep #3	40.02	-4.263	-.8675	1.665	1026.	-.2894	.6497	-1.364	10.68	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
15	Unk: GISC15-23888 13/01/2016 10:44:10 CONC x229.99 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	

Media	4.814	<.0000	<.0000	.2231	343.8	<.0000	<.0000	<.0000	2.090
Desv. Est.	1.514	.1075	.0480	.1720	2.0	.1011	.0320	.1190	.059
% RSD	31.45	44.61	12.58	77.08	.5679	71.05	7.143	150.9	2.832
Rep #1	6.559	-.3391	-.4298	.1352	346.0	-.2531	-.4704	.0566	2.025
Rep #2	4.037	-.2578	-.3338	.1129	342.2	-.0554	-.4117	-.1266	2.140
Rep #3	3.846	-.1261	-.3817	.4213	343.3	-.1182	-.4633	-.1665	2.106
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
20	Unk: GISC15-23898 13/01/2016 10:56:42 CONC x264.55 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	8.451	<.0000	<.0000	<.0000	366.0	<.0000	<.0000	<.0000	2.743
Desv. Est.	1.768	.3588	.0929	.8411	3.9	.2235	.0622	.3787	.134
% RSD	20.93	80.28	24.45	206.3	1.071	837.4	14.16	334.4	4.892
Rep #1	8.072	-.8514	-.4128	.5206	370.3	.2311	-.5088	-.5466	2.796
Rep #2	6.904	-.1672	-.2751	-1.119	365.1	-.1655	-.3883	.1534	2.843
Rep #3	10.38	-.3222	-.4521	-.6241	362.6	-.1457	-.4216	.0536	2.591
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
21	QC: Patr3nQC 13/01/2016 11:04:21 CONC D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4163	.3944	.4225	.4249	.4256	.4241	.4208	.4233	.4481
Desv. Est.	.0009	.0029	.0031	.0072	.0065	.0042	.0028	.0058	.0044
% RSD	.2127	.7314	.7368	1.701	1.519	.9973	.6686	1.370	.9846
Rep #1	.4165	.3932	.4232	.4255	.4285	.4280	.4214	.4243	.4498
Rep #2	.4171	.3976	.4252	.4174	.4182	.4196	.4232	.4285	.4515
Rep #3	.4154	.3922	.4191	.4318	.4301	.4246	.4177	.4170	.4431
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
22	Unk: GISC15-23901 13/01/2016 11:06:31 CONC x269.11 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	11.57	<.0000	<.0000	<.0000	438.0	<.0000	<.0000	<.0000	3.602
Desv. Est.	2.70	.4851	.0249	.3420	5.7	.1250	.0751	.2864	.022
% RSD	23.33	49.61	5.020	45.55	1.296	56.01	10.60	164.8	.6079
Rep #1	14.44	-.5027	-.4786	-.6539	444.3	-.3551	-.7765	.1512	3.587
Rep #2	9.073	-1.472	-.5247	-.4678	433.3	-.1065	-.7206	-.2834	3.627
Rep #3	11.21	-.9585	-.4852	-1.131	436.4	-.2078	-.6278	-.3892	3.592
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
23	Unk: GISC15-23902 13/01/2016 11:09:19 CONC x100.24 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	3.456	<.0000	<.0000	<.0000	391.3	<.0000	<.0000	<.0000	2.318

Desv. Est.	1.316	.1492	.0107	.3131	2.6	.0206	.0256	.0597	.015
% RSD	38.06	67.99	2.644	90.76	.6756	20.42	5.196	19.03	.6637
Rep #1	3.150	-.0522	-.4155	-.2442	392.9	-.0804	-.4859	-.3629	2.302
Rep #2	4.898	-.3388	-.3941	-.6961	388.3	-.1004	-.4722	-.3307	2.319
Rep #3	2.321	-.2673	-.4044	-.0947	392.8	-.1216	-.5219	-.2473	2.332
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
24	Unk: GISC15-23905 13/01/2016 11:11:39 CONC x392.46 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	24.34	<.0000	<.0000	<.0000	370.2	<.0000	<.0000	<.0000	2.506
Desv. Est.	6.10	.8245	.0017	1.374	1.2	.1431	.0377	.2630	.024
% RSD	25.05	64.80	.2661	1243.	.3194	116.3	4.206	64.52	.9619
Rep #1	23.24	-2.198	-.6471	1.184	371.5	-.0510	-.8523	-.6573	2.484
Rep #2	18.87	-1.004	-.6503	.0362	370.1	-.0302	-.9205	-.4326	2.502
Rep #3	30.92	-.6155	-.6476	-1.552	369.1	-.2878	-.9142	-.1330	2.532
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
25	Unk: GISC15-23995 13/01/2016 11:14:01 CONC x247.28 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	9.362	<.0000	<.0000	<.0000	355.4	<.0000	<.0000	<.0000	5.545
Desv. Est.	1.661	.3010	.0250	.1564	2.6	.1043	.0834	.0897	.055
% RSD	17.75	87.71	4.802	32.26	.7363	94.71	17.25	27.36	.9982
Rep #1	9.992	-.3417	-.5402	-.6341	358.3	.0009	-.5564	-.4297	5.484
Rep #2	7.478	-.0429	-.5274	-.3222	353.3	-.2060	-.3925	-.2603	5.561
Rep #3	10.62	-.6450	-.4920	-.4977	354.6	-.1252	-.5010	-.2938	5.591
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
26	Unk: GISC15-23997 13/01/2016 11:16:20 CONC x427.35 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	20.91	<.0000	<.0000	.5925	359.7	<.0000	<.0000	<.0000	2.040
Desv. Est.	2.95	.5278	.0307	2.055	4.0	.2461	.2753	.1507	.071
% RSD	14.09	103.3	6.261	346.8	1.110	97.26	37.09	48.83	3.459
Rep #1	18.13	.0638	-.5253	.2949	360.2	-.0244	-.9496	-.4484	1.964
Rep #2	24.00	-.6225	-.4792	-1.297	363.4	-.5136	-.8474	-.3285	2.053
Rep #3	20.60	-.9741	-.4671	2.780	355.5	-.2212	-.4299	-.1490	2.103
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
27	Unk: GISC15-23999 13/01/2016 11:18:42 CONC x154.99 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	6.323	<.0000	<.0000	.3417	330.7	<.0000	<.0000	<.0000	2.879
Desv. Est.	1.084	.2103	.0269	.3473	.8	.0551	.0385	.1459	.016

% RSD	17.15	38.28	6.443	101.6	.2334	44.72	7.436	33.45	.5544
Rep #1	7.573	-.7918	-.4453	-.0542	331.4	-.1760	-.5601	-.4006	2.870
Rep #2	5.628	-.4202	-.4144	.4847	330.8	-.1273	-.4859	-.5966	2.870
Rep #3	5.770	-.4357	-.3918	.5947	329.8	-.0661	-.5055	-.3114	2.898
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
28	Unk: GISC15-24006 13/01/2016 11:21:08 CONC x71.531 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.680	<.0000	<.0000	.1148	416.5	<.0000	<.0000	<.0000	3.049
Desv. Est.	.345	.0742	.0085	.2469	1.7	.0458	.0385	.0783	.024
% RSD	20.52	74.32	2.219	215.1	.4018	27.49	9.318	27.71	.7693
Rep #1	2.076	-.1847	-.3784	-.0547	416.4	-.1171	-.4260	-.3685	3.069
Rep #2	1.514	-.0678	-.3777	.0009	414.8	-.2074	-.4428	-.2150	3.056
Rep #3	1.449	-.0470	-.3927	.3981	418.2	-.1758	-.3694	-.2647	3.023
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
29	Unk: GISC15-24012 13/01/2016 11:23:34 CONC x377.07 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	14.24	<.0000	<.0000	<.0000	575.8	<.0000	<.0000	<.0000	2.036
Desv. Est.	2.27	.3738	.0403	.7000	25.0	.1615	.1977	.1983	.077
% RSD	15.95	67.07	6.893	301.7	4.345	55.25	24.40	54.32	3.776
Rep #1	16.02	-.5226	-.5600	-.6764	547.5	-.4726	-.6090	-.4968	1.948
Rep #2	11.69	-.9472	-.6308	-.5945	595.0	-.2439	-.8169	-.4614	2.089
Rep #3	15.02	-.2021	-.5621	.5750	584.9	-.1606	-.1004	-.1370	2.071
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
30	Unk: GISC15-24019 13/01/2016 11:25:54 CONC x236.52 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	9.488	<.0000	<.0000	.2738	502.9	<.0000	<.0000	<.0000	1.840
Desv. Est.	1.598	.2767	.0121	.5753	9.1	.0734	.1054	.1222	.067
% RSD	16.85	38.33	2.266	210.1	1.819	55.79	17.60	68.34	3.663
Rep #1	9.258	-.9910	-.5193	.4267	512.3	-.1418	-.7207	-.0835	1.917
Rep #2	11.19	-.4381	-.5340	-.3624	502.5	-.1992	-.5379	-.3166	1.812
Rep #3	8.017	-.7368	-.5432	.7572	494.0	-.0535	-.5383	-.1364	1.792
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
31	Unk: GISC15-24027 13/01/2016 11:28:15 CONC x146.63 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	6.187	<.0000	<.0000	<.0000	527.9	<.0000	<.0000	<.0000	2.064
Desv. Est.	.765	.2737	.0027	.5717	3.8	.0387	.0378	.0280	.032
% RSD	12.37	1283.	.6037	444.8	.7138	16.22	7.533	8.604	1.542

Rep #1	6.609	.2920	-.4498	-.0622	530.4	-.2828	-.5376	-.3310	2.042
Rep #2	5.304	-.1428	-.4549	.4071	529.8	-.2203	-.4623	-.2945	2.050
Rep #3	6.648	-.2132	-.4542	-.7305	523.6	-.2121	-.5058	-.3494	2.101
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
32	QC: Patr3nQC 13/01/2016 11:34:39 CONC D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4397	.3916	.4235	.4214	.4168	.4192	.4201	.4220	.4466
Desv. Est.	.0011	.0026	.0023	.0020	.0117	.0089	.0033	.0029	.0028
% RSD	.2473	.6550	.5511	.4686	2.813	2.131	.7962	.6856	.6329
Rep #1	.4397	.3889	.4219	.4191	.4064	.4147	.4175	.4197	.4463
Rep #2	.4409	.3920	.4262	.4222	.4146	.4135	.4239	.4252	.4496
Rep #3	.4387	.3940	.4225	.4228	.4295	.4295	.4189	.4210	.4439
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
33	Unk: GISC15-24033 13/01/2016 11:36:50 CONC x52.356 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.2436	<.0000	<.0000	<.0000	357.2	<.0000	<.0000	<.0000	3.217
Desv. Est.	.6412	.1027	.0015	.2640	2.9	.0128	.0231	.0146	.014
% RSD	263.2	419.4	.3998	122.9	.8046	7.530	5.682	5.887	.4490
Rep #1	-.2245	.0478	-.3775	-.2416	360.5	-.1552	-.4223	-.2555	3.234
Rep #2	-.0191	-.1421	-.3785	.0616	355.3	-.1742	-.4169	-.2557	3.209
Rep #3	.9745	.0208	-.3755	-.4644	355.8	-.1795	-.3799	-.2304	3.209
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
34	Unk: GISC15-24035 13/01/2016 11:39:45 CONC x142.53 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	4.830	<.0000	<.0000	.0556	204.2	<.0000	<.0000	<.0000	2.142
Desv. Est.	.472	.2723	.0145	.1744	12.7	.1082	.1209	.1634	.122
% RSD	9.781	52.80	3.213	313.7	6.236	54.35	28.44	54.94	5.681
Rep #1	4.326	-.5633	-.4577	.1879	196.3	-.0925	-.3973	-.1651	2.004
Rep #2	4.900	-.2227	-.4357	-.1420	197.3	-.3089	-.3204	-.2472	2.186
Rep #3	5.263	-.7610	-.4631	.1209	218.8	-.1958	-.5574	-.4802	2.235
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
35	Unk: GISC15-24037 13/01/2016 11:42:08 CONC x82.891 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.466	<.0000	<.0000	.0901	450.2	<.0000	<.0000	<.0000	3.458
Desv. Est.	1.107	.1294	.0048	.0595	6.0	.0148	.0184	.0142	.026
% RSD	75.52	84.82	1.196	65.99	1.341	10.17	3.605	4.520	.7457
Rep #1	.8198	-.0206	-.4071	.1212	452.9	-.1462	-.5185	-.2979	3.486

Rep #2	2.744	-.2793	-.3984	.1276	454.4	-.1308	-.4894	-.3198	3.455
Rep #3	.8334	-.1578	-.3992	.0215	443.3	-.1604	-.5235	-.3244	3.434
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
36	Unk: GISC15-24041 13/01/2016 11:44:47 CONC x98.814 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	8.530	<.0000	<.0000	<.0000	408.1	<.0000	<.0000	<.0000	3.573
Desv. Est.	1.246	.1489	.0027	.2873	1.0	.0754	.0351	.0946	.018
% RSD	14.60	50.23	.6623	359.0	.2460	69.14	7.266	35.27	.5065
Rep #1	9.663	-.2158	-.4095	-.2617	409.2	-.1892	-.5183	-.2608	3.578
Rep #2	8.731	-.2053	-.4150	.2512	407.2	-.0395	-.4481	-.1775	3.553
Rep #3	7.196	-.4684	-.4124	-.2295	407.9	-.0985	-.4818	-.3662	3.589
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
37	Unk: GISC15-24043 13/01/2016 11:47:31 CONC x64.185 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.638	<.0000	<.0000	<.0000	128.6	<.0000	<.0000	<.0000	1.694
Desv. Est.	.835	.0277	.0054	.0762	.7	.0187	.0258	.0590	.011
% RSD	50.96	7.541	1.352	14.57	.5482	8.283	6.166	22.85	.6365
Rep #1	1.249	-.3906	-.3985	-.4825	129.4	-.2043	-.4428	-.2539	1.705
Rep #2	2.596	-.3733	-.4006	-.4759	128.2	-.2379	-.3914	-.2017	1.692
Rep #3	1.069	-.3365	-.4088	-.6111	128.1	-.2355	-.4202	-.3195	1.684
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
38	Unk: GISC15-24045 13/01/2016 11:49:37 CONC x47.019 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.0496	<.0000	<.0000	<.0000	160.5	<.0000	<.0000	<.0000	1.289
Desv. Est.	.5358	.0636	.0033	.1438	1.5	.0179	.0061	.0098	.007
% RSD	1080.	30.60	.8785	102.7	.9059	8.930	1.738	4.539	.5156
Rep #1	-.5469	-.1614	-.3782	.0172	161.3	-.2031	-.3585	-.2043	1.291
Rep #2	.4899	-.1819	-.3848	-.1726	161.5	-.2170	-.3467	-.2216	1.295
Rep #3	.2058	-.2804	-.3804	-.2649	158.9	-.1815	-.3556	-.2209	1.282
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
39	Unk: GISC15-24047 13/01/2016 11:52:02 CONC x60.067 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.793	<.0000	<.0000	<.0000	420.1	<.0000	<.0000	<.0000	14.24
Desv. Est.	.431	.0499	.0004	.0251	3.1	.0155	.0147	.0892	.08
% RSD	24.06	40.97	.1148	85.73	.7490	9.832	3.541	37.09	.5962
Rep #1	1.526	-.1771	-.3718	-.0568	416.5	-.1665	-.4300	-.1504	14.29
Rep #2	1.562	-.0797	-.3719	-.0234	422.2	-.1663	-.4132	-.2421	14.14

Rep #3	2.291	-.1090	-.3726	-.0076	421.6	-.1396	-.4007	-.3286	14.28
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
40	Unk: GISC15-24049 13/01/2016 11:54:44 CONC x59.2 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.658	<.0000	<.0000	.1344	443.4	<.0000	<.0000	<.0000	3.709
Desv. Est.	.538	.0557	.0063	.0376	5.0	.0151	.0097	.0150	.032
% RSD	32.47	50.07	1.656	28.00	1.133	9.077	2.158	5.075	.8657
Rep #1	1.312	-.1753	-.3822	.1465	447.0	-.1527	-.4447	-.3104	3.745
Rep #2	2.278	-.0732	-.3752	.1644	445.5	-.1826	-.4450	-.2807	3.686
Rep #3	1.384	-.0855	-.3878	.0922	437.7	-.1636	-.4617	-.2930	3.695
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
41	Unk: GISC15-24051 13/01/2016 11:57:07 CONC x151.33 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	3.428	<.0000	<.0000	.1756	358.7	<.0000	.1570	<.0000	3.559
Desv. Est.	1.073	.0532	.0025	.0524	4.0	.0918	.0482	.1444	.023
% RSD	31.30	22.35	.5542	29.84	1.105	128.0	30.72	57.00	.6502
Rep #1	2.684	-.2599	-.4618	.1601	358.4	.0252	.1094	-.1540	3.586
Rep #2	4.658	-.1773	-.4570	.2340	362.8	-.1574	.2058	-.1869	3.547
Rep #3	2.941	-.2765	-.4609	.1327	354.9	-.0830	.1558	-.4188	3.545
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
42	Unk: GISC15-24053 13/01/2016 11:59:25 CONC x151.61 D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	7.295	<.0000	<.0000	.0526	480.4	<.0000	<.0000	<.0000	3.100
Desv. Est.	.571	.2963	.0078	.1774	4.7	.0435	.0433	.1804	.025
% RSD	7.829	118.4	1.667	337.3	.9849	51.78	7.733	32.90	.8127
Rep #1	6.855	-.5923	-.4750	-.1291	485.9	-.1069	-.5619	-.3452	3.080
Rep #2	7.940	-.0750	-.4609	.2253	477.7	-.1111	-.5156	-.6092	3.128
Rep #3	7.089	-.0833	-.4622	.0615	477.6	-.0338	-.6021	-.6900	3.092
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
43	QC: Patr3nQC 13/01/2016 12:07:02 CONC D MP-160113:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4377	.3934	.4259	.4125	.4141	.4179	.4216	.4219	.4483
Desv. Est.	.0037	.0035	.0029	.0028	.0032	.0004	.0039	.0030	.0033
% RSD	.8464	.8785	.6852	.6896	.7778	.0893	.9275	.7125	.7403
Rep #1	.4397	.3948	.4278	.4149	.4169	.4176	.4240	.4229	.4508
Rep #2	.4400	.3895	.4226	.4133	.4149	.4183	.4171	.4185	.4446
Rep #3	.4334	.3960	.4274	.4094	.4106	.4177	.4236	.4243	.4497

Valor										
Intervalo										
48	Unk: GISC15-24073 13/01/2016 12:19:43 CONC x53.385 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	3.109	<.0000	<.0000	<.0000	384.9	<.0000	<.0000	<.0000	4.184	
Desv. Est.	.427	.0493	.0004	.0707	5.7	.0381	.0372	.0307	.090	
% RSD	13.73	167.6	.1094	19.77	1.491	150.5	11.76	28.90	2.151	
Rep #1	2.645	-.0273	-.3598	-.4275	390.7	-.0095	-.2756	-.0727	4.268	
Rep #2	3.197	.0188	-.3596	-.2861	384.7	.0023	-.3239	-.1329	4.196	
Rep #3	3.486	-.0798	-.3590	-.3602	379.2	-.0688	-.3487	-.1135	4.089	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
49	Unk: GISC15-24080 13/01/2016 12:22:19 CONC x62.235 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.8072	<.0000	<.0000	<.0000	451.8	<.0000	<.0000	<.0000	2.718	
Desv. Est.	1.045	.0663	.0035	.2018	6.7	.0481	.0281	.0326	.009	
% RSD	129.5	39.11	.9294	51.95	1.486	26.79	6.207	21.74	.3222	
Rep #1	1.826	-.1296	-.3835	-.3933	445.5	-.2345	-.4630	-.1816	2.708	
Rep #2	.8589	-.2460	-.3776	-.1842	458.9	-.1606	-.4206	-.1164	2.723	
Rep #3	-.2627	-.1328	-.3839	-.5877	451.1	-.1441	-.4737	-.1522	2.723	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
50	Unk: GISC15-24087 13/01/2016 12:24:58 CONC x258.53 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	11.05	<.0000	<.0000	<.0000	414.6	<.0000	<.0000	<.0000	3.459	
Desv. Est.	1.20	.2523	.0264	.2492	3.8	.1745	.0760	.5714	.020	
% RSD	10.82	52.56	5.011	44.58	.9204	134.2	11.37	169.0	.5637	
Rep #1	9.741	-.7046	-.5569	-.6868	419.0	-.2013	-.6278	.1655	3.448	
Rep #2	12.08	-.5281	-.5173	-.2719	412.3	.0689	-.7557	-.2208	3.482	
Rep #3	11.33	-.2071	-.5068	-.7184	412.4	-.2576	-.6207	-.9590	3.448	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
51	Unk: GISC15-24099 13/01/2016 12:27:41 CONC x223.61 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	30.05	<.0000	<.0000	.2065	630.1	.4535	<.0000	1.700	70.70	
Desv. Est.	2.86	.1644	.0131	.7338	1.0	.0300	.0849	.281	.32	
% RSD	9.511	39.49	2.649	355.4	.1620	6.610	13.52	16.53	.4518	
Rep #1	26.75	-.2971	-.5057	-.2754	629.1	.4512	-.5877	1.496	70.39	
Rep #2	31.85	-.6039	-.4796	1.051	631.2	.4247	-.5702	2.021	70.69	
Rep #3	31.54	-.3480	-.4940	-.1561	629.9	.4846	-.7251	1.584	71.03	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										

Intervalo										
52	Unk: GISC15-24102 13/01/2016 12:30:12 CONC x63.371 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.3032	.0670	<.0000	<.0000	471.2	<.0000	<.0000	<.0000	2.937	
Desv. Est.	.3145	.0551	.0011	.1353	5.1	.0159	.0140	.1119	.020	
% RSD	103.7	82.28	.2777	37.43	1.079	7.584	2.920	71.38	.6639	
Rep #1	.2715	.1294	-.3831	-.2779	475.8	-.1915	-.4925	-.0599	2.934	
Rep #2	.0058	.0463	-.3831	-.2888	471.9	-.2200	-.4646	-.1311	2.958	
Rep #3	.6324	.0252	-.3813	-.5174	465.7	-.2179	-.4780	-.2792	2.920	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
53	Unk: GISC15-24104 13/01/2016 12:32:39 CONC x357.65 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	17.52	<.0000	<.0000	<.0000	550.9	<.0000	<.0000	.5379	17.97	
Desv. Est.	5.77	.4116	.0140	.3178	10.9	.0808	.1370	.1945	.24	
% RSD	32.93	46.51	2.282	316.9	1.975	34.59	16.12	36.17	1.309	
Rep #1	23.43	-1.227	-.6268	.1412	562.7	-.3265	-.6922	.6000	18.12	
Rep #2	17.23	-.4283	-.6073	.0183	548.5	-.1819	-.9181	.3199	18.08	
Rep #3	11.90	-.9994	-.5998	-.4603	541.4	-.1919	-.9395	.6938	17.70	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
54	QC: PatrónQC 13/01/2016 12:37:28 CONC D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4319	.4026	.4303	.4112	.4061	.4222	.4247	.4265	.4503	
Desv. Est.	.0216	.0043	.0088	.0081	.0074	.0097	.0075	.0085	.0085	
% RSD	5.000	1.061	2.039	1.969	1.821	2.294	1.777	1.999	1.891	
Rep #1	.4176	.4006	.4256	.4045	.4047	.4142	.4204	.4206	.4455	
Rep #2	.4214	.4075	.4405	.4089	.3995	.4195	.4334	.4363	.4601	
Rep #3	.4568	.3997	.4249	.4202	.4141	.4330	.4203	.4228	.4452	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
55	Unk: GISC15-24106 13/01/2016 12:39:10 CONC x260.42 D MP-160113:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	13.79	<.0000	<.0000	.1093	602.3	<.0000	<.0000	<.0000	3.640	
Desv. Est.	5.30	.0562	.0227	.1999	3.3	.1057	.1324	.3656	.072	
% RSD	38.45	10.65	4.428	182.9	.5499	27.43	20.85	111.2	1.971	
Rep #1	7.976	-.5911	-.5324	-.0748	604.4	-.2638	-.7574	-.7227	3.561	
Rep #2	15.03	-.5073	-.4882	.0807	604.1	-.4363	-.4945	-.2635	3.700	
Rep #3	18.36	-.4844	-.5198	.3220	598.5	-.4558	-.6542	-.0002	3.660	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										

1	Unk: BLANCO 18/01/2016 14:05:43 CONC D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0001
Desv. Est.	.0001
% RSD	189.3
Rep #1	.0002
Rep #2	.0000
Rep #3	-.0000
2	Unk: RECUPERACION 18/01/2016 14:06:20 CONC x100 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.5097
Desv. Est.	.0042
% RSD	.8157
Rep #1	.5096
Rep #2	.5140
Rep #3	.5057
3	Blanco: REACTIVO 18/01/2016 14:08:20 CONC x100 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0035
Desv. Est.	.0017
% RSD	49.85
Rep #1	-.0040
Rep #2	-.0016
Rep #3	-.0049
4	Unk: GISC15-23886 18/01/2016 14:09:46 CONC x759.88 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0017
Desv. Est.	.0154
% RSD	900.0
Rep #1	.0048
Rep #2	.0153
Rep #3	-.0150
5	QC: PatrónQC 18/01/2016 14:10:24 CONC D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0051
Desv. Est.	.0001
% RSD	1.485
Rep #1	.0051
Rep #2	.0050
Rep #3	.0051
Comprobación	Ninguno
Valor	

Intervalo	
6	Unk: GISC15-23888 18/01/2016 14:11:22 CONC x229.99 D115162110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0195
Desv. Est.	.0036
% RSD	18.34
Rep #1	-0236
Rep #2	-0168
Rep #3	-0182
7	Unk: GISC15-23891 18/01/2016 14:12:51 CONC x531.91 D115162110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0155
Desv. Est.	.0141
% RSD	90.58
Rep #1	-0019
Rep #2	-0147
Rep #3	-0300
8	Unk: GISC15-23892 18/01/2016 14:14:18 CONC x301.57 D115162110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0272
Desv. Est.	.0111
% RSD	40.97
Rep #1	-0168
Rep #2	-0258
Rep #3	-0390
9	Unk: GISC15-23894 18/01/2016 14:15:50 CONC x637.76 D115162110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0161
Desv. Est.	.0053
% RSD	32.93
Rep #1	.0222
Rep #2	.0131
Rep #3	.0130
10	Unk: GISC15-23896 18/01/2016 14:17:21 CONC x149.61 D115162110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0077
Desv. Est.	.0016
% RSD	20.28
Rep #1	-0060
Rep #2	-0091
Rep #3	-0081

11	Unk: GISC15-23898 18/01/2016 14:18:43 CONC x264.55 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0135
Desv. Est.	.0052
% RSD	38.14
Rep #1	-.0181
Rep #2	-.0146
Rep #3	-.0079
12	QC: PatrónQC 18/01/2016 14:24:52 CONC D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0051
Desv. Est.	.0000
% RSD	.7710
Rep #1	.0051
Rep #2	.0050
Rep #3	.0050
Comprobación	Ninguno
Valor	
Intervalo	
13	Unk: GISC15-23901 18/01/2016 14:25:20 CONC x269.11 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0169
Desv. Est.	.0004
% RSD	2.174
Rep #1	-.0173
Rep #2	-.0168
Rep #3	-.0165
14	Unk: GISC15-23902 18/01/2016 14:26:41 CONC x100.24 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0102
Desv. Est.	.0005
% RSD	4.508
Rep #1	-.0100
Rep #2	-.0100
Rep #3	-.0108
15	Unk: GISC15-23905 18/01/2016 14:28:15 CONC x392.46 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0241
Desv. Est.	.0006
% RSD	2.434
Rep #1	-.0235
Rep #2	-.0241

Rep #3	-0246
16	Unk: GISC15-23995 18/01/2016 14:30:00 CONC x247.28 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0151
Desv. Est.	.0040
% RSD	26.16
Rep #1	.0122
Rep #2	.0135
Rep #3	.0196
17	Unk: GISC15-23997 18/01/2016 14:31:31 CONC x427.35 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0181
Desv. Est.	.0118
% RSD	65.27
Rep #1	.0067
Rep #2	.0302
Rep #3	.0172
18	Unk: GISC15-23999 18/01/2016 14:32:50 CONC x154.99 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0061
Desv. Est.	.0046
% RSD	75.16
Rep #1	.0012
Rep #2	.0068
Rep #3	.0103
19	Unk: GISC15-24006 18/01/2016 14:34:17 CONC x71.531 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0026
Desv. Est.	.0023
% RSD	88.45
Rep #1	-.0025
Rep #2	-.0003
Rep #3	-.0049
20	Unk: GISC15-24012 18/01/2016 14:35:56 CONC x377.07 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0240
Desv. Est.	.0054
% RSD	22.53
Rep #1	-.0298
Rep #2	-.0191
Rep #3	-.0230

21	Unk: GISC15-24019 18/01/2016 14:37:35 CONC x236.52 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0160
Desv. Est.	.0015
% RSD	9.233
Rep #1	-.0143
Rep #2	-.0172
Rep #3	-.0165
22	Unk: GISC15-24027 18/01/2016 14:39:16 CONC x146.63 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0124
Desv. Est.	.0029
% RSD	23.10
Rep #1	-.0157
Rep #2	-.0104
Rep #3	-.0111
23	QC: PatrónQC 18/01/2016 14:40:20 CONC D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0050
Desv. Est.	.0000
% RSD	.0912
Rep #1	.0050
Rep #2	.0050
Rep #3	.0050
Comprobación	Ninguno
Valor	
Intervalo	
24	Unk: GISC15-24033 18/01/2016 14:42:26 CONC x52.356 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0066
Desv. Est.	.0006
% RSD	9.060
Rep #1	-.0070
Rep #2	-.0059
Rep #3	-.0068
25	Unk: GISC15-24035 18/01/2016 14:43:49 CONC x142.53 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0111
Desv. Est.	.0006
% RSD	4.989
Rep #1	-.0115
Rep #2	-.0104

Rep #3	-0113
26	Unk: GISC15-24037 18/01/2016 14:45:18 CONC x82.891 D 115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0086
Desv. Est.	.0010
% RSD	11.44
Rep #1	-0075
Rep #2	-0093
Rep #3	-0090
27	Unk: GISC15-24041 18/01/2016 14:46:40 CONC x98.814 D 115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0059
Desv. Est.	.0007
% RSD	11.69
Rep #1	-0052
Rep #2	-0066
Rep #3	-0060
28	Unk: GISC15-24043 18/01/2016 14:48:01 CONC x64.185 D 115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0066
Desv. Est.	.0020
% RSD	30.95
Rep #1	-0072
Rep #2	-0043
Rep #3	-0083
29	Unk: GISC15-24045 18/01/2016 14:49:35 CONC x47.019 D 115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0028
Desv. Est.	.0012
% RSD	42.26
Rep #1	-0023
Rep #2	-0020
Rep #3	-0042
30	Unk: GISC15-24047 18/01/2016 14:51:33 CONC x60.067 D 115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0081
Desv. Est.	.0012
% RSD	14.24
Rep #1	-0074
Rep #2	-0074
Rep #3	-0094

31	Unk: GISC15-24049 18/01/2016 14:53:01 CONC x59.2 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0046
Desv. Est.	.0011
% RSD	23.96
Rep #1	-0050
Rep #2	-0054
Rep #3	-0033
32	Unk: GISC15-24051 18/01/2016 14:54:27 CONC x151.33 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0101
Desv. Est.	.0023
% RSD	23.04
Rep #1	-0108
Rep #2	-0075
Rep #3	-0121
33	Unk: GISC15-24053 18/01/2016 14:56:00 CONC x151.61 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0125
Desv. Est.	.0009
% RSD	7.251
Rep #1	-0115
Rep #2	-0133
Rep #3	-0128
34	QC: PatrónQC 18/01/2016 14:56:50 CONC D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0050
Desv. Est.	.0000
% RSD	.2102
Rep #1	.0051
Rep #2	.0050
Rep #3	.0050
Comprobación	Ninguno
Valor	
Intervalo	
35	Unk: GISC15-24055 18/01/2016 14:57:31 CONC x206.95 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0106
Desv. Est.	.0007
% RSD	6.230
Rep #1	-0105
Rep #2	-0100

Rep #3	-0113
36	Unk: GISC15-24057 18/01/2016 14:59:19 CONC x186.99 D115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0009
Desv. Est.	.0016
% RSD	175.0
Rep #1	-0011
Rep #2	-0025
Rep #3	.0008
37	Unk: GISC15-24059 18/01/2016 15:01:11 CONC x253.55 D115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0084
Desv. Est.	.0016
% RSD	18.48
Rep #1	.0067
Rep #2	.0096
Rep #3	.0090
38	Unk: GISC15-24066 18/01/2016 15:02:46 CONC x623.44 D115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0314
Desv. Est.	.0125
% RSD	39.86
Rep #1	.0251
Rep #2	.0233
Rep #3	.0458
39	Unk: GISC15-24073 18/01/2016 15:04:20 CONC x53.385 D115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0008
Desv. Est.	.0008
% RSD	95.50
Rep #1	.0014
Rep #2	.0011
Rep #3	-0001
40	Unk: GISC15-24080 18/01/2016 15:05:49 CONC x62.235 D115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-0091
Desv. Est.	.0007
% RSD	8.141
Rep #1	-0097
Rep #2	-0093
Rep #3	-0083

41	Unk: GISC15-24087 18/01/2016 15:07:22 CONC x258.53 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0203
Desv. Est.	.0014
% RSD	6.833
Rep #1	-.0208
Rep #2	-.0188
Rep #3	-.0214
42	Unk: GISC15-24099 18/01/2016 15:08:48 CONC x223.61 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0149
Desv. Est.	.0032
% RSD	21.60
Rep #1	-.0112
Rep #2	-.0173
Rep #3	-.0160
43	Unk: GISC15-24102 18/01/2016 15:10:29 CONC x63.371 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0042
Desv. Est.	.0009
% RSD	21.72
Rep #1	-.0043
Rep #2	-.0033
Rep #3	-.0051
44	Unk: GISC15-24104 18/01/2016 15:12:08 CONC x357.65 D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0142
Desv. Est.	.0034
% RSD	23.92
Rep #1	-.0181
Rep #2	-.0120
Rep #3	-.0125
45	QC: PatrónQC 18/01/2016 15:27:25 CONC D Hg 160118: Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0050
Desv. Est.	.0001
% RSD	1.147
Rep #1	.0050
Rep #2	.0050
Rep #3	.0051
Comprobación	Ninguno
Valor	

Intervalo	
46	Unk: GISC15-24106 18/01/2016 15:28:10 CONC x260.42 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0139
Desv. Est.	.0025
% RSD	18.13
Rep #1	-.0144
Rep #2	-.0111
Rep #3	-.0161
47	Unk: GISC15-24108 18/01/2016 15:29:05 CONC x195.01 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0019
Desv. Est.	.0054
% RSD	280.4
Rep #1	.0041
Rep #2	-.0034
Rep #3	-.0064
48	Unk: GISC15-24110 18/01/2016 15:30:39 CONC x284.74 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0043
Desv. Est.	.0019
% RSD	45.14
Rep #1	.0033
Rep #2	.0030
Rep #3	.0065
49	Unk: GISC15-24112 18/01/2016 15:32:20 CONC x334.67 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0173
Desv. Est.	.0037
% RSD	21.34
Rep #1	-.0216
Rep #2	-.0148
Rep #3	-.0156
50	Unk: GISC15-24114 18/01/2016 15:33:48 CONC x166.33 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0013
Desv. Est.	.0016
% RSD	118.2
Rep #1	-.0015
Rep #2	-.0028
Rep #3	.0003

51	Unk: GISC15-24116 18/01/2016 15:35:16 CONC x136.99 D 115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0074
Desv. Est.	.0016
% RSD	21.77
Rep #1	.0064
Rep #2	.0092
Rep #3	.0065
52	Unk: GISC15-24118 18/01/2016 15:36:46 CONC x153.75 D 115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0028
Desv. Est.	.0036
% RSD	127.8
Rep #1	-.0059
Rep #2	.0011
Rep #3	-.0036
53	Unk: GISC15-24126 18/01/2016 15:38:16 CONC x258.53 D 115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0054
Desv. Est.	.0044
% RSD	80.95
Rep #1	-.0061
Rep #2	-.0007
Rep #3	-.0094
54	Unk: GISC15-24133 18/01/2016 15:39:43 CONC x88.09 D 115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0013
Desv. Est.	.0017
% RSD	129.0
Rep #1	-.0033
Rep #2	-.0007
Rep #3	-.0000
55	Unk: GISC15-24140 18/01/2016 15:41:19 CONC x301.57 D 115-160110 Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0041
Desv. Est.	.0031
% RSD	76.04
Rep #1	.0074
Rep #2	.0037
Rep #3	.0012
56	QC: PatrónQC 18/01/2016 15:42:44 CONC D Hg 160118:

	Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	.0051
Desv. Est.	.0000
% RSD	.3565
Rep #1	.0051
Rep #2	.0051
Rep #3	.0050
Comprobación	Ninguno
Valor	
Intervalo	
57	Unk: GISC15-24184 18/01/2016 15:43:50 CONC x374.25 D 15-160110. Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0362
Desv. Est.	.0040
% RSD	11.15
Rep #1	-.0379
Rep #2	-.0390
Rep #3	-.0315
58	Unk: GISC15-24193 18/01/2016 15:45:10 CONC x374.25 D 15-160110. Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0301
Desv. Est.	.0076
% RSD	25.32
Rep #1	-.0389
Rep #2	-.0255
Rep #3	-.0259
59	Unk: GISC15-24199 18/01/2016 15:46:33 CONC x82.156 D 15-160110. Hg1942
Línea	194.227 {47
Unidades	mg/Kg
Media	-.0081
Desv. Est.	.0016
% RSD	20.09
Rep #1	-.0082
Rep #2	-.0096
Rep #3	-.0064

CONTENIDO

MUESTRAS BIOLÓGICAS

(Sangre Tercer Lote)

- 1.1 Informes de resultados de prueba**
- 1.2 Curva de calibración**
- 1.3 Evaluación de muestras de control de calidad**
- 1.4 Datos crudos de lote analítico**



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.
 EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO.
 C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
 TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



Número de acreditación No. SA-159-005/11
 Vigencia de acreditación a partir de 2011-05-10
 "Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
 Requisitos generales para la competencia de laboratorios de ensayo y calibración".

INFORME DE RESULTADOS DE PRUEBA

DATOS DE LA MUESTRA

Matriz: MB (Sangre)
Fecha de Recepción: 2015-11-20

INTERESADO

Nombre : Laboratorio Nacional de las Ciencias de la Sostenibilidad; Instituto de Ecología-UNAM
Dirección: Av. Universidad No. 3000, Col. UNAM, CU, Del. Coyoacán, Distrito Federal, CP 04510

DATOS DEL ANÁLISIS

Método: Determinación de metales y metaloides en agua y alimentos por Espectrometría de Emisión de Plasma de Acoplamiento Inductivo (ICP-OES)
Referencia: EPA 6010C-2007
Resultados: Ver hoja excell2015/11/20 (1)
Fecha de Analisis de Metales y Mercurio: 2016-01-15 2016-01-18
Fecha de Realización del Informe: 2016-01-19

IDENTIFICACIÓN CLIENTE

CODIGO

CLAVE DE IDENTIFICACIÓN

L-F0043/15/00424	A 214 (423-424)	GISC15-24204
L-F0043/15/00426	A 203 (425-426)	GISC15-24206
L-F0043/15/00429	A 219 (428-429)	GISC15-24209
L-F0043/15/00430	A 249 (427-430)	GISC15-24210
L-F0044/15/00432	A 242 (431-432)	GISC15-24212
L-F0044/15/00435	A 236 (433,435)	GISC15-24215
L-F0044/15/00436	A 223 (434,436)	GISC15-24216
L-F0044/15/00439	A 243(437,439)	GISC15-24219
L-F0044/15/00440	A 204 (438,440)	GISC15-24220
L-F0045/15/00443	A 238 (441,443)	GISC15-24223
L-F0045/15/00444	A 239 (442,444)	GISC15-24224
L-F0045/15/00446	FR 350 (445-446)	GISC15-24226
L-F0045/15/00448	FR 334 (447-448)	GISC15-24228
L-F0045/15/00450	FR 341 (449-450)	GISC15-24230
L-F0046/15/00452	FR 362 (451-452)	GISC15-24232
L-F0046/15/00454	FR 348 (453-454)	GISC15-24234
L-F0046/15/00455	FR 385 (455-456)	GISC15-24235
L-F0046/15/00457	FR 384 (457)	GISC15-24237
L-F0047/15/00464	FR 368 (458-464)	GISC15-24244
L-F0047/15/00470	FR 370 (465-471)	GISC15-24250



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.
EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO.
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



Número de acreditación No. SA-159-005/11
Vigencia de acreditación a partir de 2011-05-10
"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

IDENTIFICACIÓN CLIENTE

L-F0048/15/00477
L-F0049/15/00484
L-F0050/15/00491
L-F0056/15/00552
L-F0056/15/00559
L-F0057/15/00566
L-F0058/15/00572
L-F0058/15/00575
L-F0058/15/00580
L-F0061/15/00606
L-F0062/15/00615
L-F0063/15/00621
L-F0064/15/00634
L-F0064/15/00636
L-F0064/15/00638
L-F0065/15/00641
L-F0065/15/00642
L-F0065/15/00644
L-F0065/15/00646
L-F0065/15/00648
L-F0066/15/00651
L-F0066/15/00653
L-F0066/15/00655
L-F0067/15/00662
L-F0067/15/00670
L-F0068/15/00676
L-F0069/15/00681
L-F0069/15/00690
L-F0070/15/00697
L-F0071/15/00704


CODIGO

FR 369 (472-478)
FR 367 (479-485)
FR 366 (486-492)
FR 430 (547-553)
FR 431 (554-560)
FR 432 (561-567)
FR 427 (568-573)
FR 429 (574-579)
FR 428 (580-586)
A 287 (600-606)
A 283 (614-620)
A 279 (621-627)
A 264 (634-635)
A 263 (636-637)
A 284 (638-639)
A 295 (640-641)
A 280 (642-643)
A 278 (644-645)
A 274 (646-649)
A 277 (647-648)
A 271 (650-651)
A 265 (652-653)
FR 434 (655-661)
FR 436 (662-668)
FR 440 (669-675)
FR 442 (676-680,682,683)
FR 443 (681,684-689)
FR 444 (690-696)
FR 445 (697-703)
FR 446 (704-710)

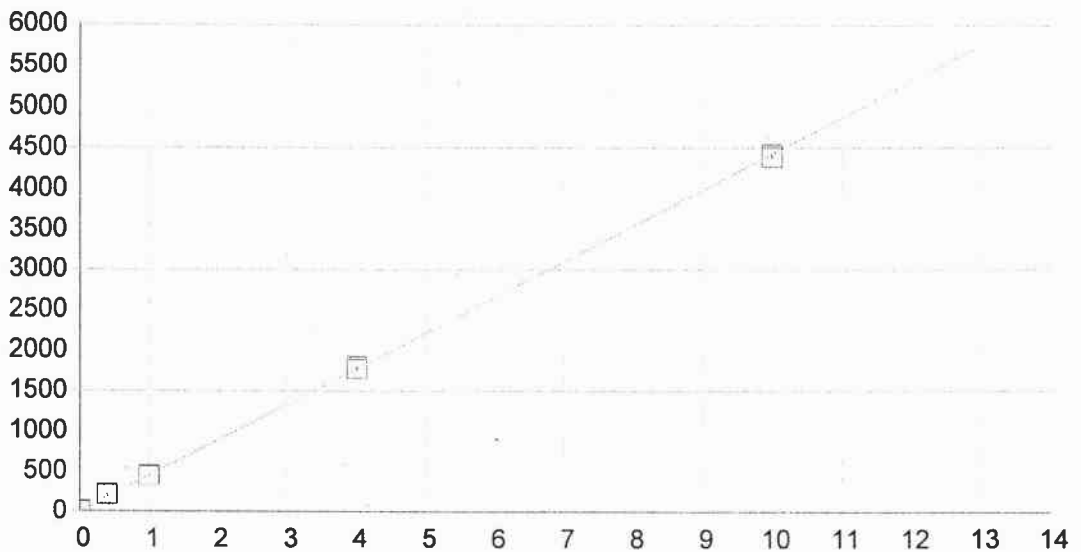
CLAVE DE IDENTIFICACIÓN

GISC15-24257
GISC15-24264
GISC15-24271
GISC15-24302
GISC15-24309
GISC15-24316
GISC15-24322
GISC15-24325
GISC15-24330
GISC15-24336
GISC15-24345
GISC15-24351
GISC15-24364
GISC15-24366
GISC15-24368
GISC15-24371
GISC15-24372
GISC15-24374
GISC15-24376
GISC15-24378
GISC15-24381
GISC15-24383
GISC15-24384
GISC15-24391
GISC15-24399
GISC15-24405
GISC15-24410
GISC15-24419
GISC15-24426
GISC15-24433

REVISÓ

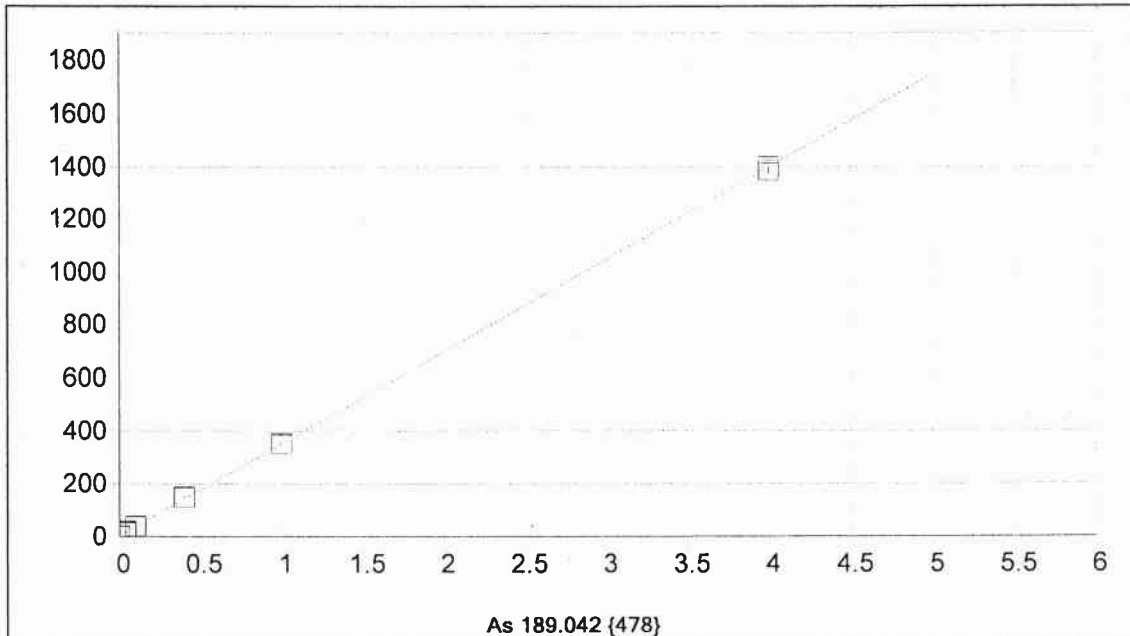


Q.F.B. Leticia Velazquez Méndez
Gerente Técnico



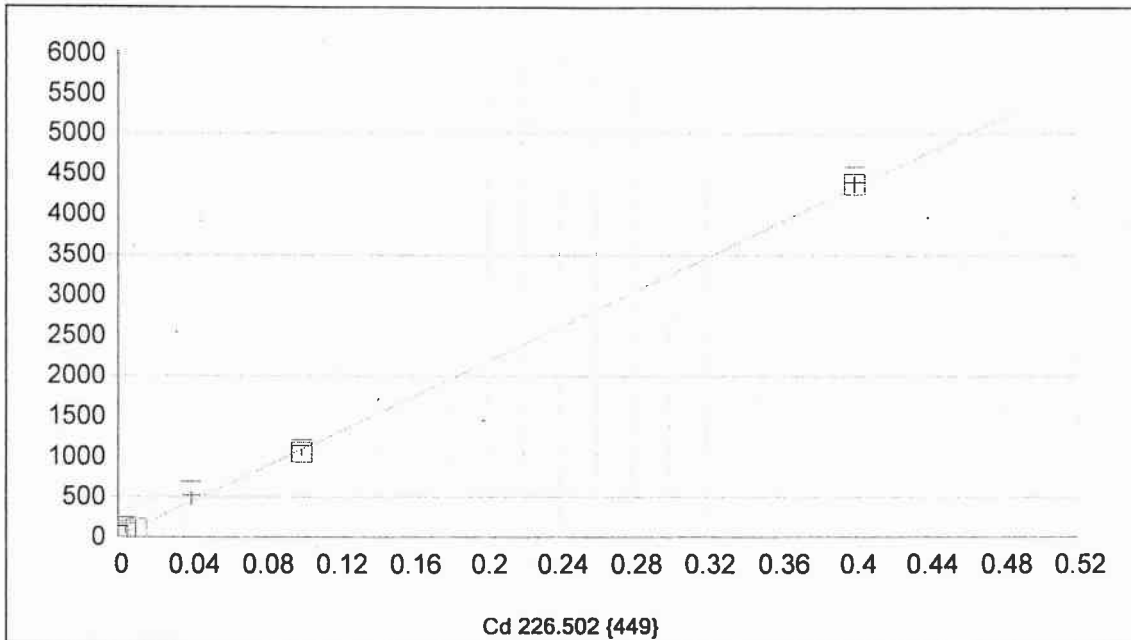
AI 396.152 { 85}

Fecha de la	15/01/2016 10:59:01	Tipo de unió	Lineal	Ponderación:	1/Conc		
A0 (Compensación):	4.690835	Reajustar P	1.000000				
A1 (Ganancia)	442.063257	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.999698	Estatus:	OK.				
Error Estándar de Est:	1.099353						
MDL:	0.018888						
MQL:	0.062962						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00005	-.000	.000	4.6667	3.34	1
STD 5	.40000	.45916	.059	14.8	207.67	6.22	1
STD 6	1.0000	.99181	-.008	-.819	443.13	4.66	1
STD 7	4.0000	4.0138	.014	.346	1779.1	24.5	1
STD 8	10.000	9.9352	-.065	-.648	4396.7	20.0	1

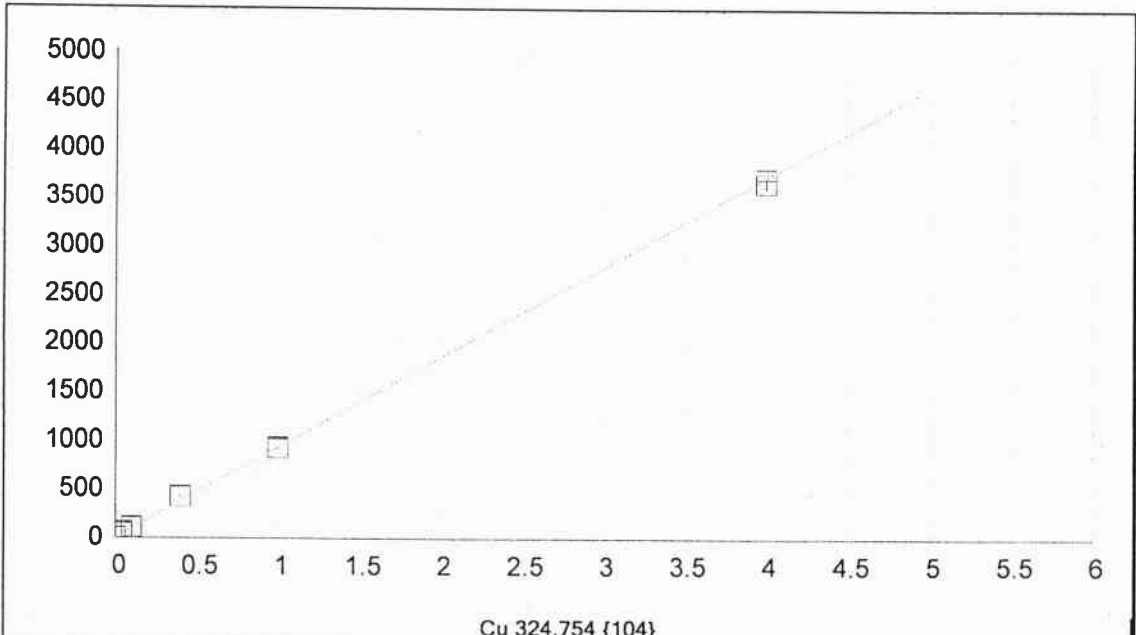


Fecha de la	15/01/2016 10:59:01	Tipo de unió	Lineal	Ponderación:	1/Conc
A0 (Compensación):	1.408716	Reajustar P	1.000000		
A1 (Ganancia)	349.298198	Y-int:	0.000000		
A2 (Curvatura):	0.000000				
n (Exponente):	1.000000				
Correlación:	0.999800	Estatus:	OK.		
Error Estándar de Est:	0.127322				
MDL:	0.002534				
MQL:	0.008446				

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	1.4058	.700	1
STD 4	.10000	.10402	.004	4.02	37.743	1.27	1
STD 5	.40000	.42200	.022	5.50	148.81	1.87	1
STD 6	1.0000	1.0008	.001	.084	351.00	3.07	1
STD 7	4.0000	3.9683	-.032	-.793	1387.5	10.8	1
STD 3	.04000	.04487	.005	12.2	17.081	3.81	1

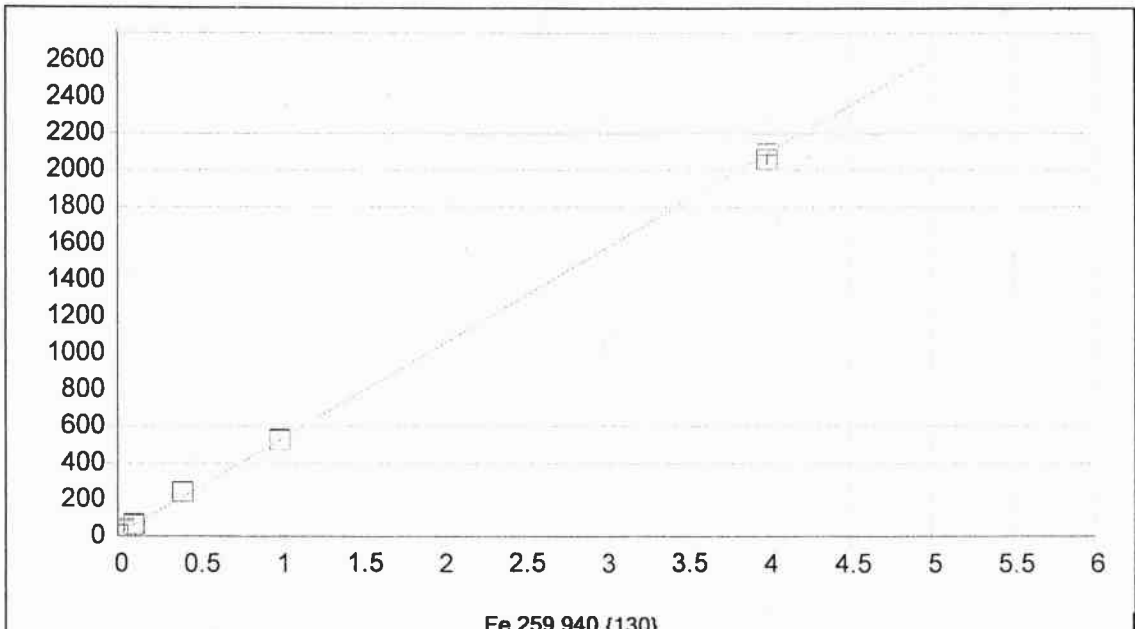


Fecha de la	15/01/2016 10:59:01	Tipo de unió	Lineal	Ponderación:	1/Conc		
A0 (Compensación):	9.643335	Reajustar P	1.000000				
A1 (Ganancia)	10815.23444	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.998082	Estatus:	OK.				
Error Estándar de Est:	1.240654						
MDL:	0.000132						
MQL:	0.000440						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	9.6224	.406	1
STD 1	.00400	.00657	.003	64.2	80.673	38.6	1
STD 2	.01000	.00876	-.001	-12.4	104.34	.569	1
STD 3	.04000	.04367	.004	9.17	481.94	86.0	0
STD 4	.10000	.09605	-.004	-3.95	1048.5	37.9	1
STD 5	.40000	.40262	.003	.656	4364.1	99.5	1



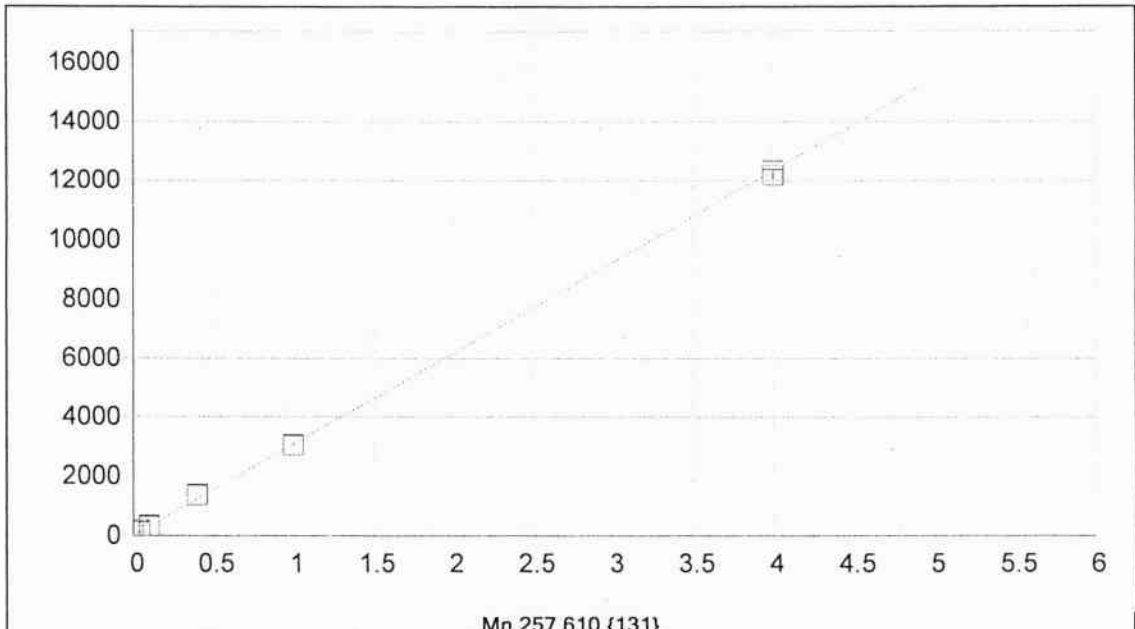
Fecha de la	15/01/2016 10:59:01	Tipo de unió	Lineal	Ponderación:	1/Conc
A0 (Compensación):	8.725346	Reajustar P	1.000000		
A1 (Ganancia)	928.052935	Y-int:	0.000000		
A2 (Curvatura):	0.000000				
n (Exponente):	1.000000				
Correlación:	0.999022	Estatus:	OK.		
Error Estándar de Est:	0.748362				
MDL:	0.004989				
MQL:	0.016630				

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00002	-.000	.000	8.7091	1.73	1
STD 5	.40000	.45157	.052	12.9	427.80	5.10	1
STD 6	1.0000	.99304	-.007	-.696	930.32	10.8	1
STD 7	4.0000	3.9372	-.063	-1.57	3662.6	51.1	1
STD 3	.04000	.04997	.010	24.9	55.103	10.0	1
STD 4	.10000	.10823	.008	8.23	109.17	6.40	1



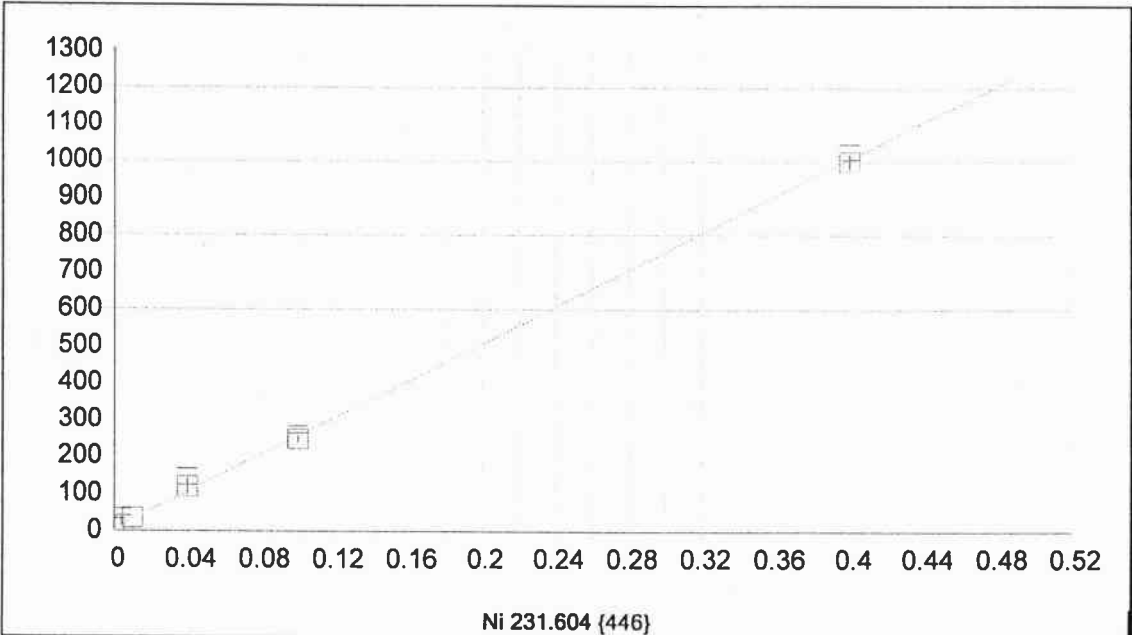
Fecha de la	15/01/2016 10:59:01	Tipo de unió	Lineal	Ponderación:	1/Conc
A0 (Compensación):	6.301338	Reajustar P	1.000000		
A1 (Ganancia)	521.388377	Y-int:	0.000000		
A2 (Curvatura):	0.000000				
n (Exponente):	1.000000				
Correlación:	0.999156	Estatus:	OK.		
Error Estándar de Est:	0.410324				
MDL:	0.004387				
MQL:	0.014625				

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	6.2967	1.11	1
STD 5	.40000	.45355	.054	13.4	242.78	.740	1
STD 6	1.0000	.99637	-.004	-.363	525.80	3.98	1
STD 3	.04000	.05433	.014	35.8	34.630	6.53	0
STD 4	.10000	.11089	.011	10.9	64.120	4.08	1
STD 7	4.0000	3.9392	-.061	-1.52	2060.1	30.4	1



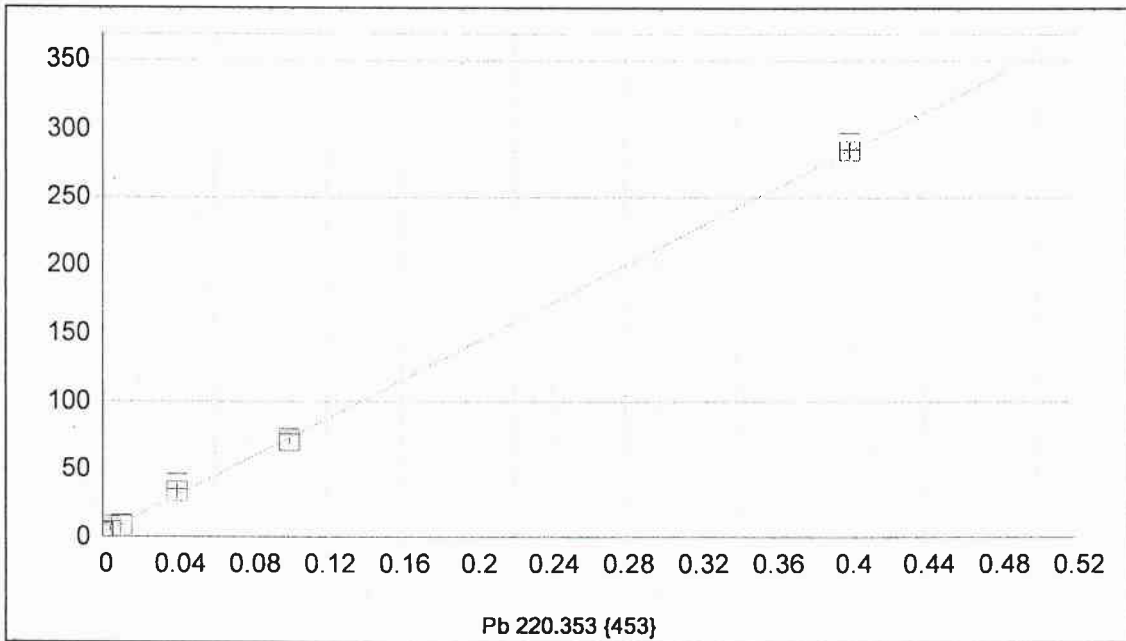
Fecha de la	15/01/2016 10:59:01	Tipo de unió	Lineal	Ponderación:	1/Conc
A0 (Compensación):	3.267347	Reajustar P	1.000000		
A1 (Ganancia)	3080.933501	Y-int:	0.000000		
A2 (Curvatura):	0.000000				
n (Exponente):	1.000000				
Correlación:	0.999378	Estatus:	OK.		
Error Estándar de Est:	1.979942				
MDL:	0.000785				
MQL:	0.002618				

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	3.2300	.500	1
STD 5	.40000	.44442	.044	11.1	1372.5	8.65	1
STD 6	1.0000	.98860	-.011	-1.14	3049.1	11.2	1
STD 3	.04000	.04622	.006	15.6	145.68	31.7	1
STD 4	.10000	.10591	.006	5.91	329.57	23.0	1
STD 7	4.0000	3.9548	-.045	-1.13	12188.	136.	1



Fecha de la	15/01/2016 10:59:01	Tipo de unió	Lineal	Ponderación:	1/Conc
A0 (Compensación):	5.848166	Reajustar P	1.000000		
A1 (Ganancia)	2500.524585	Y-int:	0.000000		
A2 (Curvatura):	0.000000				
n (Exponente):	1.000000				
Correlación:	0.999194	Estatus:	OK.		
Error Estándar de Est:	0.192268				
MDL:	0.000514				
MQL:	0.001713				

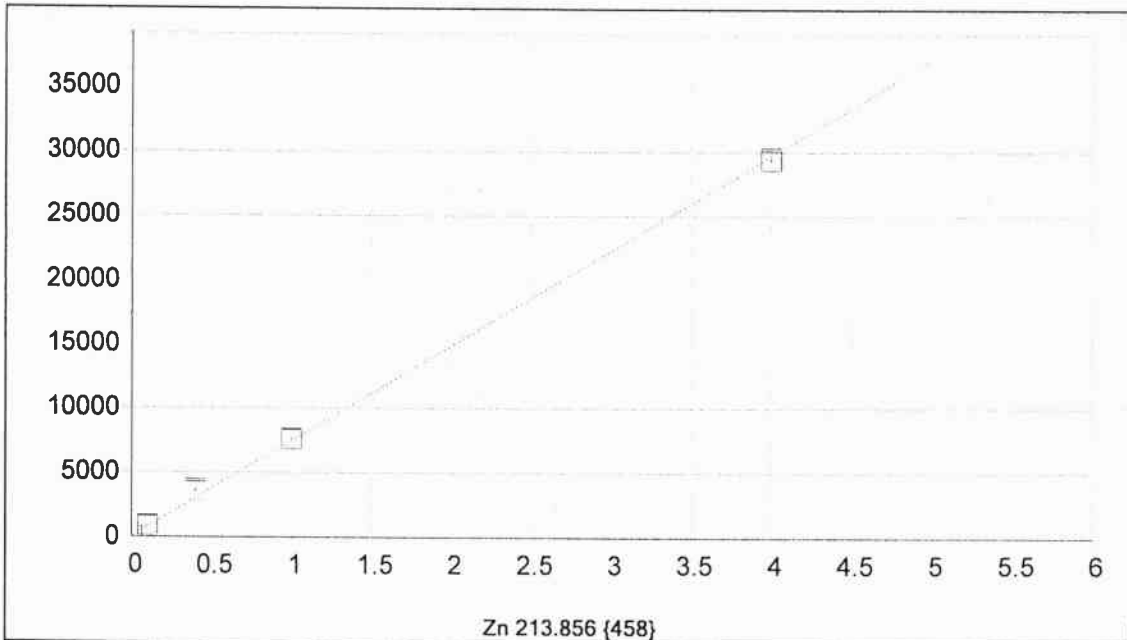
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	5.8463	.310	1
STD 1	.00400	.00694	.003	73.6	23.209	9.16	0
STD 2	.01000	.01108	.001	10.8	33.543	.039	1
STD 3	.04000	.04501	.005	12.5	118.40	21.2	1
STD 4	.10000	.09642	-.004	-3.58	246.95	9.63	1
STD 5	.40000	.39749	-.003	-.627	999.79	20.3	1



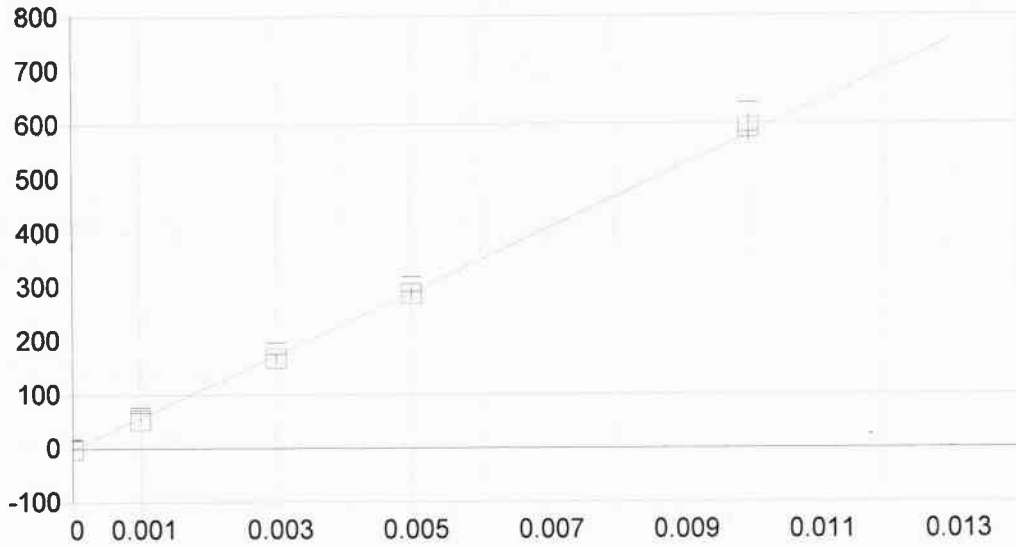
Fecha de la 15/01/2016 10:59:01 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 2.352025 Reajustar P 1.000000
 A1 (Ganancia) 704.192314 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999153 Estatus: OK.
 Error Estándar de Est: 0.052823
 MDL: 0.001716
 MQL: 0.005721

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	2.3515	.843	1
STD 1	.00400	.00504	.001	26.1	5.9026	2.01	1
STD 2	.01000	.00859	-.001	-14.1	8.4046	.320	1
STD 3	.04000	.04382	.004	9.56	33.212	5.55	1
STD 4	.10000	.09676	-.003	-3.24	70.491	2.05	1
STD 5	.40000	.39978	-.000	-.056	283.87	6.36	1



Fecha de la	15/01/2016 10:59:01	Tipo de unió	Lineal	Ponderación:	1/Conc		
A0 (Compensación):	20.272513	Reajustar P	1.000000				
A1 (Ganancia)	7422.160576	Y-int:	0.000000				
A2 (Curvatura):	0.000000						
n (Exponente):	1.000000						
Correlación:	0.999715	Estatus:	OK.				
Error Estándar de Est:	5.655854						
MDL:	0.000156						
MQL:	0.000521						
Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00002	-.000	.000	20.155	1.02	1
STD 4	.10000	.11469	.015	14.7	871.50	31.7	1
STD 5	.40000	.47995	.080	20.0	3582.5	81.4	0
STD 6	1.0000	1.0208	.021	2.08	7596.7	32.4	1
STD 7	4.0000	3.9645	-.035	-.887	29446.	136.	1



Hg 194.227 {474}

Fecha de la 18/01/2016 18:32:04 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): -1.767282 Reajustar P 1.000000
 A1 (Ganancia) 58271.85408 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999719 Estatus: OK.
 Error Estándar de Est: 0.245431
 MDL: 0.000026
 MQL: 0.000088

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	-1.7628	1.58	1
STD 1	.00100	.00094	-.000	-5.53	53.282	5.07	1
STD 2	.00300	.00290	-.000	-3.20	167.45	10.5	1
STD 3	.00500	.00495	-.000	-9.86	286.72	13.3	1
STD 4	.01000	.01020	.000	2.01	592.65	26.6	1



Análisis: **METALES PESADOS POR ICP-OES**
 Lote analítico: **DMP-SANGRE-160115**
 Fecha de Análisis: **15/01/2016**
 Fecha de Reporte: **15/01/2016**

CONCENTRACIONES DE LAS CURVAS DE CALIBRACION.

DESCRIPCIÓN	CONCENTRACION mg/L									
	Al	As	Cd	Cu	Fe	Mn	Ni	Pb	Zn	Hg
NIVEL 1			0.004				0.004	0.004		0.0010
NIVEL 2			0.010				0.010	0.010		0.0030
NIVEL 3		0.040	0.040	0.040	0.040	0.040	0.040	0.040		0.0050
NIVEL 4		0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0100
NIVEL 5	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	
NIVEL 6	1.000	1.000		1.000	1.000	1.000			1.000	
NIVEL 7	4.000	4.000		4.000	4.000	4.000			4.000	
NIVEL 8	10.000									
NIVEL 9										
Correlación	0.9997	0.9998	0.9981	0.9990	0.9991	0.9994	0.9992	0.9991	0.9997	0.9997

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
10	QC: PatrónQC	Aluminio	0.4000	0.4121	103	42	QC: PatrónQC	Aluminio	0.4000	0.4208	105
		Arsénico	0.4000	0.3958	99			Arsénico	0.4000	0.3963	99
		Cadmio	0.4000	0.3709	93			Cadmio	0.4000	0.3778	94
		Cobre	0.4000	0.4032	101			Cobre	0.4000	0.4180	105
		Fierro	0.4000	0.4070	102			Fierro	0.4000	0.4224	106
		Manganeso	0.4000	0.4047	101			Manganeso	0.4000	0.4221	106
		Níquel	0.4000	0.3662	92			Níquel	0.4000	0.3707	93
		Plomo	0.4000	0.3665	92			Plomo	0.4000	0.3692	92
		Zinc	0.4000	0.4397	110			Zinc	0.4000	0.4402	110
21	QC: PatrónQC	Aluminio	0.4000	0.4210	105	53	QC: PatrónQC	Aluminio	0.4000	0.4499	112
		Arsénico	0.4000	0.3926	98			Arsénico	0.4000	0.4254	106
		Cadmio	0.4000	0.3714	93			Cadmio	0.4000	0.4045	101
		Cobre	0.4000	0.4183	105			Cobre	0.4000	0.4574	114
		Fierro	0.4000	0.4236	106			Fierro	0.4000	0.3923	98
		Manganeso	0.4000	0.4182	105			Manganeso	0.4000	0.4641	116
		Níquel	0.4000	0.3648	91			Níquel	0.4000	0.3955	99
		Plomo	0.4000	0.3649	91			Plomo	0.4000	0.3965	99
		Zinc	0.4000	0.4378	109			Zinc	0.4000	0.4676	117
31	QC: PatrónQC	Aluminio	0.4000	0.4277	107	63	QC: PatrónQC	Aluminio	0.4000	0.4532	113
		Arsénico	0.4000	0.3939	98			Arsénico	0.4000	0.4169	104
		Cadmio	0.4000	0.3744	94			Cadmio	0.4000	0.3982	100
		Cobre	0.4000	0.4168	104			Cobre	0.4000	0.4444	111
		Fierro	0.4000	0.4215	105			Fierro	0.4000	0.3819	95
		Manganeso	0.4000	0.4217	105			Manganeso	0.4000	0.4535	113
		Níquel	0.4000	0.3685	92			Níquel	0.4000	0.3885	97
		Plomo	0.4000	0.3661	92			Plomo	0.4000	0.3879	97
		Zinc	0.4000	0.4384	110			Zinc	0.4000	0.4593	115



Análisis:
Lote analítico:
Fecha de Análisis:
Fecha de Reporte:

METALES PESADOS POR ICP-OES
DMP-SANGRE-160115
15/01/2016
15/01/2016

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/l		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
6	QC: PatrónQC	Mercurio	0.0050	0.0053	106						
17	QC: PatrónQC	Mercurio	0.0050	0.0050	100						
28	QC: PatrónQC	Mercurio	0.0050	0.0050	100						
40	QC: PatrónQC	Mercurio	0.0050	0.0047	94						
52	QC: PatrónQC	Mercurio	0.0050	0.0050	100						
63	QC: PatrónQC	Mercurio	0.0050	0.0045	90						

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)



Análisis:
 Lote analítico:
 Fecha de Análisis:
 Fecha de Reporte:

METALES PESADOS POR ICP-OES
 DMP-SANGRE-160115
 15/01/2016
 15/01/2016

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No.¹	Identificación	Analito	Concentración mg/Kg		% Recobro²	No.¹	Identificación	Analito	Concentración mg/Kg		% Recobro²
			Teórica	Práctica					Teórica	Práctica	
13	Recuperación	Aluminio	40.0000	42.6300	107	8	Recuperación	Mercurio	0.5000	0.5160	103
		Arsénico	40.0000	41.5800	104						
		Cadmio	40.0000	39.9700	100						
		Cobre	40.0000	43.7600	109						
		Fierro	40.0000	37.6300	94						
		Manganeso	40.0000	44.5900	111						
		Níquel	40.0000	38.9900	97						
		Plomo	40.0000	38.6400	97						
		Zinc	40.0000	45.4200	114						

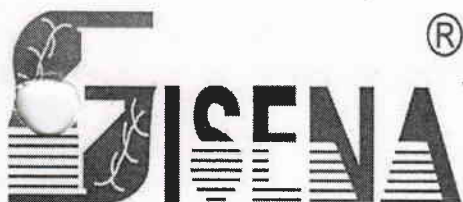
NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)

I.B.I. Gaudencio Vargas Espejel
 ELABORÓ

Q.F.B. Leticia Velázquez Méndez
 REVISÓ

PACE/GIS/I02-F01



Residuos Tóxicos

Hoja de Trabajo -Metales y Metaloides-

Clave	Matriz	Código	Fecha de Recepción	Peso (g)		Cantidad
				Inicial	Final	
GISC15-24204	Sangre	A 214 (423-424)	20/11/2015	1.4244	1.2861	0.1383
GISC15-24206	Sangre	A 203 (425-426)	20/11/2015	1.4218	1.2825	0.1395
GISC15-24209	Sangre	A 219 (428-429)	20/11/2015	1.3589	1.2889	0.0639
GISC15-24210	Sangre	A 249 (427-430)	20/11/2015	1.4554	1.2824	0.1730
GISC15-24212	Sangre	A 242 (431-432)	20/11/2015	1.4238	1.2878	0.1360
GISC15-24215	Sangre	A 236 (433,435)	20/11/2015	1.4372	1.2821	0.1551
GISC15-24216	Sangre	A 223 (434,436)	20/11/2015	1.4830	1.2877	0.1953
GISC15-24219	Sangre	A 243(437,439)	20/11/2015	1.3788	1.2695	0.1143
GISC15-24220	Sangre	A 204 (438,440)	20/11/2015	1.4623	1.2526	0.2097
GISC15-24223	Sangre	A 238 (441,443)	20/11/2015	1.3854	1.2750	0.1104
GISC15-24224	Sangre	A 239 (442,444)	20/11/2015	1.3118	1.2497	0.0640
GISC15-24226	Sangre	FR 350 (445-446)	20/11/2015	1.6394	1.2910	0.3884
GISC15-24228	Sangre	FR 334 (447-448)	20/11/2015	1.5110	1.2677	0.2433
GISC15-24230	Sangre	FR 341 (449-450)	20/11/2015	1.5121	1.2569	0.2552
GISC15-24232	Sangre	FR 362 (451-452)	20/11/2015	1.4738	1.2779	0.1989
GISC15-24234	Sangre	FR 348 (453-454)	20/11/2015	1.5564	1.2513	0.3051
GISC15-24235	Sangre	FR 385 (455-456)	20/11/2015	1.9430	1.2798	0.6682
GISC15-24237	Sangre	FR 384 (457)	20/11/2015	1.5167	1.2867	0.2300
GISC15-24244	Sangre	FR 368 (458-464)	20/11/2015	1.7164	1.2694	0.4470
GISC15-24250	Sangre	FR 370 (465-471)	20/11/2015	1.5424	1.2956	0.2468
GISC15-24257	Sangre	FR 369 (472-478)	20/11/2015	1.9136	1.2884	0.6252
GISC15-24264	Sangre	FR 367 (479-485)	20/11/2015	1.5808	1.2826	0.2982
GISC15-24271	Sangre	FR 366 (486-492)	20/11/2015	1.5434	1.2772	0.2662
GISC15-24302	Sangre	FR 430 (547-553)	20/11/2015	1.6100	1.2708	0.3392
GISC15-24309	Sangre	FR 431 (554-560)	20/11/2015	1.6588	1.2862	0.3726
GISC15-24316	Sangre	FR 432 (561-567)	20/11/2015	1.8736	1.2968	0.5768
GISC15-24322	Sangre	FR 427 (568-573)	20/11/2015	1.5291	1.2336	0.2955
GISC15-24325	Sangre	FR 429 (574-579)	20/11/2015	1.5392	1.2726	0.2666
GISC15-24330	Sangre	FR 428 (580-586)	20/11/2015	1.6052	1.2759	0.3293
GISC15-24336	Sangre	A 287 (600-606)	20/11/2015	1.4210	1.2668	0.1542

I.B.I Gaudencio Vargas Espejel

I.B.I Gaudencio Vargas Espejel

Leticia Velazquez Méndez

Q.F.B. Leticia Velazquez Méndez



Residuos Tóxicos

Hoja de Trabajo -Metales y Metaloides-

Clave	Matriz	Código	Fecha de Recepción	Peso (g)		Cantidad
				Inicial	Final	
GISC15-24345	Sangre	A 283 (614-620)	20/11/2015	1.4966	1.2766	0.2200
GISC15-24351	Sangre	A 279 (621-627)	20/11/2015	1.3945	1.2862	0.1083
GISC15-24364	Sangre	A 264 (634-635)	20/11/2015	1.3835	1.2733	0.1102
GISC15-24366	Sangre	A 263 (636-637)	20/11/2015	1.4298	1.2952	0.1346
GISC15-24368	Sangre	A 284 (638-639)	20/11/2015	1.4850	1.2903	0.2047
GISC15-24371	Sangre	A 295 (640-641)	20/11/2015	1.4898	1.2728	0.2170
GISC15-24372	Sangre	A 280 (642-643)	20/11/2015	1.3664	1.2698	0.0971
GISC15-24374	Sangre	A 278 (644-645)	20/11/2015	1.4833	1.2585	0.2048
GISC15-24376	Sangre	A 274 (646-649)	20/11/2015	1.8476	1.2852	0.5924
GISC15-24378	Sangre	A 277 (647-648)	20/11/2015	1.4197	1.2994	0.1703
GISC15-24381	Sangre	A 271 (650-651)	20/11/2015	1.3542	1.2614	0.0928
GISC15-24383	Sangre	A 265 (652-653)	20/11/2015	1.3677	1.2636	0.1041
GISC15-24384	Sangre	FR 434 (655-661)	20/11/2015	1.5376	1.2757	0.2619
GISC15-24391	Sangre	FR 436 (662-668)	20/11/2015	1.4643	1.2870	0.1773
GISC15-24399	Sangre	FR 440 (669-675)	20/11/2015	1.3571	1.2754	0.0817
GISC15-24405	Sangre	FR 442 (676-680,682,1	20/11/2015	1.5989	1.2710	0.3279
GISC15-24410	Sangre	FR 443 (681,684-689)	20/11/2015	1.8426	1.2868	0.6058
GISC15-24419	Sangre	FR 444 (690-696)	20/11/2015	2.5603	1.2808	1.2795
GISC15-24426	Sangre	FR 445 (697-703)	20/11/2015	1.4625	1.2799	0.1826
GISC15-24433	Sangre	FR 446 (704-710)	20/11/2015	1.4020	1.2798	0.1222

I. B. I. Gaudencio Vargas Espejel

I.B.I Gaudencio Vargas Espejel

Leticia Velazquez Méndez

Q.F.B. Leticia Velazquez Méndez

1	Cal: Blanco 15/01/2016 10:36:05 IR DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	
Media	4.667	1.406	9.622	8.709	6.297	3.230	5.846	2.352	20.15	
Desv. Est.	3.337	.700	.406	1.732	1.110	.500	.311	.843	1.02	
% RSD	71.51	49.78	4.225	19.89	17.62	15.47	5.311	35.86	5.050	
Rep #1	8.425	.8699	9.153	9.064	7.550	3.390	6.156	2.110	19.51	
Rep #2	3.525	1.150	9.840	6.827	5.900	3.630	5.847	1.655	19.63	
Rep #3	2.050	2.198	9.873	10.24	5.440	2.670	5.535	3.289	21.33	
2	Cal: STD 1 15/01/2016 10:45:13 IR DMP-160115:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	80.67	23.21	5.903							
Desv. Est.	38.61	9.16	2.009							
% RSD	47.87	39.46	34.03							
Rep #1	60.02	17.96	5.702							
Rep #2	56.78	17.88	4.002							
Rep #3	125.2	33.78	8.004							
3	Cal: STD 2 15/01/2016 10:47:46 IR DMP-160115:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	104.3	33.54	8.405							
Desv. Est.	.6	.04	.320							
% RSD	.5451	.1167	3.811							
Rep #1	104.0	33.50	8.220							
Rep #2	104.0	33.56	8.219							
Rep #3	105.0	33.57	8.774							
4	Cal: STD 3 15/01/2016 10:50:09 IR DMP-160115:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203			
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	17.08	481.9	55.10	34.63	145.7	118.4	33.21			
Desv. Est.	3.81	86.0	10.02	6.53	31.7	21.2	5.55			
% RSD	22.31	17.85	18.19	18.84	21.76	17.94	16.72			
Rep #1	19.52	541.4	48.21	32.11	130.7	133.7	35.98			
Rep #2	12.69	383.3	66.60	42.04	182.1	94.16	26.82			
Rep #3	19.03	521.1	50.50	29.74	124.3	127.3	36.83			
5	Cal: STD 4 15/01/2016 10:52:39 IR DMP-160115:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138		
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45		
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s		
Media	37.74	1048.	109.2	64.12	329.6	247.0	70.49	871.5		
Desv. Est.	1.27	38.	6.4	4.08	23.0	9.6	2.05	31.7		
% RSD	3.365	3.617	5.866	6.357	6.979	3.901	2.912	3.638		
Rep #1	38.14	1081.	108.0	64.47	328.4	255.7	71.77	899.9		
Rep #2	36.32	1007.	103.4	59.88	307.2	236.6	68.12	837.3		
Rep #3	38.77	1057.	116.1	68.01	353.1	248.6	71.58	877.3		
6	Cal: STD 5 15/01/2016 10:54:38 IR DMP-160115:									

11	Unk: BLANCO 15/01/2016 11:09:46 CONC DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	<.0000	<.0000	<.0000	.0019	.0061	.0000	.0015	<.0000	<.0000	
Desv. Est.	.0188	.0011	.0001	.0049	.0009	.0000	.0002	.0013	.0000	
% RSD	210.4	163.5	16.69	251.8	15.18	53.72	12.57	155.8	2.118	
Rep #1	-.0296	-.0012	-.0005	-.0033	.0054	.0000	.0015	.0007	-.0016	
Rep #2	-.0045	-.0014	-.0005	.0064	.0056	.0001	.0017	-.0015	-.0016	
Rep #3	.0073	.0006	-.0006	.0027	.0071	.0000	.0013	-.0016	-.0016	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
12	Unk: RECUPERACION 15/01/2016 11:12:15 CONC x100 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	42.63	41.58	39.97	43.76	37.63	44.59	38.99	38.64	45.42	
Desv. Est.	.54	.27	.13	.30	.30	.10	.04	.14	.07	
% RSD	1.266	.6495	.3157	.6913	.8016	.2297	.1092	.3559	.1635	
Rep #1	43.03	41.88	40.11	44.04	37.52	44.52	39.03	38.59	45.50	
Rep #2	42.02	41.36	39.94	43.81	37.40	44.71	39.01	38.80	45.41	
Rep #3	42.84	41.50	39.86	43.44	37.97	44.54	38.95	38.53	45.35	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
13	Blanco: REACTIVO 15/01/2016 11:14:48 CONC x100 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	14.81	-.4358	-.1158	.0252	2.548	-.0165	-.0933	-.0547	1.193	
Desv. Est.	1.78	.0732	.0141	.1803	.108	.0526	.0171	.0724	.044	
% RSD	12.01	16.79	12.17	716.0	4.238	319.5	18.32	132.4	3.732	
Rep #1	16.82	-.5203	-.1040	-.1830	2.428	.0118	-.1115	-.1289	1.144	
Rep #2	13.43	-.3944	-.1314	.1339	2.637	-.0772	-.0776	-.0508	1.205	
Rep #3	14.19	-.3928	-.1120	.1246	2.579	.0160	-.0908	.0157	1.230	
Comprobació										
Valor										
Intervalo										
14	Unk: GISC15-24204 15/01/2016 11:17:59 CONC x180.77 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	1.108	<.0000	<.0000	.3246	380.3	.1130	<.0000	<.0000	2.940	
Desv. Est.	2.244	.4248	.0175	.3180	1.0	.0649	.0088	.1137	.026	
% RSD	202.6	616.1	22.06	97.97	.2513	57.43	7.076	44.72	.8984	
Rep #1	-1.121	.3996	-.0678	.6764	379.7	.1451	-.1180	-.2438	2.914	
Rep #2	1.077	-.1776	-.0707	.2399	381.4	.0383	-.1221	-.1460	2.940	
Rep #3	3.367	-.4289	-.0994	.0575	379.8	.1557	-.1349	-.3726	2.967	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
15	Unk: GISC15-24206 15/01/2016 11:20:27 CONC x179.21 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	

Media	<.0000	<.0000	<.0000	.4733	336.1	.0286	<.0000	<.0000	2.414
Desv. Est.	2.078	.2482	.0065	.1348	.3	.0368	.0444	.2891	.023
% RSD	26.16	331.1	6.973	28.48	.0879	128.4	95.08	130.0	.9565
Rep #1	-6.651	-.3255	-.1002	.3178	335.8	.0014	-.0362	.0505	2.402
Rep #2	-6.843	-.0702	-.0939	.5562	336.0	.0140	-.0955	-.1923	2.399
Rep #3	-10.34	.1708	-.0871	.5459	336.4	.0705	-.0085	-.5254	2.440
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
20	Unk: GISC15-24216 15/01/2016 11:32:22 CONC x128.01 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.1807	<.0000	<.0000	370.9	.0193	<.0000	<.0000	3.474
Desv. Est.	.9642	.5444	.0106	.2997	.3	.0239	.0872	.0730	.017
% RSD	11.16	301.3	115.7	205.1	.0712	123.7	1416.	29.70	.4956
Rep #1	-8.527	-.4204	-.0045	.1795	371.1	.0469	.0182	-.1707	3.481
Rep #2	-7.738	.3219	-.0017	-.4105	370.9	.0074	.0663	-.3165	3.454
Rep #3	-9.656	.6407	-.0214	-.2074	370.6	.0037	-.1029	-.2500	3.486
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
21	QC: PatrónQC 15/01/2016 11:40:46 CONC DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4210	.3926	.3714	.4183	.4236	.4182	.3648	.3649	.4378
Desv. Est.	.0121	.0015	.0024	.0026	.0061	.0045	.0027	.0009	.0030
% RSD	2.886	.3710	.6520	.6320	1.451	1.074	.7419	.2425	.6833
Rep #1	.4350	.3939	.3741	.4176	.4258	.4214	.3679	.3659	.4409
Rep #2	.4146	.3928	.3708	.4212	.4284	.4202	.3637	.3644	.4374
Rep #3	.4133	.3910	.3694	.4161	.4167	.4131	.3628	.3645	.4350
Comprobació	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
22	Unk: GISC15-24219 15/01/2016 11:43:52 CONC x218.72 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	<.0000	<.0000	.2406	484.1	<.0000	<.0000	<.0000	18.26
Desv. Est.	2.738	.1425	.0072	.8408	1.9	.1007	.0760	.0500	.03
% RSD	96.98	27.10	4.182	349.5	.3981	893.8	30.66	26.17	.1518
Rep #1	-5.470	-.4080	-.1772	-.2433	482.6	-.1076	-.2050	-.1541	18.28
Rep #2	-.0028	-.6842	-.1739	-.2465	483.3	-.0195	-.3357	-.1710	18.23
Rep #3	-2.996	-.4852	-.1635	1.211	486.3	.0933	-.2030	-.2479	18.27
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
23	Unk: GISC15-24220 15/01/2016 11:46:07 CONC x119.22 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.0125	.0075	.2063	339.9	.0377	.0078	<.0000	5.294

Desv. Est.	.3470	.2010	.0088	.4163	3.4	.0508	.0652	.1978	.050
% RSD	3.714	1602.	117.1	201.8	1.006	134.6	832.4	208.6	.9529
Rep #1	-9.525	-.1637	.0039	.6396	337.0	.0440	-.0268	-.1281	5.338
Rep #2	-9.565	.2315	.0175	.1701	343.6	.0851	-.0328	-.2739	5.306
Rep #3	-8.945	-.0302	.0011	-.1908	338.9	-.0159	.0830	.1176	5.239
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
24	Unk: GISC15-24223 15/01/2016 11:48:37 CONC x226.45 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	<.0000	<.0000	<.0000	317.0	<.0000	<.0000	<.0000	44.81
Desv. Est.	2.056	.4104	.0064	.4957	.9	.1875	.0691	.3144	.14
% RSD	19.61	219.0	5.832	132.0	.2751	135.7	27.11	400.5	.3183
Rep #1	-8.226	-.2678	-.1147	-.5604	317.8	-.0363	-.3125	-.0926	44.64
Rep #2	-10.98	-.5516	-.1135	-.1860	317.0	-.0238	-.2736	-.3857	44.90
Rep #3	-12.25	.2572	-.1030	-.7523	316.1	-.3545	-.1783	.2427	44.87
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
25	Unk: GISC15-24224 15/01/2016 11:50:56 CONC x402.58 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	4.942	<.0000	<.0000	.9596	350.3	.1640	<.0000	<.0000	4.107
Desv. Est.	3.271	.8375	.0629	.7297	1.7	.2091	.1284	.5042	.092
% RSD	66.19	63.34	20.78	76.04	.4945	127.5	42.73	75.65	2.246
Rep #1	8.668	-.4451	-.2980	.9438	350.9	.2768	-.1924	-.5305	4.200
Rep #2	3.614	-1.408	-.3676	1.697	351.7	-.0773	-.4424	-.2442	4.105
Rep #3	2.544	-2.114	-.2421	.2379	348.4	.2925	-.2665	-1.225	4.015
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
26	Unk: GISC15-24226 15/01/2016 11:53:15 CONC x71.757 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.3360	.0727	.7902	393.7	.0649	.0744	<.0000	4.272
Desv. Est.	.7081	.0416	.0104	.2845	1.5	.0334	.0160	.0926	.145
% RSD	6.571	12.38	14.33	36.00	.3838	51.42	21.46	1247.	3.386
Rep #1	-11.48	.3386	.0649	.5457	392.2	.0561	.0559	.0324	4.202
Rep #2	-10.79	.3763	.0685	.7225	393.6	.1018	.0834	.0587	4.175
Rep #3	-10.06	.2932	.0845	1.102	395.2	.0368	.0837	-.1133	4.438
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
27	Unk: GISC15-24228 15/01/2016 11:55:40 CONC x102.75 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.1755	.0208	1.063	382.6	<.0000	<.0000	<.0000	4.336
Desv. Est.	.2218	.1206	.0092	.475	3.2	.0186	.0257	.2228	.047

% RSD	2.275	68.71	44.28	44.70	.8256	81.37	97.26	104.1	1.078
Rep #1	-9.837	.2519	.0300	1.215	385.1	-.0401	-.0025	-.3807	4.327
Rep #2	-9.918	.2381	.0209	1.443	383.7	-.0255	-.0536	.0391	4.386
Rep #3	-9.500	.0365	.0116	.5301	379.1	-.0031	-.0231	-.3003	4.294
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
28	Unk: GISC15-24230 15/01/2016 11:58:00 CONC x97.962 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.1970	.0277	.3440	397.1	.0526	.0748	<.0000	2.684
Desv. Est.	.1983	.0800	.0040	.1434	3.0	.0341	.0439	.0439	.074
% RSD	1.814	40.61	14.34	41.67	.7483	64.85	58.75	58.65	2.774
Rep #1	-10.82	.2411	.0320	.4270	399.5	.0226	.0281	-.1075	2.732
Rep #2	-11.16	.1046	.0271	.4265	398.0	.0455	.0808	-.0249	2.723
Rep #3	-10.82	.2452	.0241	.1785	393.7	.0897	.1154	-.0924	2.599
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
29	Unk: GISC15-24232 15/01/2016 12:00:17 CONC x125.69 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.1152	.0017	.5425	419.7	.0957	<.0000	.0305	2.545
Desv. Est.	1.981	.2681	.0037	.1413	2.4	.0615	.0124	.0662	.018
% RSD	20.86	232.6	213.1	26.04	.5816	64.27	16.34	216.9	.7001
Rep #1	-10.89	.3743	.0029	.3943	418.4	.0578	-.0653	.0353	2.561
Rep #2	-10.37	.1324	-.0024	.5574	422.5	.0627	-.0733	.0943	2.547
Rep #3	-7.226	-.1610	.0046	.6756	418.1	.1667	-.0897	-.0380	2.526
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
30	Unk: GISC15-24234 15/01/2016 12:02:35 CONC x81.94 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.1990	.0399	.6679	351.6	.0020	<.0000	.0543	3.556
Desv. Est.	.7571	.1886	.0160	.7117	.6	.0403	.0178	.0870	.005
% RSD	6.005	94.76	40.13	106.5	.1649	2016.	98.39	160.0	.1295
Rep #1	-11.80	.3285	.0582	.4205	351.9	.0418	-.0385	.1196	3.557
Rep #2	-12.73	-.0174	.0330	1.470	351.9	.0030	-.0108	-.0444	3.560
Rep #3	-13.30	.2860	.0285	.1130	350.9	-.0388	-.0051	.0878	3.551
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
31	QC: Patr3nQC 15/01/2016 12:03:29 CONC DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4277	.3939	.3744	.4168	.4215	.4217	.3685	.3661	.4384
Desv. Est.	.0059	.0030	.0033	.0057	.0069	.0092	.0033	.0038	.0038
% RSD	1.368	.7673	.8741	1.365	1.646	2.189	.9075	1.029	.8745

Rep #1	.4228	.3958	.3735	.4134	.4185	.4135	.3676	.3651	.4380
Rep #2	.4342	.3904	.3716	.4234	.4294	.4317	.3657	.3628	.4348
Rep #3	.4263	.3955	.3780	.4137	.4166	.4198	.3722	.3702	.4424
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
32	Unk: GISC15-24235 15/01/2016 12:04:56 CONC x37.414 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.3466	.0836	.0563	153.7	.0389	.0732	.0269	<.0000
Desv. Est.	.9208	.0971	.0067	.0967	6.7	.0101	.0218	.0220	.0267
% RSD	7.582	28.01	8.049	171.7	4.351	26.00	29.81	81.53	7.253
Rep #1	-12.58	.4382	.0849	.0486	146.3	.0293	.0813	.0480	-.3942
Rep #2	-12.76	.3568	.0896	.1567	159.3	.0494	.0898	.0285	-.3408
Rep #3	-11.09	.2449	.0763	-.0363	155.5	.0380	.0485	.0042	-.3701
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
33	Unk: GISC15-24237 15/01/2016 12:07:32 CONC x108.7 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.6239	.0173	1.491	767.5	<.0000	<.0000	.0796	7.642
Desv. Est.	1.703	.2600	.0283	.496	2.6	.0353	.0523	.2182	.347
% RSD	19.27	41.67	163.2	33.29	.3439	312.5	52.54	274.1	4.545
Rep #1	-10.27	.4307	.0257	1.076	764.7	-.0501	-.0569	.1486	7.437
Rep #2	-6.955	.5216	.0404	1.357	767.8	-.0028	-.0837	.2550	7.446
Rep #3	-9.272	.9195	-.0142	2.041	769.9	.0190	-.1578	-.1648	8.043
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
34	Unk: GISC15-24244 15/01/2016 12:09:52 CONC x55.928 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.2285	.0581	.4160	219.0	.0857	<.0000	.0428	1.789
Desv. Est.	.9721	.0285	.0042	.1409	2.1	.0155	.0095	.1055	.006
% RSD	10.86	12.47	7.214	33.86	.9616	18.05	197.8	246.6	.3645
Rep #1	-9.894	.2167	.0622	.2623	221.5	.1033	.0028	-.0790	1.794
Rep #2	-9.002	.2078	.0582	.5389	218.0	.0741	-.0154	.1039	1.782
Rep #3	-7.952	.2610	.0538	.4466	217.7	.0799	-.0018	.1035	1.791
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
35	Unk: GISC15-24250 15/01/2016 12:12:12 CONC x101.3 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.2999	.0404	2.278	799.1	.0412	<.0000	<.0000	7.899
Desv. Est.	.9763	.2771	.0086	.421	7.4	.0360	.0482	.1457	.208
% RSD	10.68	92.39	21.42	18.47	.9315	87.35	325.1	73.06	2.629
Rep #1	-8.108	.1159	.0339	2.006	807.3	.0027	.0254	-.2448	8.038

Rep #2	-9.254	.6185	.0502	2.763	797.4	.0741	-.0683	-.0364	7.998
Rep #3	-10.05	.1652	.0370	2.065	792.8	.0468	-.0016	-.3170	7.660
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
36	Unk: GISC15-24257 15/01/2016 12:14:33 CONC x39.987 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.3222	.0809	.2368	214.0	.0179	.0350	<.0000	.2286
Desv. Est.	.1809	.1239	.0026	.0118	1.4	.0423	.0098	.0356	.0070
% RSD	1.410	38.46	3.184	4.999	.6768	236.7	27.87	73.83	3.078
Rep #1	-12.73	.2970	.0785	.2497	214.9	.0379	.0463	-.0434	.2362
Rep #2	-13.04	.4568	.0837	.2264	214.8	.0465	.0290	-.0861	.2224
Rep #3	-12.72	.2129	.0806	.2344	212.3	-.0307	.0297	-.0153	.2272
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
37	Unk: GISC15-24264 15/01/2016 12:16:34 CONC x83.836 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.729	.2304	.0360	.6915	424.2	.0014	<.0000	<.0000	4.254
Desv. Est.	1.146	.1969	.0064	.1630	5.2	.0234	.0275	.0234	.022
% RSD	42.01	85.49	17.88	23.58	1.232	1679.	79.97	138.6	.5162
Rep #1	3.974	.2729	.0418	.7547	429.8	.0040	-.0413	.0015	4.278
Rep #2	1.716	.4025	.0291	.8135	423.5	-.0232	-.0041	-.0089	4.234
Rep #3	2.498	.0156	.0372	.5063	419.4	.0233	-.0579	-.0433	4.249
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
38	Unk: GISC15-24271 15/01/2016 12:19:08 CONC x93.914 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	34.98	<.0000	.0321	.8503	526.8	.0952	<.0000	<.0000	5.811
Desv. Est.	1.73	.0880	.0109	.0905	3.4	.0372	.0241	.1315	.058
% RSD	4.950	447.3	33.96	10.64	.6543	39.13	152.2	202.4	.9989
Rep #1	36.71	-.1156	.0199	.8752	523.5	.0638	-.0353	.0787	5.846
Rep #2	33.24	-.0009	.0357	.7501	526.6	.0854	-.0233	-.1795	5.842
Rep #3	34.99	.0574	.0408	.9258	530.4	.1363	.0111	-.0942	5.744
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
39	Unk: GISC15-24302 15/01/2016 12:21:31 CONC x73.703 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.4137	.0608	.5102	497.3	.8881	<.0000	.0405	2.645
Desv. Est.	.8028	.0889	.0028	.3017	6.7	.0169	.0408	.0753	.011
% RSD	12.99	21.48	4.671	59.14	1.341	1.901	1143.	185.7	.4123
Rep #1	-6.091	.5160	.0638	.7449	503.3	.9021	.0127	.1155	2.647
Rep #2	-5.424	.3686	.0605	.1699	498.6	.8694	.0266	.0411	2.654

Rep #3	-7.023	.3564	.0581	.6157	490.1	.8928	-.0499	-.0350	2.633
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
40	Unk: GISC15-24309 15/01/2016 12:24:05 CONC x67.096 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.5480	.0851	.7415	708.7	.0286	.0271	<.0000	3.484
Desv. Est.	.7269	.0587	.0065	.2246	2.8	.0447	.0458	.0969	.124
% RSD	6.494	10.71	7.617	30.29	.3945	156.5	169.2	657.7	3.551
Rep #1	-10.69	.5400	.0799	.7377	705.5	-.0229	.0798	-.0889	3.360
Rep #2	-12.03	.4937	.0924	.9681	710.1	.0507	.0039	-.0503	3.484
Rep #3	-10.86	.6102	.0829	.5188	710.6	.0579	-.0025	.0950	3.608
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
41	Unk: GISC15-24316 15/01/2016 12:26:38 CONC x43.343 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.3442	.0769	.3315	196.4	.0415	.0070	.0286	1.056
Desv. Est.	.1487	.0660	.0032	.0372	2.3	.0046	.0241	.0802	.012
% RSD	1.186	19.17	4.171	11.22	1.189	11.08	342.8	280.6	1.161
Rep #1	-12.68	.3589	.0759	.3604	199.0	.0458	.0301	.1139	1.048
Rep #2	-12.38	.2721	.0742	.2895	195.4	.0420	-.0179	-.0453	1.051
Rep #3	-12.55	.4015	.0804	.3445	194.6	.0366	.0088	.0171	1.071
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
42	QC: Patr3nQC 15/01/2016 12:35:52 CONC DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4208	.3963	.3778	.4180	.4224	.4221	.3707	.3692	.4402
Desv. Est.	.0228	.0054	.0034	.0031	.0046	.0037	.0035	.0039	.0038
% RSD	5.413	1.355	.8993	.7487	1.097	.8845	.9419	1.048	.8527
Rep #1	.4110	.3976	.3747	.4149	.4254	.4205	.3672	.3670	.4371
Rep #2	.4468	.4009	.3814	.4181	.4247	.4264	.3742	.3737	.4443
Rep #3	.4045	.3904	.3773	.4212	.4171	.4194	.3707	.3671	.4391
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
43	Unk: GISC15-24322 15/01/2016 12:37:40 CONC x84.602 DMP-160115:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.2737	.0333	.3932	367.6	<.0000	<.0000	<.0000	2.096
Desv. Est.	.4828	.0785	.0064	.1175	2.4	.0040	.0145	.0237	.018
% RSD	4.076	28.67	19.09	29.89	.6621	83.98	53.76	70.19	.8512
Rep #1	-12.03	.2144	.0364	.4470	365.6	-.0084	-.0285	-.0484	2.082
Rep #2	-12.21	.2440	.0375	.4743	370.3	-.0054	-.0118	-.0064	2.116
Rep #3	-11.30	.3627	.0260	.2584	366.9	-.0005	-.0407	-.0463	2.090

Valor										
Intervalo										
48	Unk: GISC15-24351 15/01/2016 12:50:12 CONC x230.84 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.183	<.0000	.0647	.6341	451.4	.2654	.1317	<.0000	19.70	
Desv. Est.	1.581	.4340	.0086	.6009	5.2	.1384	.0535	.1178	.49	
% RSD	133.6	107.7	13.31	94.76	1.153	52.13	40.64	82.93	2.498	
Rep #1	1.653	-.8064	.0548	-.0134	451.3	.1793	.1764	-.2244	19.25	
Rep #2	2.476	-.4584	.0690	.7419	456.7	.4250	.0724	-.1947	19.62	
Rep #3	-.5789	.0563	.0704	1.174	446.3	.1920	.1463	-.0071	20.23	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
49	Unk: GISC15-24364 15/01/2016 12:52:37 CONC x226.86 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	<.0000	<.0000	.4731	425.4	.1330	<.0000	.1297	10.13	
Desv. Est.	2.946	.4699	.0190	1.047	1.9	.0682	.0752	.1898	.10	
% RSD	44.25	139.6	52.47	221.3	.4385	51.30	167.2	146.4	1.032	
Rep #1	-4.134	.1848	-.0333	-.7358	424.8	.0748	-.0947	.0332	10.02	
Rep #2	-5.943	-.7273	-.0565	1.080	423.9	.2081	.0415	.3483	10.23	
Rep #3	-9.895	-.4675	-.0188	1.075	427.5	.1161	-.0817	.0075	10.13	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
50	Unk: GISC15-24366 15/01/2016 12:55:05 CONC x185.74 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.1942	<.0000	.5962	544.0	.1071	<.0000	<.0000	7.948	
Desv. Est.	1.428	.2662	.0173	.8089	7.1	.1616	.0827	.3463	.154	
% RSD	19.64	137.1	37.11	135.7	1.303	151.0	71.42	696.5	1.933	
Rep #1	-5.912	.4565	-.0284	-.3314	549.6	.2101	-.1659	-.1169	8.087	
Rep #2	-7.141	.2019	-.0628	.9650	546.4	-.0792	-.1611	-.3575	7.974	
Rep #3	-8.759	-.0757	-.0484	1.155	536.0	.1903	-.0203	.3252	7.783	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
51	Unk: GISC15-24368 15/01/2016 12:57:35 CONC x122.13 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.4414	.0201	.4825	415.8	<.0000	<.0000	<.0000	2.810	
Desv. Est.	.8302	.2324	.0193	.4258	1.5	.0543	.0326	.1361	.034	
% RSD	7.205	52.66	96.09	88.25	.3710	3267.	41.79	222.0	1.197	
Rep #1	-10.89	.3139	.0424	.1360	417.3	.0134	-.0514	.0904	2.811	
Rep #2	-12.46	.7097	.0090	.9579	415.9	-.0619	-.1145	-.1727	2.843	
Rep #3	-11.22	.3007	.0089	.3537	414.2	.0435	-.0685	-.1016	2.776	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										

Intervalo										
52	Unk: GISC15-24371 15/01/2016 13:00:05 CONC x115.21 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.1677	.0032	.0443	206.2	.1756	<.0000	<.0000	41.91	
Desv. Est.	1.435	.1783	.0105	.3593	1.8	.0538	.0079	.2484	.07	
% RSD	16.12	106.3	331.3	811.7	.8759	30.62	11.01	323.1	.1698	
Rep #1	-7.579	.1911	-.0041	.3012	207.7	.2185	-.0626	.1165	41.99	
Rep #2	-10.43	.3333	-.0017	.1979	204.2	.1153	-.0777	-.3569	41.87	
Rep #3	-8.693	-.0211	.0153	-.3663	206.7	.1931	-.0739	.0098	41.86	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
53	QC: PatrónQC 15/01/2016 13:06:28 CONC DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.4499	.4254	.4045	.4574	.3923	.4641	.3955	.3965	.4676	
Desv. Est.	.0097	.0015	.0007	.0026	.0027	.0040	.0019	.0016	.0007	
% RSD	2.153	.3414	.1853	.5765	.6909	.8674	.4735	.4090	.1449	
Rep #1	.4483	.4268	.4052	.4602	.3936	.4687	.3976	.3984	.4683	
Rep #2	.4602	.4239	.4044	.4571	.3940	.4619	.3950	.3959	.4675	
Rep #3	.4411	.4255	.4037	.4549	.3892	.4616	.3939	.3953	.4670	
Comprobació	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor										
Intervalo										
54	Unk: GISC15-24372 15/01/2016 13:07:01 CONC x257.47 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.1946	<.0000	.6635	948.2	<.0000	<.0000	<.0000	20.70	
Desv. Est.	1.390	.3956	.0129	.2955	9.0	.2332	.0596	.3946	.08	
% RSD	61.58	203.3	12.48	44.54	.9469	426.9	30.58	215.9	.3960	
Rep #1	-6.841	.6512	-.1176	.9943	938.2	.1780	-.1461	.2002	20.68	
Rep #2	-2.766	-.0276	-.0921	.5706	950.7	-.0535	-.2612	-.5880	20.79	
Rep #3	-3.320	-.0399	-.1013	.4255	955.6	-.2883	-.1771	-.1605	20.62	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										
55	Unk: GISC15-24374 15/01/2016 13:09:30 CONC x122.07 DMP-160115:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	.4743	.0278	.9510	1278.	.1089	<.0000	.0384	10.60	
Desv. Est.	.4487	.1927	.0048	.3307	21.	.0776	.0384	.1691	.09	
% RSD	5.005	40.63	17.41	34.77	1.653	71.31	40.87	440.5	.8421	
Rep #1	-9.412	.4203	.0229	.6638	1302.	.1378	-.0784	-.0062	10.69	
Rep #2	-8.970	.6882	.0279	.8767	1266.	.1679	-.0657	.2254	10.61	
Rep #3	-8.515	.3143	.0326	1.313	1265.	.0209	-.1376	-.1040	10.51	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor										
Intervalo										

1	Cal: Blanco 18/01/2016 16:55:26 IR D Hg-160118:
	Hg1942
Unidades	Cts/s
Media	-1.763
Desv. Est.	1.578
% RSD	89.52
Rep #1	.0072
Rep #2	-3.023
Rep #3	-2.273
2	Cal: STD 1 18/01/2016 16:57:03 IR D Hg-160118:
	Hg1942
Unidades	Cts/s
Media	53.28
Desv. Est.	5.07
% RSD	9.517
Rep #1	47.46
Rep #2	55.67
Rep #3	56.72
3	Cal: STD 2 18/01/2016 16:58:33 IR D Hg-160118:
	Hg1942
Unidades	Cts/s
Media	167.4
Desv. Est.	10.5
% RSD	6.288
Rep #1	155.4
Rep #2	172.3
Rep #3	174.7
4	Cal: STD 3 18/01/2016 16:59:59 IR D Hg-160118:
	Hg1942
Unidades	Cts/s
Media	286.7
Desv. Est.	13.3
% RSD	4.625
Rep #1	272.1
Rep #2	297.9
Rep #3	290.2
5	Cal: STD 4 18/01/2016 17:01:21 IR D Hg-160118:
	Hg1942
Unidades	Cts/s
Media	592.6
Desv. Est.	26.7
% RSD	4.496
Rep #1	562.0
Rep #2	605.8
Rep #3	610.1
6	QC: PatrónQC 18/01/2016 17:02:47 CONC D Hg-160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0053
Desv. Est.	.0002

% RSD	3.731
Rep #1	.0056
Rep #2	.0053
Rep #3	.0052
Comprobación	Pasa Comp
Valor	
Intervalo	
7	Unk: BLANCO 18/01/2016 17:04:31 CONC D Hg-160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0001
Desv. Est.	.0000
% RSD	22.29
Rep #1	.0001
Rep #2	.0000
Rep #3	.0001
8	Unk: RECUPERACION 18/01/2016 17:06:04 CONC x100
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.5160
Desv. Est.	.0072
% RSD	1.393
Rep #1	.5078
Rep #2	.5189
Rep #3	.5213
9	Blanco: REACTIVO 18/01/2016 17:08:36 CONC D Hg-160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0000
Desv. Est.	.0000
% RSD	298.7
Rep #1	.0000
Rep #2	.0000
Rep #3	-.0000
10	Unk: GISC15-24204 18/01/2016 17:10:42 CONC x180.77
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0096
Desv. Est.	.0028
% RSD	29.33
Rep #1	-.0126
Rep #2	-.0094
Rep #3	-.0070
11	Unk: GISC15-24206 18/01/2016 17:12:02 CONC x229.99
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0164

Desv. Est.	.0059
% RSD	35.88
Rep #1	-.0152
Rep #2	-.0112
Rep #3	-.0228
12	Unk: GISC15-24209 18/01/2016 17:13:26 CONC x391.24 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0070
Desv. Est.	.0024
% RSD	34.00
Rep #1	.0097
Rep #2	.0050
Rep #3	.0064
13	Unk: GISC15-24210 18/01/2016 17:14:40 CONC x144.51 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0152
Desv. Est.	.0010
% RSD	6.874
Rep #1	-.0153
Rep #2	-.0142
Rep #3	-.0163
14	Unk: GISC15-24212 18/01/2016 17:16:15 CONC x183.82 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0028
Desv. Est.	.0043
% RSD	156.2
Rep #1	.0019
Rep #2	-.0065
Rep #3	-.0037
15	Unk: GISC15-24215 18/01/2016 17:17:32 CONC x161.19 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0078
Desv. Est.	.0007
% RSD	9.553
Rep #1	-.0081
Rep #2	-.0084
Rep #3	-.0070
16	Unk: GISC15-24216 18/01/2016 17:19:11 CONC x128.01 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0093
Desv. Est.	.0136
% RSD	146.2

Rep #1	.0248
Rep #2	.0042
Rep #3	-.0010
17	QC: PatrónQC 18/01/2016 17:20:36 CONC D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0050
Desv. Est.	.0002
% RSD	4.910
Rep #1	.0047
Rep #2	.0051
Rep #3	.0051
Comprobación	Pasa Comp
Valor	
Intervalo	
18	Unk: GISC15-24219 18/01/2016 17:22:12 CONC x218.72 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0202
Desv. Est.	.0071
% RSD	35.00
Rep #1	.0279
Rep #2	.0189
Rep #3	.0139
19	Unk: GISC15-24220 18/01/2016 17:23:49 CONC x274.73 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0062
Desv. Est.	.0046
% RSD	74.27
Rep #1	.0084
Rep #2	.0093
Rep #3	.0009
20	Unk: GISC15-24223 18/01/2016 17:25:19 CONC x226.45 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0114
Desv. Est.	.0011
% RSD	9.913
Rep #1	.0121
Rep #2	.0101
Rep #3	.0120
21	Unk: GISC15-24224 18/01/2016 17:26:57 CONC x402.58 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0146
Desv. Est.	.0104

% RSD	71.29
Rep #1	.0115
Rep #2	.0263
Rep #3	.0061
22	Unk: GISC15-24226 18/01/2016 17:28:21 CONC x71.757 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0079
Desv. Est.	.0005
% RSD	5.880
Rep #1	-.0080
Rep #2	-.0082
Rep #3	-.0073
23	Unk: GISC15-24228 18/01/2016 17:29:56 CONC x102.75 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0090
Desv. Est.	.0010
% RSD	11.68
Rep #1	-.0101
Rep #2	-.0080
Rep #3	-.0089
24	Unk: GISC15-24230 18/01/2016 17:31:51 CONC x97.962 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0093
Desv. Est.	.0019
% RSD	20.82
Rep #1	-.0076
Rep #2	-.0114
Rep #3	-.0088
25	Unk: GISC15-24232 18/01/2016 17:33:14 CONC x125.69 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0084
Desv. Est.	.0022
% RSD	26.20
Rep #1	-.0106
Rep #2	-.0084
Rep #3	-.0062
26	Unk: GISC15-24234 18/01/2016 17:35:16 CONC x81.94 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0076
Desv. Est.	.0005
% RSD	6.253
Rep #1	-.0073

Rep #2	-0081
Rep #3	-0073
27	Unk: GISC15-24235 18/01/2016 17:36:36 CONC x37.414 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0064
Desv. Est.	.0007
% RSD	10.61
Rep #1	-0065
Rep #2	-0069
Rep #3	-0056
28	QC: PatrónQC 18/01/2016 17:38:08 CONC D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0050
Desv. Est.	.0003
% RSD	5.677
Rep #1	.0046
Rep #2	.0051
Rep #3	.0051
Comprobación	Pasa Comp
Valor	
Intervalo	
29	Unk: GISC15-24237 18/01/2016 17:39:38 CONC x108.7 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0060
Desv. Est.	.0072
% RSD	120.4
Rep #1	.0022
Rep #2	-0113
Rep #3	-0088
30	Unk: GISC15-24244 18/01/2016 17:41:06 CONC x55.928 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0054
Desv. Est.	.0011
% RSD	19.32
Rep #1	-0062
Rep #2	-0059
Rep #3	-0042
31	Unk: GISC15-24250 18/01/2016 17:42:48 CONC x101.3 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0068
Desv. Est.	.0010
% RSD	15.38

Rep #1	-0057
Rep #2	-0067
Rep #3	-0078
32	Unk: GISC15-24257 18/01/2016 17:44:13 CONC x39.987 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0045
Desv. Est.	.0008
% RSD	17.37
Rep #1	-0037
Rep #2	-0053
Rep #3	-0045
33	Unk: GISC15-24264 18/01/2016 17:45:36 CONC x83.836 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0101
Desv. Est.	.0007
% RSD	6.685
Rep #1	-0094
Rep #2	-0108
Rep #3	-0100
34	Unk: GISC15-24271 18/01/2016 17:46:58 CONC x93.914 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0093
Desv. Est.	.0011
% RSD	11.42
Rep #1	-0081
Rep #2	-0098
Rep #3	-0101
35	Unk: GISC15-24302 18/01/2016 17:48:18 CONC x73.703 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0064
Desv. Est.	.0010
% RSD	16.22
Rep #1	-0077
Rep #2	-0059
Rep #3	-0058
36	Unk: GISC15-24309 18/01/2016 17:49:22 CONC x67.096 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0052
Desv. Est.	.0010
% RSD	19.68
Rep #1	-0063
Rep #2	-0044

Rep #3	-0048
37	Unk: GISC15-24316 18/01/2016 17:50:38 CONC x43.335 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0068
Desv. Est.	.0005
% RSD	7.911
Rep #1	-0062
Rep #2	-0071
Rep #3	-0072
38	Unk: GISC15-24322 18/01/2016 17:51:57 CONC x83.459 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0092
Desv. Est.	.0016
% RSD	17.94
Rep #1	-0095
Rep #2	-0074
Rep #3	-0106
39	Unk: GISC15-24325 18/01/2016 17:53:25 CONC x93.773 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0085
Desv. Est.	.0007
% RSD	8.439
Rep #1	-0086
Rep #2	-0077
Rep #3	-0091
40	QC: PatrónQC 18/01/2016 17:55:24 CONC D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0047
Desv. Est.	.0004
% RSD	8.730
Rep #1	.0043
Rep #2	.0049
Rep #3	.0051
Comprobación	Pasa Comp
Valor	
Intervalo	
41	Unk: GISC15-24330 18/01/2016 17:57:05 CONC x75.919 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0085
Desv. Est.	.0141
% RSD	165.2
Rep #1	.0241

Rep #2	.0049
Rep #3	-.0034
42	Unk: GISC15-24336 18/01/2016 17:58:25 CONC x115.21 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0284
Desv. Est.	.0030
% RSD	10.69
Rep #1	.0249
Rep #2	.0303
Rep #3	.0301
43	Unk: GISC15-24345 18/01/2016 17:59:43 CONC x257.47 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0057
Desv. Est.	.0087
% RSD	152.6
Rep #1	.0036
Rep #2	-.0071
Rep #3	-.0137
44	Unk: GISC15-24351 18/01/2016 18:01:03 CONC x230.84 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0036
Desv. Est.	.0026
% RSD	70.67
Rep #1	.0047
Rep #2	.0007
Rep #3	.0055
45	Unk: GISC15-24364 18/01/2016 18:02:24 CONC x226.86 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0148
Desv. Est.	.0078
% RSD	52.83
Rep #1	-.0118
Rep #2	-.0089
Rep #3	-.0237
46	Unk: GISC15-24366 18/01/2016 18:03:45 CONC x185.74 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0058
Desv. Est.	.0043
% RSD	74.68
Rep #1	-.0053
Rep #2	-.0017
Rep #3	-.0103

47	Unk: GISC15-24368 18/01/2016 18:05:03 CONC x122.13 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0089
Desv. Est.	.0011
% RSD	12.75
Rep #1	-.0077
Rep #2	-.0091
Rep #3	-.0100
48	Unk: GISC15-24371 18/01/2016 18:06:22 CONC x115.21 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0017
Desv. Est.	.0017
% RSD	100.5
Rep #1	-.0033
Rep #2	.0001
Rep #3	-.0018
49	Unk: GISC15-24372 18/01/2016 18:07:43 CONC x257.47 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0162
Desv. Est.	.0027
% RSD	16.75
Rep #1	-.0138
Rep #2	-.0192
Rep #3	-.0157
50	Unk: GISC15-24374 18/01/2016 18:09:00 CONC x122.07 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0031
Desv. Est.	.0009
% RSD	29.64
Rep #1	-.0026
Rep #2	-.0026
Rep #3	-.0042
51	Unk: GISC15-24376 18/01/2016 18:10:22 CONC x42.201 D Hg-160118: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0076
Desv. Est.	.0004
% RSD	5.672
Rep #1	-.0072
Rep #2	-.0076
Rep #3	-.0081
52	QC: PatrónQC 18/01/2016 18:11:53 CONC D Hg-160118:

	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0050
Desv. Est.	.0001
% RSD	1.343
Rep #1	.0050
Rep #2	.0051
Rep #3	.0050
Comprobación	Pasa Comp
Valor	
Intervalo	
53	Unk: GISC15-24378 18/01/2016 18:13:24 CONC x146.8 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.1163
Desv. Est.	.0068
% RSD	5.814
Rep #1	.1241
Rep #2	.1123
Rep #3	.1125
54	Unk: GISC15-24381 18/01/2016 18:14:45 CONC x269.4 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0163
Desv. Est.	.0052
% RSD	32.00
Rep #1	.0202
Rep #2	.0182
Rep #3	.0104
55	Unk: GISC15-24383 18/01/2016 18:16:06 CONC x240.15 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0002
Desv. Est.	.0065
% RSD	3393.
Rep #1	-.0026
Rep #2	.0072
Rep #3	-.0052
56	Unk: GISC15-24384 18/01/2016 18:17:20 CONC x95.456 Date: 160116 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0094
Desv. Est.	.0016
% RSD	16.63
Rep #1	-.0078
Rep #2	-.0096
Rep #3	-.0109

57	Unk: GISC15-24391 18/01/2016 18:18:39 CONC x141 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0097
Desv. Est.	.0011
% RSD	11.71
Rep #1	-.0104
Rep #2	-.0103
Rep #3	-.0084
58	Unk: GISC15-24399 18/01/2016 18:20:04 CONC x306 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0177
Desv. Est.	.0044
% RSD	24.72
Rep #1	-.0226
Rep #2	-.0140
Rep #3	-.0166
59	Unk: GISC15-24405 18/01/2016 18:21:21 CONC x76.243 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0079
Desv. Est.	.0031
% RSD	39.47
Rep #1	-.0087
Rep #2	-.0106
Rep #3	-.0045
60	Unk: GISC15-24410 18/01/2016 18:22:38 CONC x41.268 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0008
Desv. Est.	.0005
% RSD	57.64
Rep #1	-.0013
Rep #2	-.0006
Rep #3	-.0005
61	Unk: GISC15-24419 18/01/2016 18:23:59 CONC x19.539 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0090
Desv. Est.	.0005
% RSD	5.077
Rep #1	-.0085
Rep #2	-.0092
Rep #3	-.0094
62	Unk: GISC15-24426 18/01/2016 18:25:22 CONC x136.91 Hg1942

	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0155
Desv. Est.	.0048
% RSD	31.14
Rep #1	-.0208
Rep #2	-.0146
Rep #3	-.0112
63	QC: PatrónQC 18/01/2016 18:26:45 CONC D Hg-160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0045
Desv. Est.	.0004
% RSD	8.531
Rep #1	.0043
Rep #2	.0050
Rep #3	.0044
Comprobación	Pasa Comp
Valor	
Intervalo	
64	Unk: GISC15-24433 18/01/2016 18:32:42 CONC x100 D Hg-160118:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0018
Desv. Est.	.0010
% RSD	54.68
Rep #1	-.0012
Rep #2	-.0029
Rep #3	-.0013

CONTENIDO

MUESTRAS BIOLÓGICAS

(Sangre Cuarto Lote)

- 1.1 Informes de resultados de prueba**
- 1.2 Curva de calibración**
- 1.3 Evaluación de muestras de control de calidad**
- 1.4 Datos crudos de lote analítico**



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.
EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx

Número de acreditación No. SA-159-005/11
Vigencia de acreditación a partir de 2011-05-10
"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración".

INFORME DE RESULTADOS DE PRUEBA

DATOS DE LA MUESTRA

Matriz: MB (Sangre)

Fecha de Recepción: 2015-11-20

INTERESADO

Nombre : Laboratorio Nacional de las Ciencias de la Sostenibilidad; Instituto de Ecología-UNAM

Dirección: Av. Universidad No. 3000, Col. UNAM, CU, Del. Coyoacán, Distrito Federal, CP 04510

DATOS DEL ANÁLISIS

Método: Determinación de metales y metaloides en agua y alimentos por Espectrometría de Emisión de Plasma de Acoplamiento Inductivo (ICP-OES)

Referencia: EPA 6010C-2007

Resultados: Ver hoja excell2015/11/20 (1)

Fecha de Analisis de Metales y Mercurio: 2016-01-20 2016-01-22

Fecha de Realización del Informe: 2016-01-22

IDENTIFICACIÓN CLIENTE

CODIGO

CLAVE DE IDENTIFICACIÓN

L-F0072/15/00711	FR 450 (711-716,808)	GISC15-24440
L-F0073/15/00723	FR 433 (723-724)	GISC15-24452
L-F0073/15/00726	FR 436 (725-726)	GISC15-24455
L-F0073/15/00727	FR 437 (727-728)	GISC15-24456
L-F0073/15/00729	FR 438 (729-730)	GISC15-24458
L-F0074/15/00731	FR 439 (731-732)	GISC15-24460
L-F0074/15/00733	FR 441 (733-734)	GISC15-24462
L-F0074/15/00735	FR 447 (735-736)	GISC15-24464
L-F0074/15/00737	FR 448 (737-738)	GISC15-24466
L-F0074/15/00739	FR 449 (739-740)	GISC15-24468
L-F0075/15/00741	FR 452 (741-742)	GISC15-24470
L-F0075/15/00744	FR 455 (743-744)	GISC15-24473
L-F0075/15/00746	FR 451 (745-746)	GISC15-24475
L-F0075/15/00747	FR 454 (747-748)	GISC15-24476
L-F0079/15/00782	A 330 (777-782,807)	GISC15-24489
L-F0079/15/00789	A 326 (783-789)	GISC15-25118
L-F0080/15/00796	A 325 (790-796)	GISC15-25125
L-F0081/15/00803	A 328 (797-803)	GISC15-25132
L-F0082/15/00812	A 329 (804-806,809-812)	GISC15-25141
L-F0083/15/00824	A 331 (816-825)	GISC15-25153
L-F0084/15/00831	A 348 (826-831)	GISC15-25160
L-F0084/15/00832	A 323 (832-833)	GISC15-25161

IDENTIFICACIÓN CLIENTE

CODIGO

CLAVE DE IDENTIFICACIÓN

L-F0084/15/00834	A 327 (834,835)	GISC15-25163
L-F0084/15/00838	A 322 (836,838)	GISC15-25167
L-F0084/15/00840	A 333 (837,840)	GISC15-25169
L-F0085/15/00841	A 335 (839,841)	GISC15-25170
L-F0085/15/00843	A 336 (842,843)	GISC15-25172
L-F0085/15/00845	A 341 (844,845)	GISC15-25174
L-F0085/15/00846	A 344 (846,847)	GISC15-25175
L-F0086/15/00851	A 419 (850-856)	GISC15-25180
L-F0086/15/00858	A 409 (857-863)	GISC15-25187
L-F0087/15/00864	A 402 (864-870)	GISC15-25193
L-F0088/15/00872	A 417 (871-877)	GISC15-25203
L-F0088/15/00878	A 413 (878-884)	GISC15-25209
L-F0089/15/00886	A 423 (885-891)	GISC15-25217
L-F0090/15/00893	A 420 (892-893)	GISC15-25224
L-F0090/15/00895	A 421 (894-895)	GISC15-25226
L-F0090/15/00897	A 424 (896-897)	GISC15-25228
L-F0090/15/00899	A 425 (898-899)	GISC15-25230
L-F0091/15/00901	A 427 (900-901)	GISC15-25662
L-F0091/15/00902	A 439 (902-903)	GISC15-25663
L-F0091/15/00904	A 416 (904-905)	GISC15-25665
L-F0091/15/00907	A 411 (906-907)	GISC15-25668
L-F0091/15/00908	A 410 (908-909)	GISC15-25669
L-F0091/15/00910	A 407 (910-911)	GISC15-25671
L-F0092/15/00912	A 405 (912-913)	GISC15-25673
L-F0092/15/00915	A 404 (914-915)	GISC15-25676
L-F0092/15/00916	A 403 (916-917)	GISC15-25677
L-F0092/15/00919	FR 489 (918-924)	GISC15-25680
L-F0094/15/00937	FR 479 (931-937)	GISC15-25698
L-F0095/15/00941	FR 472 (938-944)	GISC15-25702
L-F0097/15/00961	FR 511 (955-961)	GISC15-25722
L-F0098/15/00973	FR 498 (967-973)	GISC15-25734
L-F0098/15/00980	FR 471 (980-986)	GISC15-25741
L-F0099/15/00987	FR 500 (987-993)	GISC15-25748
L-F0100/15/00995	FR 507 (994-995)	GISC15-25756
L-F0100/15/00996	FR 540 (996-997)	GISC15-25757
L-F0100/15/00998	FR 458 (998-999)	GISC15-25759
L-F0101/15/01001	FR 465 (1000-1001)	GISC15-25762
L-F0101/15/01002	FR 466 (1002-1003)	GISC15-25763

**GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENASA DE CV**EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO.
C. P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx

Número de acreditación No. SA-159-005/11

Vigencia de acreditación a partir de 2011-05-10

"Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005

Requisitos generales para la competencia de laboratorios de ensayo y calibración".

IDENTIFICACIÓN CLIENTE**CODIGO****CLAVE DE IDENTIFICACIÓN**

L-F0101/15/01004	FR 464 (1004-1005)	GISC15-25765
L-F0101/15/01006	FR 506 (1006-1007)	GISC15-25767
L-F0101/15/01008	FR 545 (1008-1009)	GISC15-25769
L-F0101/15/01010	FR 545 (1008-1009)	GISC15-25771
L-F0102/15/01012	FR 535 (1012-1013)	GISC15-25773
L-F0102/15/01014	FR 512 (1014-1015)	GISC15-25775
L-F0102/15/01016	FR-490 (1016-1017)	GISC15-25777
L-F0102/15/01018	FR 477 (1018-1019)	GISC15-25779
L-F0102/15/01020	FR 493 (1020-1021)	GISC15-25781
L-F0109/15/01090	BOS 10 (1084-1086,1090)	GISC15-25796
L-F0110/15/01091	BOS 12 (1088-89,1099)	GISC15-25797
L-F0110/15/01095	BOS 13 (1092-1095)	GISC15-25801
L-F0120/15/01197	VR 07 (1195-1197)	GISC15-25803
L-F0120/15/01198	COY 8 (1198,1199,1201)	GISC15-25857
L-F0120/15/01200	MEPH6 (1196-1200)	GISC15-25860
L-F0127/15/01264	A 443 (1263-1269)	GISC15-25820
L-F0128/15/01271	A 449 (12370-1277)	GISC15-25827
L-F0128/15/01279	A 460 (1278-1285)	GISC15-25835
L-F0129/15/01288	A 477 (1286-1293)	GISC15-25844
L-F0131/15/01302	A 484 (1301-1307,1309)	GISC15-25870
L-F0132/15/01311	A 486 (1308,1310-1316)	GISC15-25935
L-F0133/15/01327	A 501	GISC15-25951
L-F0136/15/01358	A 524	GISC15-25981
L-F0137/15/01362	A 527	GISC15-25985
L-F0137/15/01370	A 5	GISC15-25993
L-F0138/15/01378	A 534	GISC15-26001
L-F0139/15/01384	A 536 (1383-1390)	GISC15-26499
L-F0140/15/01399	A 563 T (1397-1404)	GISC15-26514
L-F0142/15/01412	A 564 (1405-1409,1411,1412)	GISC15-26526
L-F0142/15/01413	A1 S / Caja 1	GISC15-26539
L-F0142/15/01416	A3 S / Caja 1	GISC15-26542
L-F0142/15/01417	A6 S / Caja 1	GISC15-26543
L-F0143/15/01421	A10 S / Caja 1	GISC15-26547
L-F0143/15/01422	A11 S / Caja 1	GISC15-26548
L-F0143/15/01424	A14 S / Caja 1	GISC15-26550
L-F0143/15/01426	A15 S / Caja 1	GISC15-26552
L-F0143/15/01427	A17 S / Caja 1	GISC15-26553
L-F0143/15/01429	A19 S / Caja 1	GISC15-26555



GRUPO INTEGRAL DE SERVICIOS FITOSANITARIOS ENA S.A. DE C.V.

EMILIANO ZAPATA No. 10, SAN LUIS HUEXOTLA, TEXCOCO EDO. DE MEXICO.
C.P. 56250 TEL: 01(595) 928 41 78, 01(595) 931 39 60 y 01(595) 931 39 61
TEL/FAX: 01(595) 928 40 77 E-mail: gisena@prodigy.net.mx



Número de acreditación No. SA-159-005/11

Vigencia de acreditación a partir de 2011-05-10

*Acreditación otorgada bajo la norma NMX-EC-17025-IMNC-2006/ISO/IEC 17025:2005
Requisitos generales para la competencia de laboratorios de ensayo y calibración*.

IDENTIFICACIÓN CLIENTE

L-F0144/15/01432
L-F0144/15/01434
L-F0002/15/00011
L-F0002/15/00014
L-F0002/15/00015
L-F0002/15/00017
L-F0002/15/00019
L-F0009/15/00086
L-F0043/15/00421
L-F0062/15/00613

CODIGO

A20 S / Caja 1
A21 S / Caja 1
FR 70 (11-12)
FR 76 (13-14)
FR 78 (15-16)
FR 88 (17-18)
FR 93 (19-20)
A7 (79-80, 82-86)
A 240 (421-422)
A 285 (607-613)

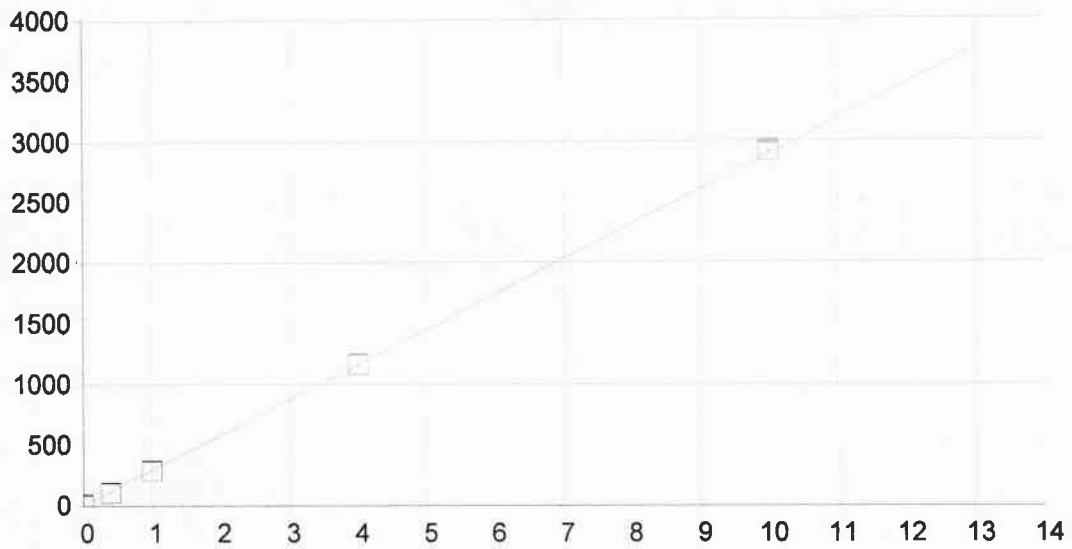
CLAVE DE IDENTIFICACIÓN

GISC15-26558
GISC15-26560
GISC15-23716
GISC15-23719
GISC15-23720
GISC15-23722
GISC15-23724
GISC15-23791
GISC15-24201
GISC15-24343

REVISÓ

Q.F.B. Leticia Velazquez Méndez

Gerente Técnico

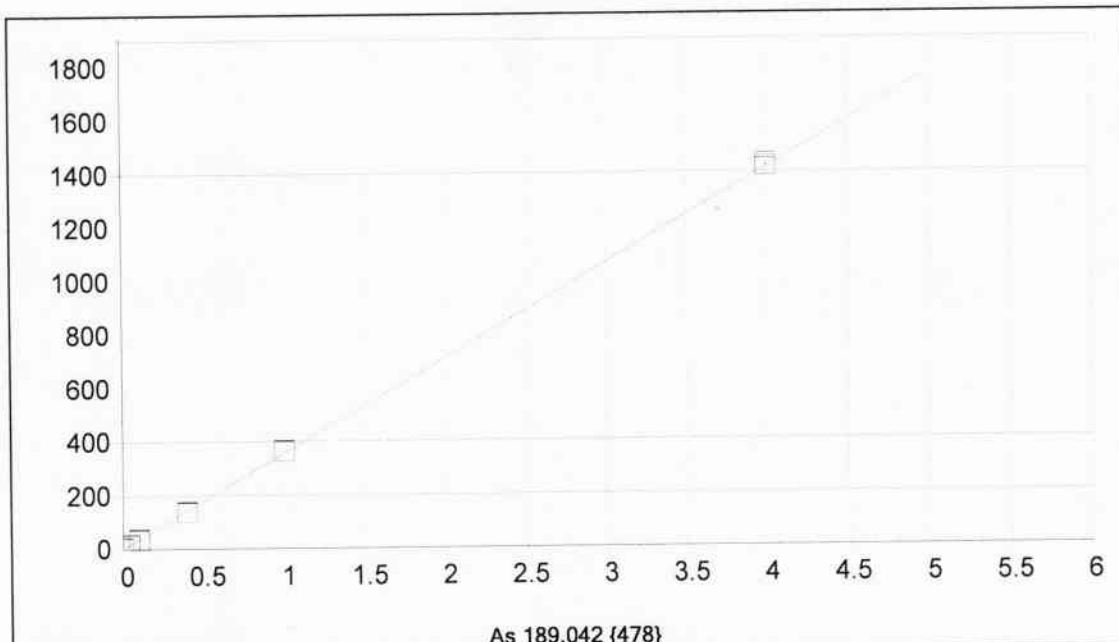


AI 396.152 { 85}

Fecha de la 20/01/2016 11:09:37 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 7.389503 Reajustar P 1.000000
 A1 (Ganancia) 288.251081 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999681 Estatus: OK.
 Error Estándar de Est: 0.736672
 MDL: 0.028572
 MQL: 0.095241

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00007	.000	.000	7.4083	6.42	1
STD 5	.40000	.34238	-.058	-14.4	106.08	2.33	1
STD 6	1.0000	.96988	-.030	-3.01	286.96	2.55	1
STD 7	4.0000	4.0139	.014	.348	1164.4	1.24	1
STD 8	10.000	10.074	.074	.738	2911.2	15.0	1

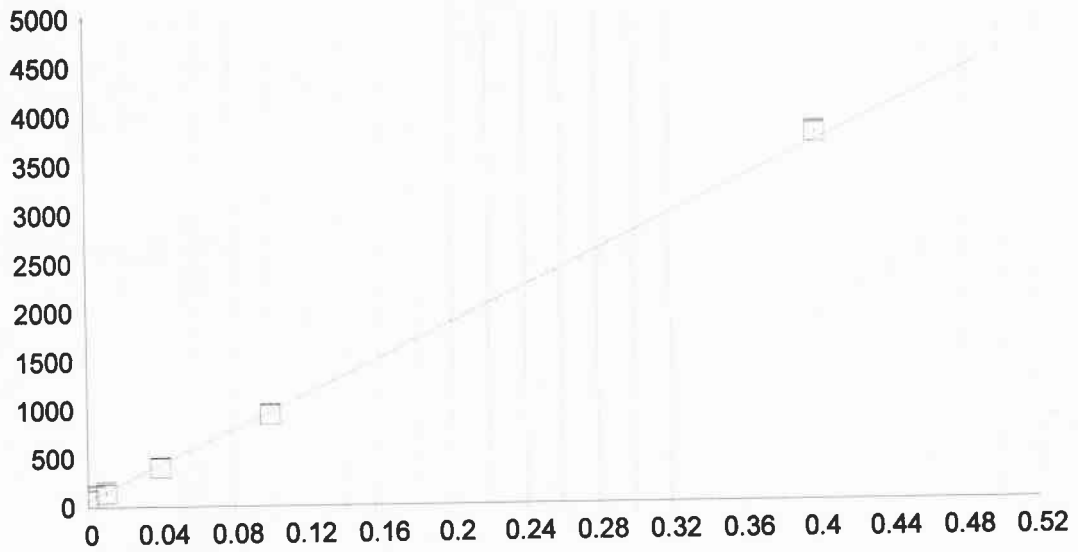


As 189.042 {478}

Fecha de la 20/01/2016 11:09:37 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 2.834070 Reajustar P 1.000000
 A1 (Ganancia) 353.315078 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999714 Estatus: OK.
 Error Estándar de Est: 0.153876
 MDL: 0.002500
 MQL: 0.008334

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00001	.000	.000	2.8379	.343	1
STD 4	.10000	.09161	-.008	-8.39	35.203	.820	1
STD 5	.40000	.38018	-.020	-4.96	137.16	1.75	1
STD 6	1.0000	1.0204	.020	2.04	363.36	1.37	1
STD 7	4.0000	4.0142	.014	.354	1421.1	9.81	1
STD 3	.04000	.03364	-.006	-15.9	14.720	.689	1

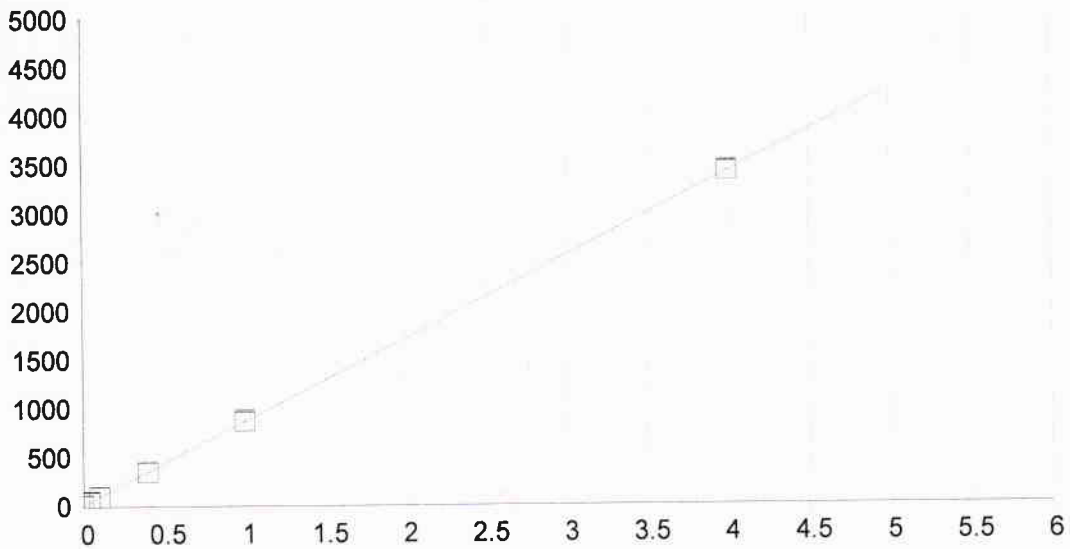


Cd 226.502 (449)

Fecha de la 20/01/2016 11:09:37 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 70.858269 Reajustar P 1.000000
 A1 (Ganancia) 9043.769523 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999098 Estatus: OK.
 Error Estándar de Est: 0.735698
 MDL: 0.000155
 MQL: 0.000517

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	70.869	2.45	1
STD 1	.00400	.00505	.001	26.2	116.50	6.58	0
STD 2	.01000	.00817	-.002	-18.3	144.76	13.7	1
STD 3	.04000	.03640	-.004	-8.99	400.08	3.34	1
STD 4	.10000	.09639	-.004	-3.61	942.55	8.33	1
STD 5	.40000	.40904	.009	2.26	3770.1	12.9	1

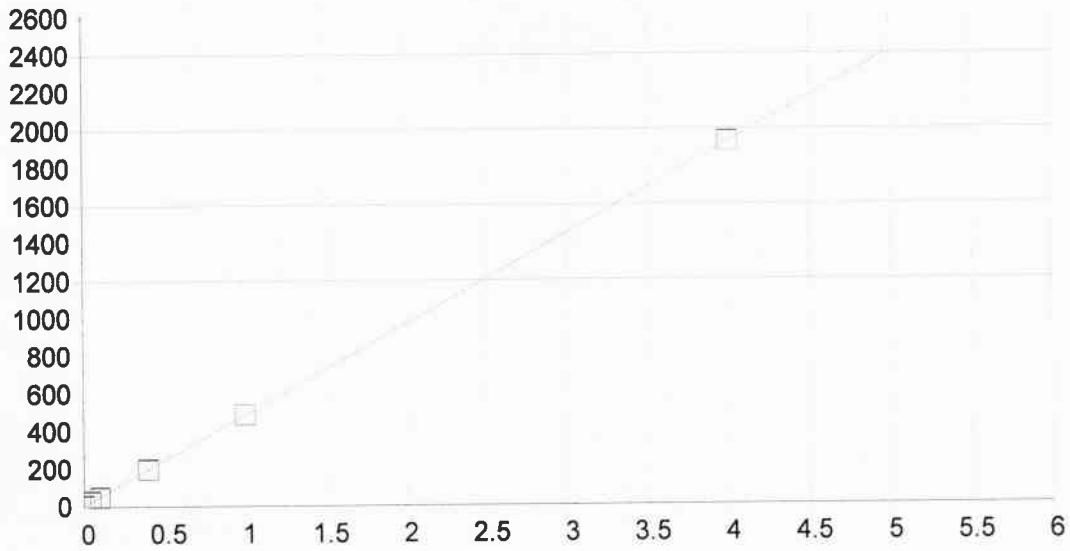


Cu 324.754 {104}

Fecha de la 20/01/2016 11:09:37 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 15.202765 Reajustar P 1.000000
 A1 (Ganancia) 852.234730 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999986 Estatus: OK.
 Error Estándar de Est: 0.083280
 MDL: 0.005228
 MQL: 0.017427

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	15.205	2.21	1
STD 5	.40000	.39519	-.005	-1.20	352.00	1.65	1
STD 6	1.0000	1.0053	.005	.530	871.95	10.5	1
STD 7	4.0000	4.0027	.003	.067	3426.4	8.57	1
STD 3	.04000	.03903	-.001	-2.43	48.465	3.85	1
STD 4	.10000	.09781	-.002	-2.19	98.558	2.20	1

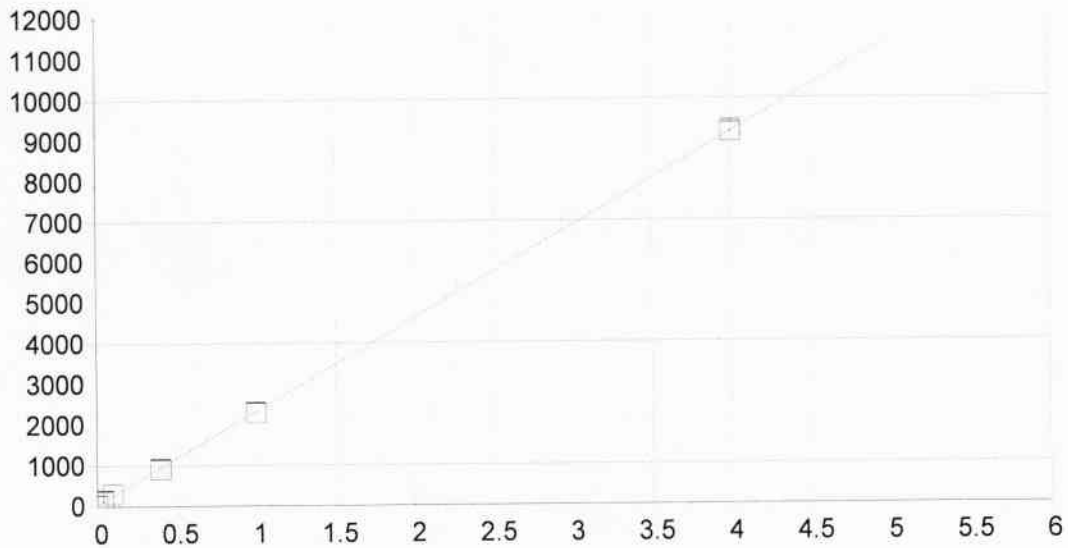


Fe 259.940 (130)

Fecha de la 20/01/2016 11:09:37 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 5.258806 Reajustar P 1.000000
 A1 (Ganancia) 481.612862 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999850 Estatus: OK.
 Error Estándar de Est: 0.152137
 MDL: 0.004356
 MQL: 0.014520

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	5.2583	1.41	1
STD 5	.40000	.39845	-.002	-.388	197.16	3.11	1
STD 6	1.0000	1.0035	.003	.348	488.55	.523	1
STD 3	.04000	.04500	.005	12.5	26.933	1.97	1
STD 4	.10000	.08991	-.010	-10.1	48.558	1.64	1
STD 7	4.0000	4.0032	.003	.079	1933.2	.538	1

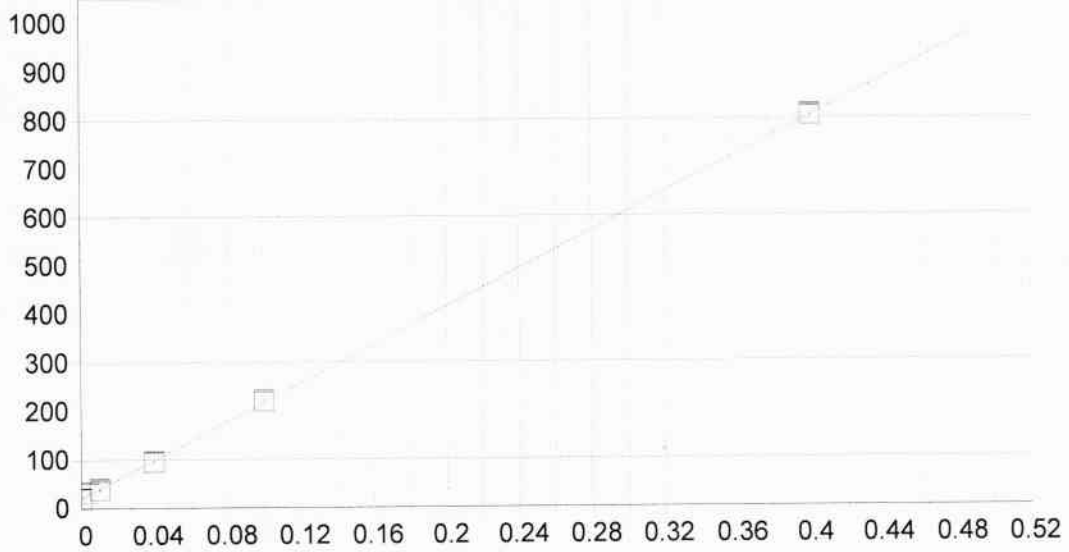


Mn 257.610 {131}

Fecha de la 20/01/2016 11:09:37 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 30.799516 Reajustar P 1.000000
 A1 (Ganancia) 2286.719810 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999459 Estatus: OK.
 Error Estándar de Est: 1.370205
 MDL: 0.001042
 MQL: 0.003474

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00001	-.000	.000	30.770	5.09	1
STD 5	.40000	.38413	-.016	-3.97	909.21	9.62	1
STD 6	1.0000	.98903	-.011	-1.10	2292.4	13.8	1
STD 3	.04000	.04688	.007	17.2	138.00	10.0	1
STD 4	.10000	.12014	.020	20.1	305.53	2.36	1
STD 7	4.0000	3.9998	-.000	-.005	9177.2	36.2	1

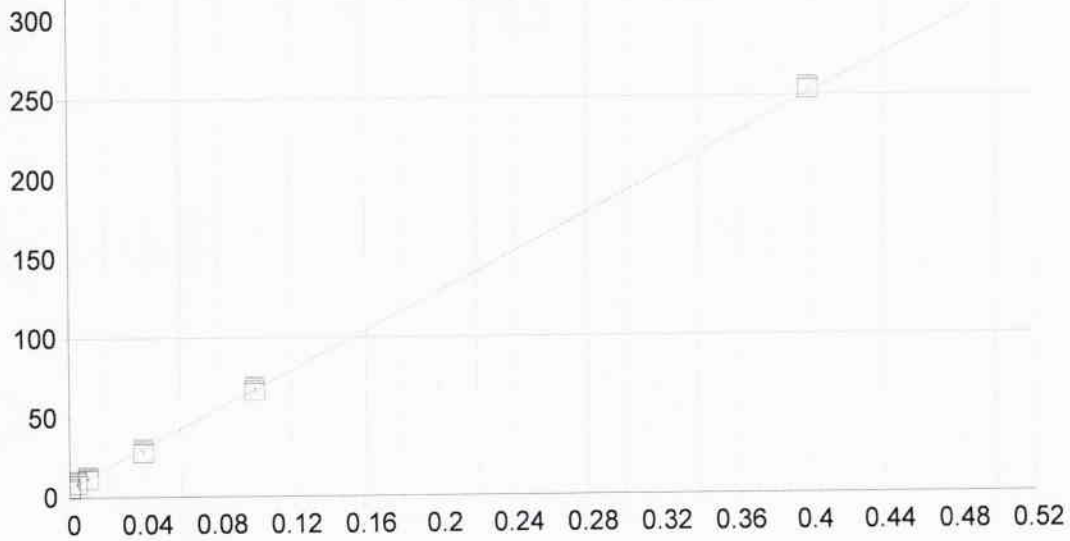


Ni 231.604 (446)

Fecha de la 20/01/2016 11:09:37 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 19.814677 Reajustar P 1.000000
 A1 (Ganancia) 1965.403841 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999818 Estatus: OK.
 Error Estándar de Est: 0.071772
 MDL: 0.000636
 MQL: 0.002122

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	19.816	1.21	1
STD 1	.00400	.00608	.002	52.0	31.762	1.64	0
STD 2	.01000	.00904	-.001	-9.55	37.592	3.49	1
STD 3	.04000	.03842	-.002	-3.96	95.321	1.28	1
STD 4	.10000	.10214	.002	2.14	220.57	2.44	1
STD 5	.40000	.40040	.000	.099	806.75	2.51	1

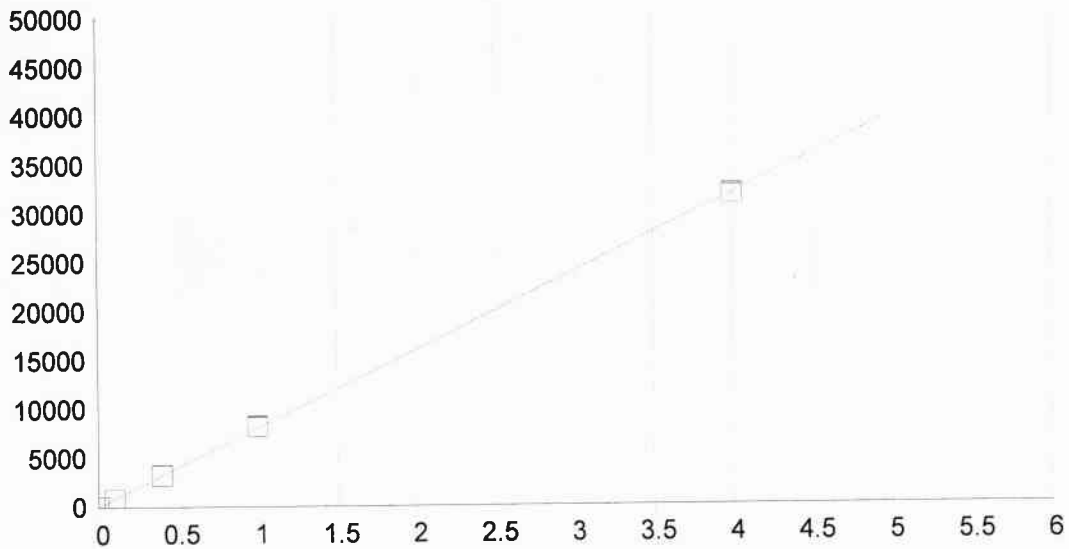


Pb 220.353 {453}

Fecha de la 20/01/2016 11:09:37 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 5.784076 Reajustar P 1.000000
 A1 (Ganancia) 614.059095 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999622 Estatus: OK.
 Error Estándar de Est: 0.030775
 MDL: 0.001932
 MQL: 0.006439

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	5.7842	1.36	1
STD 1	.00400	.00444	.000	11.0	8.5112	1.41	1
STD 2	.01000	.00924	-.001	-7.64	11.455	1.01	1
STD 3	.04000	.03677	-.003	-8.06	28.366	1.32	1
STD 4	.10000	.09924	-.001	-.757	66.725	1.87	1
STD 5	.40000	.40431	.004	1.08	254.05	1.01	1

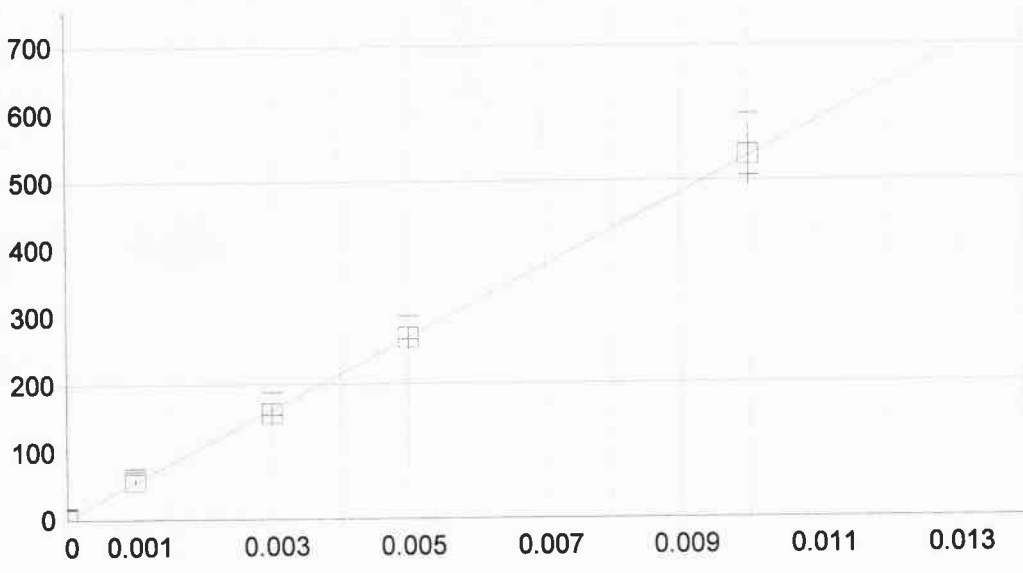


Zn 213.856 (458)

Fecha de la 20/01/2016 11:09:37 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 62.293685 Reajustar P 1.000000
 A1 (Ganancia) 7960.432786 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999937 Estatus: OK.
 Error Estándar de Est: 2.704901
 MDL: 0.000144
 MQL: 0.000479

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	.00000	.000	.000	62.304	2.49	1
STD 4	.10000	.09706	-.003	-2.94	834.97	4.77	1
STD 5	.40000	.39953	-.000	-.117	3242.7	14.6	1
STD 6	1.0000	1.0227	.023	2.27	8203.2	39.8	1
STD 7	4.0000	3.9807	-.019	-.482	31751.	155.	1



Hg 194.227 {474}

Fecha de la 22/01/2016 17:11:31 Tipo de unió Lineal Ponderación: 1/Conc

A0 (Compensación): 1.584009 Reajustar P 1.000000
 A1 (Ganancia) 53342.14711 Y-int: 0.000000
 A2 (Curvatura): 0.000000
 n (Exponente): 1.000000
 Correlación: 0.999854 Estatus: OK.
 Error Estándar de Est: 0.162185
 MDL: 0.000027
 MQL: 0.000091

Nombre Est.	Conc. Establecida	Conc. Encontrada	Diferencia	% Dif.	(S)IR:	Desv. Est.	Énfasis
Blanco	.00000	-.00000	-.000	.000	1.5826	1.18	1
STD 1	.00100	.00105	.000	5.26	57.729	3.97	1
STD 2	.00300	.00291	-.000	-2.95	156.89	16.5	1
STD 3	.00500	.00499	-.000	-.120	267.97	17.4	1
STD 4	.01000	.01004	.000	.419	537.24	46.3	1



Análisis: **METALES PESADOS POR ICP-OES**
 Lote analítico: **DMP-SANGRE-160120**
 Fecha de Análisis: **20/01/2016**
 Fecha de Reporte: **20/01/2016**

CONCENTRACIONES DE LAS CURVAS DE CALIBRACION.

DESCRIPCIÓN	CONCENTRACION mg/L									
	Al	As	Cd	Cu	Fe	Mn	Ni	Pb	Zn	Hg
NIVEL 1			0.004				0.004	0.004		0.0010
NIVEL 2			0.010				0.010	0.010		0.0030
NIVEL 3		0.040	0.040	0.040	0.040	0.040	0.040	0.040		0.0050
NIVEL 4		0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.0100
NIVEL 5	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	
NIVEL 6	1.000	1.000		1.000	1.000	1.000			1.000	
NIVEL 7	4.000	4.000		4.000	4.000	4.000			4.000	
NIVEL 8	10.000									
NIVEL 9										
Correlación	0.9996	0.9997	0.9990	0.9999	0.9998	0.9994	0.9998	0.9996	0.9999	0.9998

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No.1	Identificación	Analito	Concentración mg/l		% Recobro ²	No.1	Identificación	Analito	Concentración mg/l		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
10	QC:QC	Aluminio	0.4000	0.3484	87	43	QC:QC	Aluminio	0.4000	0.3593	90
		Arsénico	0.4000	0.3583	90			Arsénico	0.4000	0.3629	91
		Cadmio	0.4000	0.4265	107			Cadmio	0.4000	0.4618	115
		Cobre	0.4000	0.4009	100			Cobre	0.4000	0.4109	103
		Fierro	0.4000	0.3819	95			Fierro	0.4000	0.3673	92
		Manganeso	0.4000	0.3845	96			Manganeso	0.4000	0.3895	97
		Níquel	0.4000	0.4170	104			Níquel	0.4000	0.4514	113
		Plomo	0.4000	0.4047	101			Plomo	0.4000	0.4130	103
		Zinc	0.4000	0.3940	99			Zinc	0.4000	0.3926	98
21	QC:QC	Aluminio	0.4000	0.3563	89	55	QC:QC	Aluminio	0.4000	0.3731	93
		Arsénico	0.4000	0.3644	91			Arsénico	0.4000	0.3590	90
		Cadmio	0.4000	0.4674	117			Cadmio	0.4000	0.4597	115
		Cobre	0.4000	0.4143	104			Cobre	0.4000	0.4089	102
		Fierro	0.4000	0.3744	94			Fierro	0.4000	0.3668	92
		Manganeso	0.4000	0.3978	99			Manganeso	0.4000	0.3903	98
		Níquel	0.4000	0.4591	115			Níquel	0.4000	0.4498	112
		Plomo	0.4000	0.4209	105			Plomo	0.4000	0.4108	103
Zinc	0.4000	0.3981	100	Zinc	0.4000	0.3898	97				
32	QC:QC	Aluminio	0.4000	0.3349	84	66	QC:QC	Aluminio	0.4000	0.3403	85
		Arsénico	0.4000	0.3668	92			Arsénico	0.4000	0.3612	90
		Cadmio	0.4000	0.4613	115			Cadmio	0.4000	0.4591	115
		Cobre	0.4000	0.4138	103			Cobre	0.4000	0.4004	100
		Fierro	0.4000	0.3726	93			Fierro	0.4000	0.3651	91
		Manganeso	0.4000	0.3955	99			Manganeso	0.4000	0.3860	97
		Níquel	0.4000	0.4520	113			Níquel	0.4000	0.4489	112
		Plomo	0.4000	0.4119	103			Plomo	0.4000	0.4107	103
Zinc	0.4000	0.3931	98	Zinc	0.4000	0.3897	97				



Análisis:
 Lote analítico:
 Fecha de Análisis:
 Fecha de Reporte:

METALES PESADOS POR ICP-OES
 DMP-SANGRE-160120
 20/01/2016
 20/01/2016

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No.¹	Identificación	Analito	Concentración mg/l		% Recobro²	No.¹	Identificación	Analito	Concentración mg/l		% Recobro²
			Teórica	Práctica					Teórica	Práctica	
77	QC:QC	Aluminio	0.4000	0.3453	86	107.4	QC:QC	Aluminio	0.4000	0.4167	104
		Arsénico	0.4000	0.3636	91			Arsénico	0.4000	0.4082	102
		Cadmio	0.4000	0.4663	117			Cadmio	0.4000	0.3985	100
		Cobre	0.4000	0.4070	102			Cobre	0.4000	0.4216	105
		Fierro	0.4000	0.3779	94			Fierro	0.4000	0.4146	104
		Manganeso	0.4000	0.3903	98			Manganeso	0.4000	0.4214	105
		Níquel	0.4000	0.4564	114			Níquel	0.4000	0.3955	99
		Plomo	0.4000	0.4149	104			Plomo	0.4000	0.3926	98
		Zinc	0.4000	0.3986	100			Zinc	0.4000	0.4023	101
88	QC:QC	Aluminio	0.4000	0.3544	89	118	QC:QC	Aluminio	0.4000	0.3462	87
		Arsénico	0.4000	0.3605	90			Arsénico	0.4000	0.3516	88
		Cadmio	0.4000	0.4626	116			Cadmio	0.4000	0.4537	113
		Cobre	0.4000	0.3974	99			Cobre	0.4000	0.3965	99
		Fierro	0.4000	0.3666	92			Fierro	0.4000	0.3568	89
		Manganeso	0.4000	0.3827	96			Manganeso	0.4000	0.3760	94
		Níquel	0.4000	0.4502	113			Níquel	0.4000	0.4415	110
		Plomo	0.4000	0.4132	103			Plomo	0.4000	0.4021	101
		Zinc	0.4000	0.3953	99			Zinc	0.4000	0.3861	97
99	QC:QC	Aluminio	0.4000	0.3559	89	129	QC:QC	Aluminio	0.4000	0.4167	104
		Arsénico	0.4000	0.3545	89			Arsénico	0.4000	0.4082	102
		Cadmio	0.4000	0.4542	114			Cadmio	0.4000	0.3985	100
		Cobre	0.4000	0.3957	99			Cobre	0.4000	0.4216	105
		Fierro	0.4000	0.3576	89			Fierro	0.4000	0.4146	104
		Manganeso	0.4000	0.3799	95			Manganeso	0.4000	0.4214	105
		Níquel	0.4000	0.4430	111			Níquel	0.4000	0.3955	99
		Plomo	0.4000	0.4059	101			Plomo	0.4000	0.3926	98
		Zinc	0.4000	0.3889	97			Zinc	0.4000	0.4023	101
6	QC: PatrónQC	Mercurio	0.005	0.0055	110						
17	QC: PatrónQC	Mercurio	0.0050	0.0047	94						
28	QC: PatrónQC	Mercurio	0.0050	0.005	100						
39	QC: PatrónQC	Mercurio	0.0050	0.005	100						
50	QC: PatrónQC	Mercurio	0.0050	0.005	100						
61	QC: PatrónQC	Mercurio	0.0050	0.0051	102						
72	QC: PatrónQC	Mercurio	0.0050	0.0051	102						
83	QC: PatrónQC	Mercurio	0.0050	0.0052	104						
94	QC: PatrónQC	Mercurio	0.0050	0.005	100						
105	QC: PatrónQC	Mercurio	0.0050	0.0048	96						
115	QC: PatrónQC	Mercurio	0.0050	0.005	100						
128	QC: PatrónQC	Mercurio	0.0050	0.0047	94						

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)



Análisis:
 Lote analítico:
 Fecha de Análisis:
 Fecha de Reporte:

METALES PESADOS POR ICP-OES
 DMP-SANGRE-160120
 20/01/2016
 20/01/2016

EVALUACIÓN DE LAS MUESTRAS DE CONTROL DE CALIDAD

No. ¹	Identificación	Analito	Concentración mg/Kg		% Recobro ²	No. ¹	Identificación	Analito	Concentración mg/Kg		% Recobro ²
			Teórica	Práctica					Teórica	Práctica	
12	Recuperación	Aluminio	40.0000	34.1300	85						
		Arsénico	40.0000	35.9000	90						
		Cadmio	40.0000	43.7100	109						
		Cobre	40.0000	39.5400	99						
		Hierro	40.0000	36.9500	92						
		Manganeso	40.0000	38.3100	96						
		Níquel	40.0000	42.8300	107						
		Plomo	40.0000	40.7600	102						
		Zinc	40.0000	39.0600	98						
8	Recuperación	Mercurio	0.5	0.5020	100						

¹ NÚMERO EN LA HOJA DE RESULTADOS EMITIDA POR EL EQUIPO ICP-OES

² REFERENCIA: GUIAS TÉCNICA DE TRAZABILIDAD E INCERTIDUMBRE, CENAM-ema, NOV.2012, PARA % DE RECOBRO (80-120%)

I. B. I. Gaudencio Vargas Espejel

I.B.I. Gaudencio Vargas Espejel

ELABORÓ

Q.F.B. Leticia Velázquez Méndez

Q.F.B. Leticia Velázquez Méndez

REWSÓ

PACE/GIS/102-F01

Hoja de Trabajo -Metales y Metaloides-

Clave	Matriz	Código	Fecha de Recepción	Peso (g)		
				Inicial	Final	Cantidad
GISC15-24440	Sangre	FR 450 (711-716,808)	20/11/2015	1.4237	1.2726	0.1511
GISC15-24452	Sangre	FR 433 (723-724)	20/11/2015	1.4295	1.2717	0.1578
GISC15-24455	Sangre	FR 436 (725-726)	20/11/2015	1.5357	1.2669	0.2688
GISC15-24456	Sangre	FR 437 (727-728)	20/11/2015	1.4791	1.3201	0.1590
GISC15-24458	Sangre	FR 438 (729-730)	20/11/2015	1.4176	1.2640	0.1536
GISC15-24460	Sangre	FR 439 (731-732)	20/11/2015	1.3691	1.2791	0.0900
GISC15-24462	Sangre	FR 441 (733-734)	20/11/2015	1.4455	1.2885	0.1570
GISC15-24464	Sangre	FR 447 (735-736)	20/11/2015	1.3748	1.2825	0.0923
GISC15-24466	Sangre	FR 448 (737-738)	20/11/2015	1.4096	1.2670	0.1426
GISC15-24468	Sangre	FR 449 (739-740)	20/11/2015	1.3451	1.2556	0.0895
GISC15-24470	Sangre	FR 452 (741-742)	20/11/2015	1.5257	1.2571	0.2686
GISC15-24473	Sangre	FR 455 (743-744)	20/11/2015	1.4045	1.2572	0.1473
GISC15-24475	Sangre	FR 451 (745-746)	20/11/2015	1.9706	1.2844	0.6862
GISC15-24476	Sangre	FR 454 (747-748)	20/11/2015	1.4656	1.2728	0.1928
GISC15-24489	Sangre	A 330 (777-782,807)	20/11/2015	2.1273	1.2793	0.848
GISC15-25118	Sangre	A 326 (783-789)	20/11/2015	1.3674	1.2735	0.0939
GISC15-25125	Sangre	A 325 (790-796)	20/11/2015	1.4356	1.2968	0.1388
GISC15-25132	Sangre	A 328 (797-803)	20/11/2015	1.4697	1.2846	0.1851
GISC15-25141	Sangre	A 329 (804-806,809-8)	20/11/2015	1.3449	1.2749	0.0700
GISC15-25153	Sangre	A 331 (816-825)	20/11/2015	1.4816	1.2715	0.2101
GISC15-25160	Sangre	A 348 (826-831)	20/11/2015	1.5564	1.3196	0.2368
GISC15-25161	Sangre	A 323 (832-833)	20/11/2015	1.3693	1.3165	0.0528
GISC15-25163	Sangre	A 327 (834,835)	20/11/2015	1.4374	1.2516	0.1858
GISC15-25167	Sangre	A 322 (836,838)	20/11/2015	1.4820	1.2856	0.1964
GISC15-25169	Sangre	A 333 (837,840)	20/11/2015	1.3441	1.2662	0.0779
GISC15-25170	Sangre	A 335 (839,841)	20/11/2015	1.3656	1.2741	0.0915
GISC15-25172	Sangre	A 336 (842,843)	20/11/2015	1.4494	1.2723	0.1771
GISC15-25174	Sangre	A 341 (844,845)	20/11/2015	1.4293	1.2732	0.1561
GISC15-25175	Sangre	A 344 (846,847)	20/11/2015	1.3927	1.2820	0.1107
GISC15-25180	Sangre	A 419 (850-856)	20/11/2015	1.4160	1.2876	0.1284

A Gaudencio M E

I.B.I Gaudencio Vargas Espejel



Q.F.B. Leticia Velazquez Méndez

Hoja de Trabajo -Metales y Metaloides-

Clave	Matriz	Código	Fecha de Recepción	Peso (g)		Cantidad
				Inicial	Final	
GISC15-25187	Sangre	A 409 (857-863)	20/11/2015	1.4040	1.2560	0.1480
GISC15-25193	Sangre	A 402 (864-870)	20/11/2015	1.3814	1.2811	0.1003
GISC15-25203	Sangre	A 417 (871-877)	20/11/2015	1.3219	1.2723	0.0496
GISC15-25209	Sangre	A 413 (878-884)	20/11/2015	1.4301	1.2791	0.1510
GISC15-25217	Sangre	A 423 (885-891)	20/11/2015	1.4860	1.2835	0.2025
GISC15-25224	Sangre	A 420 (892-893)	20/11/2015	1.4007	1.2722	0.1285
GISC15-25226	Sangre	A 421 (894-895)	20/11/2015	1.3688	1.2359	0.0929
GISC15-25228	Sangre	A 424 (896-897)	20/11/2015	2.3383	1.2656	1.0727
GISC15-25230	Sangre	A 425 (898-899)	20/11/2015	1.4648	1.2776	0.1872
GISC15-25662	Sangre	A 427 (900-901)	20/11/2015	1.4062	1.2757	0.1305
GISC15-25663	Sangre	A 439 (902-903)	20/11/2015	1.3649	1.2762	0.0887
GISC15-25665	Sangre	A 416 (904-905)	20/11/2015	1.4338	1.2635	0.1703
GISC15-25668	Sangre	A 411 (906-907)	20/11/2015	1.3801	1.2958	0.0843
GISC15-25669	Sangre	A 410 (908-909)	20/11/2015	1.3679	1.2791	0.0888
GISC15-25671	Sangre	A 407 (910-911)	20/11/2015	1.4859	1.3242	0.1617
GISC15-25673	Sangre	A 405 (912-913)	20/11/2015	1.4186	1.2490	0.1696
GISC15-25676	Sangre	A 404 (914-915)	20/11/2015	1.4767	1.2728	0.2039
GISC15-25677	Sangre	A 403 (916-917)	20/11/2015	1.3619	1.2881	0.0738
GISC15-25680	Sangre	FR 489 (918-924)	20/11/2015	1.6974	1.2799	0.4175
GISC15-25698	Sangre	FR 479 (931-937)	20/11/2015	1.2686	1.2439	0.0247

I. B. I. Gaudencio Vargas Espejel

I.B.I Gaudencio Vargas Espejel

Leticia Velazquez Méndez

Q.F.B. Leticia Velazquez Méndez



Residuos Tóxicos

Hoja de Trabajo -Metales y Metaloides-

Clave	Matriz	Código	Fecha de Recepción	Peso (g)		Cantidad
				Inicial	Final	
GISC15-25702	Sangre	FR 472 (938-944)	20/11/2015	1.4401	1.2805	0.1596
GISC15-25722	Sangre	FR 511 (955-961)	20/11/2015	1.4242	1.2515	0.1727
GISC15-25734	Sangre	FR 498 (967-973)	20/11/2015	1.4728	1.2725	0.2003
GISC15-25741	Sangre	FR 471 (980-986)	20/11/2015	1.5824	1.2921	0.2903
GISC15-25748	Sangre	FR 500 (987-993)	20/11/2015	1.6848	1.3225	0.3623
GISC15-25756	Sangre	FR 507 (994-995)	20/11/2015	1.7768	1.2816	0.4952
GISC15-25757	Sangre	FR 540 (996-997)	20/11/2015	1.9738	1.2659	0.6779
GISC15-25759	Sangre	FR 458 (998-999)	20/11/2015	1.5682	1.2728	0.2954
GISC15-25762	Sangre	FR 465 (1000-1001)	20/11/2015	1.5680	1.2709	0.2971
GISC15-25763	Sangre	FR 466 (1002-1003)	20/11/2015	1.5233	1.2728	0.2505
GISC15-25765	Sangre	FR 464 (1004-1005)	20/11/2015	1.5054	1.2681	0.2373
GISC15-25767	Sangre	FR 506 (1006-1007)	20/11/2015	1.5351	1.2741	0.2610
GISC15-25769	Sangre	FR 545 (1008-1009)	20/11/2015	1.8839	1.2749	0.6090
GISC15-25771	Sangre	FR 545 (1008-1009)	20/11/2015	1.4261	1.2786	0.1475
GISC15-25773	Sangre	FR 535 (1012-1013)	20/11/2015	1.5323	1.2776	0.2547
GISC15-25775	Sangre	FR 512 (1014-1015)	20/11/2015	1.5502	1.3269	0.2233
GISC15-25777	Sangre	FR 490 (1016-1017)	20/11/2015	1.4980	1.2828	0.1652
GISC15-25779	Sangre	FR 477 (1018-1019)	20/11/2015	1.4525	1.2550	0.1975
GISC15-25781	Sangre	FR 493 (1020-1021)	20/11/2015	1.4087	1.2839	0.1248
GISC15-25796	Sangre	BOS 10 (1084-1086,1090)	20/11/2015	—	—	0.5002
GISC15-25797	Sangre	BOS 12 (1088-89,1099)	20/11/2015	—	—	0.5035
GISC15-25801	Sangre	BOS 13 (1092-1095)	20/11/2015	—	—	0.5100
GISC15-25803	Sangre	VR 07 (1195-1197)	20/11/2015	2.7321	1.8586	0.8735
GISC15-25857	Sangre	COY 8 (1198,1199,1201)	20/11/2015	1.7339	1.2128	0.5011
GISC15-25860	Sangre	MEPH6 (1196-1200)	20/11/2015	1.7339	1.2155	0.5184
GISC15-25820	Sangre	A 443 (1263-1269)	20/11/2015	1.4296	1.2117	0.2179
GISC15-25827	Sangre	A 449 (12370-1277)	20/11/2015	1.3051	1.2175	0.0876
GISC15-25835	Sangre	A 460 (1278-1285)	20/11/2015	1.4344	1.2166	0.2178
GISC15-25844	Sangre	A 477 (1286-1293)	20/11/2015	1.4811	1.2181	0.2630
GISC15-25870	Sangre	A 484 (1301-1307,1309)	20/11/2015	1.4486	1.2173	0.2313

I.B.I Gaudencio Vargas Espejel

I.B.I Gaudencio Vargas Espejel

Leticia Velazquez Méndez

Q.F.B. Leticia Velazquez Méndez



Residuos Tóxicos

Hoja de Trabajo -Metales y Metaloides-

Clave	Matriz	Código	Fecha de Recepción	Peso (g)		Cantidad
				Inicial	Final	
GISC15-25935	Sangre	A 486 (1308,1310-1316)	20/11/2015	1.5267	1.2126	0.3171
GISC15-25951	Sangre	A 501	20/11/2015	1.3030	1.2101	0.00829
GISC15-25981	Sangre	A 524	20/11/2015	1.8630	1.2166	0.6464
GISC15-25985	Sangre	A 527	20/11/2015	2.1101	1.2194	0.8907
GISC15-25993	Sangre	A 5	20/11/2015	1.4271	1.2180	0.2111
GISC15-26001	Sangre	A 534	20/11/2015	1.2867	1.2122	0.0745
GISC15-26499	Sangre	A 536 (1383-1390)	20/11/2015	1.3139	1.2167	0.0972
GISC15-26514	Sangre	A 563 T (1397-1404)	20/11/2015	1.3768	1.2101	0.1667
GISC15-26526	Sangre	A 564 (1405-1409,1411,1	20/11/2015	1.6454	1.2129	0.4330
GISC15-26539	Sangre	A1 S / Caja 1	20/11/2015	1.2685	1.2183	0.0502
GISC15-26542	Sangre	A3 S / Caja 1	20/11/2015	1.2374	1.2213	0.0161
GISC15-26543	Sangre	A6 S / Caja 1	20/11/2015	1.2932	1.2235	0.0698
GISC15-26547	Sangre	A10 S / Caja 1	20/11/2015	1.4008	1.2185	0.6823
GISC15-26548	Sangre	A11 S / Caja 1	20/11/2015	1.3685	1.2102	0.1583
GISC15-26550	Sangre	A14 S / Caja 1	20/11/2015	1.2363	1.2231	0.0132
GISC15-26552	Sangre	A15 S / Caja 1	20/11/2015	1.3042	1.2121	0.0921
GISC15-26553	Sangre	A17 S / Caja 1	20/11/2015	1.3067	1.2202	0.0865
GISC15-26555	Sangre	A19 S / Caja 1	20/11/2015	1.3993	1.2198	0.1845
GISC15-26558	Sangre	A20 S / Caja 1	20/11/2015	1.2820	1.2060	0.0760
GISC15-26560	Sangre	A21 S / Caja 1	20/11/2015	1.3070	1.2121	0.0949

I.B.I Gaudencio Vargas Espejel

I.B.I Gaudencio Vargas Espejel

Leticia Velazquez Méndez

Q.F.B. Leticia Velazquez Méndez



Residuos Tóxicos

Hoja de Trabajo -Metales y Metaloides-

Clave	Matriz	Código	Fecha de Recepción	Peso (g)		Cantidad
				Inicial	Final	
GISC15-23716	Sangre	FR 70 (11-12)	20/11/2015	1.3850	1.2932	0.1018
GISC15-23719	Sangre	FR 76 (13-14)	20/11/2015	1.4626	1.2641	0.1985
GISC15-23720	Sangre	FR 78 (15-16)	20/11/2015	1.4194	1.3098	0.1206
GISC15-23722	Sangre	FR 88 (17-18)	20/11/2015	1.5205	1.3350	0.1855
GISC15-23724	Sangre	FR 93 (19-20)	20/11/2015	1.4920	1.3341	0.1579
GISC15-23791	Sangre	A 7 (79-80,82-86)	20/11/2015	1.3980	1.2988	0.1092
GISC15-24201	Sangre	A 240 (421-422)	20/11/2015	1.9345	1.3392	0.0953
GISC15-24343	Sangre	A 285 (606-613)	20/11/2015	1.4230	1.2859	0.1371

I.B.I. Gaudencio Vargas Espejel

I.B.I Gaudencio Vargas Espejel

Q.F.B. Leticia Velazquez Méndez

Q.F.B. Leticia Velazquez Méndez

1	Cal: Blanco 20/01/2016 10:34:24 IR D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 {85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	
Media	7.408	2.838	70.87	15.20	5.258	30.77	19.82	5.784	62.30	
Desv. Est.	6.419	.343	2.45	2.21	1.413	5.09	1.21	1.359	2.50	
% RSD	86.64	12.08	3.459	14.53	26.86	16.53	6.088	23.50	4.004	
Rep #1	2.725	2.445	73.44	16.77	5.250	34.03	21.05	4.799	64.81	
Rep #2	14.72	3.079	68.55	12.68	3.850	24.91	18.64	5.219	59.82	
Rep #3	4.775	2.990	70.62	16.16	6.675	33.37	19.75	7.335	62.27	
2	Cal: STD 1 20/01/2016 10:36:50 IR D MP-160120:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	116.5	31.76	8.511							
Desv. Est.	6.6	1.64	1.410							
% RSD	5.645	5.173	16.57							
Rep #1	117.5	32.18	9.523							
Rep #2	109.5	29.95	6.900							
Rep #3	122.5	33.16	9.111							
3	Cal: STD 2 20/01/2016 10:39:41 IR D MP-160120:									
	Cd2265	Ni2316	Pb2203							
Línea	226.502 {44	231.604 {44	220.353 {45							
Unidades	Cts/s	Cts/s	Cts/s							
Media	144.8	37.59	11.46							
Desv. Est.	13.7	3.49	1.01							
% RSD	9.455	9.294	8.787							
Rep #1	159.1	41.20	12.60							
Rep #2	131.8	34.23	10.70							
Rep #3	143.4	37.35	11.06							
4	Cal: STD 3 20/01/2016 10:42:06 IR D MP-160120:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203			
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45			
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s			
Media	14.72	400.1	48.47	26.93	138.0	95.32	28.37			
Desv. Est.	.69	3.3	3.85	1.97	10.0	1.28	1.32			
% RSD	4.679	.8340	7.952	7.314	7.247	1.343	4.650			
Rep #1	14.17	403.8	47.82	29.10	148.5	96.67	28.26			
Rep #2	14.49	397.3	52.60	25.25	136.8	95.18	27.10			
Rep #3	15.49	399.1	44.97	26.45	128.6	94.12	29.73			
5	Cal: STD 4 20/01/2016 10:44:34 IR D MP-160120:									
	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138		
Línea	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45		
Unidades	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s	Cts/s		
Media	35.20	942.5	98.56	48.56	305.5	220.6	66.73	835.0		
Desv. Est.	.82	8.3	2.19	1.64	2.4	2.4	1.87	4.8		
% RSD	2.329	.8839	2.228	3.380	.7738	1.107	2.805	.5716		
Rep #1	36.13	951.9	98.55	48.83	306.9	223.2	68.73	840.3		
Rep #2	34.91	935.9	100.8	46.80	306.9	220.1	66.42	833.7		
Rep #3	34.57	939.9	96.36	50.05	302.8	218.4	65.02	831.0		
6	Cal: STD 5 20/01/2016 10:57:55 IR D MP-160120:									

11	Unk: BLANCO 20/01/2016 11:12:37 CONC D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	<.0000	<.0000	.0075	.0084	.0095	.0009	.0060	.0086	.0070	
Desv. Est.	.0183	.0030	.0030	.0015	.0056	.0033	.0035	.0029	.0027	
% RSD	52.99	157.8	40.20	17.35	59.54	381.3	58.52	33.42	38.78	
Rep #1	-.0260	-.0035	.0062	.0101	.0115	.0027	.0051	.0067	.0060	
Rep #2	-.0222	-.0038	.0054	.0077	.0138	.0029	.0030	.0072	.0049	
Rep #3	-.0556	.0016	.0110	.0074	.0031	-.0030	.0099	.0119	.0100	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
12	Unk: RECUPERACION 20/01/2016 11:17:26 CONC x100 D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	34.13	35.90	43.71	39.54	36.95	38.31	42.83	40.76	39.06	
Desv. Est.	1.47	.32	.32	.57	.17	.49	.27	.21	.30	
% RSD	4.308	.8800	.7240	1.454	.4553	1.285	.6380	.5225	.7661	
Rep #1	32.67	35.97	44.02	39.85	36.95	38.41	43.14	41.00	39.40	
Rep #2	34.10	36.17	43.71	39.89	37.11	38.74	42.73	40.67	38.98	
Rep #3	35.61	35.55	43.39	38.88	36.78	37.77	42.62	40.61	38.81	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
13	Blanco: REACTIVO 20/01/2016 11:25:04 CONC D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	-.0234	-.0071	-.0035	-.0043	.3478	-.0080	-.0019	-.0027	.0846	
Desv. Est.	.0100	.0012	.0014	.0020	.0074	.0010	.0018	.0022	.0016	
% RSD	42.55	16.76	40.71	46.95	2.134	12.59	93.20	78.81	1.941	
Rep #1	-.0335	-.0058	-.0024	-.0046	.3564	-.0070	-.0008	-.0007	.0860	
Rep #2	-.0136	-.0081	-.0030	-.0061	.3433	-.0081	-.0009	-.0025	.0849	
Rep #3	-.0232	-.0074	-.0051	-.0021	.3437	-.0090	-.0039	-.0050	.0828	
Comprobació										
Valor										
Intervalo										
14	Unk: GISC15-24440 20/01/2016 11:27:35 CONC x165.45 D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	<.0000	<.0000	<.0000	.8032	420.6	<.0000	<.0000	<.0000	2.996	
Desv. Est.	4.792	.3228	.2093	.4574	1.1	.3475	.2663	.1464	.133	
% RSD	1055.	30.10	29.62	56.94	.2594	30.15	102.6	27.44	4.451	
Rep #1	-5.828	-.7478	-.4997	.5720	421.1	-1.218	.0238	-.5099	3.121	
Rep #2	1.091	-1.393	-.9182	1.330	419.4	-.7770	-.5048	-.6905	2.856	
Rep #3	3.374	-1.076	-.7020	.5076	421.4	-1.462	-.2975	-.4006	3.011	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
15	Unk: GISC15-24452 20/01/2016 11:30:13 CONC x158.43 D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	

Media	13.36	<.0000	<.0000	<.0000	494.6	<.0000	<.0000	<.0000	183.6
Desv. Est.	2.06	.1285	.3303	1.130	6.3	.5106	.3139	.2126	.5
% RSD	15.41	5.245	20.45	428.5	1.280	26.89	85.10	23.31	.2671
Rep #1	12.13	-2.432	-1.259	.0952	493.5	-1.434	-.0187	-.7265	183.3
Rep #2	12.22	-2.331	-1.910	.6434	488.9	-2.446	-.6248	-1.144	184.2
Rep #3	15.74	-2.586	-1.678	-1.530	501.4	-1.817	-.4630	-.8652	183.4
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
20	Unk: GISC15-24462 20/01/2016 11:42:37 CONC x.15924 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.0264	.0059	.0025	.0039	<.0000	.0065	.0014	.0021	<.0000
Desv. Est.	.0035	.0004	.0001	.0004	.0017	.0002	.0000	.0002	.0000
% RSD	13.39	6.554	2.265	10.07	1.441	3.394	3.137	10.24	.0492
Rep #1	.0242	.0063	.0025	.0034	-.1176	.0067	.0013	.0020	-.0821
Rep #2	.0246	.0060	.0025	.0040	-.1155	.0064	.0014	.0024	-.0821
Rep #3	.0305	.0055	.0024	.0042	-.1189	.0062	.0013	.0020	-.0821
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
21	QC: QC 20/01/2016 11:48:01 CONC D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.3563	.3644	.4674	.4143	.3744	.3978	.4591	.4209	.3981
Desv. Est.	.0186	.0022	.0015	.0023	.0043	.0020	.0025	.0025	.0016
% RSD	5.219	.5913	.3163	.5480	1.136	.4969	.5431	.6028	.3948
Rep #1	.3517	.3665	.4682	.4118	.3758	.3970	.4594	.4233	.3991
Rep #2	.3405	.3646	.4683	.4148	.3696	.3964	.4614	.4211	.3988
Rep #3	.3768	.3622	.4657	.4163	.3778	.4000	.4564	.4183	.3963
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
22	Unk: GISC15-24464 20/01/2016 11:49:18 CONC x270.86 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	5.952	<.0000	<.0000	<.0000	586.9	<.0000	<.0000	<.0000	6.130
Desv. Est.	.622	.5102	.1623	.3814	3.4	.1285	.1952	.1867	.118
% RSD	10.45	23.85	9.250	769.6	.5805	4.800	19.60	23.47	1.927
Rep #1	6.389	-1.558	-1.567	.2909	590.3	-2.530	-.7772	-.8100	6.266
Rep #2	5.240	-2.516	-1.859	.0222	587.1	-2.761	-1.058	-.9747	6.068
Rep #3	6.227	-2.341	-1.837	-.4618	583.5	-2.743	-1.152	-.6021	6.055
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
23	Unk: GISC15-24466 20/01/2016 11:51:46 CONC x175.32 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.6629	<.0000	<.0000	<.0000	419.4	<.0000	<.0000	<.0000	2.683

Desv. Est.	.4411	.6195	.0721	.7310	5.1	.0588	.1389	.3433	.063
% RSD	66.54	44.40	6.556	96.83	1.221	3.311	19.60	50.27	2.343
Rep #1	.5081	-.9885	-1.018	.0813	417.1	-1.805	-.5724	-1.034	2.755
Rep #2	1.161	-2.108	-1.156	-1.073	415.8	-1.813	-.7043	-.6666	2.644
Rep #3	.3201	-1.089	-1.123	-1.273	425.2	-1.707	-.8502	-.3480	2.650
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
24	Unk: GISC15-24468 20/01/2016 11:54:08 CONC x279.33 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	19.10	<.0000	<.0000	<.0000	407.5	<.0000	<.0000	<.0000	2.629
Desv. Est.	4.58	.2643	.0867	1.200	4.6	.4617	.1905	.2611	.115
% RSD	23.99	11.25	4.549	69.57	1.136	15.55	18.53	18.14	4.366
Rep #1	22.90	-2.239	-1.859	-.3393	412.5	-2.520	-.9411	-1.152	2.687
Rep #2	14.01	-2.158	-1.854	-2.432	403.4	-3.443	-.8963	-1.662	2.703
Rep #3	20.38	-2.651	-2.006	-2.403	406.5	-2.942	-1.246	-1.505	2.497
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
25	Unk: GISC15-24470 20/01/2016 11:56:36 CONC x93.075 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	2.109	<.0000	<.0000	.3895	430.1	<.0000	<.0000	<.0000	4.067
Desv. Est.	.744	.1378	.0098	.4906	2.3	.1130	.0608	.0954	.012
% RSD	35.27	22.51	1.642	125.9	.5365	11.55	17.15	25.53	.2816
Rep #1	2.635	-.7527	-.5869	.2686	432.0	-.8843	-.2870	-.2715	4.078
Rep #2	1.258	-.4773	-.5994	.9293	427.5	-.9485	-.3705	-.4604	4.056
Rep #3	2.435	-.6063	-.6063	-.0293	430.7	-1.104	-.4053	-.3890	4.066
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
26	Unk: GISC15-24473 20/01/2016 11:59:01 CONC x169.72 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	5.131	<.0000	<.0000	<.0000	328.9	<.0000	<.0000	<.0000	4.515
Desv. Est.	4.314	.2290	.0134	.7255	3.5	.1253	.0491	.0172	.042
% RSD	84.08	18.00	1.100	172.2	1.078	6.859	7.486	2.055	.9183
Rep #1	9.217	-1.147	-1.202	-.0126	331.6	-1.723	-.6773	-.8468	4.563
Rep #2	5.554	-1.133	-1.216	.0074	330.2	-1.966	-.6896	-.8184	4.492
Rep #3	.6211	-1.537	-1.229	-1.259	324.9	-1.792	-.5992	-.8495	4.490
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
27	Unk: GISC15-24475 20/01/2016 12:01:26 CONC x36.433 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.8052	<.0000	<.0000	.4373	393.5	<.0000	<.0000	<.0000	3.412
Desv. Est.	.3501	.0953	.0115	.1760	4.4	.0353	.0109	.0427	.021

% RSD	43.48	68.55	5.734	40.24	1.113	9.515	8.378	22.25	.6248
Rep #1	1.194	-.0336	-.1889	.2399	388.7	-.3309	-.1292	-.1449	3.435
Rep #2	.5145	-.1646	-.2036	.4944	394.5	-.3855	-.1415	-.2283	3.393
Rep #3	.7073	-.2191	-.2117	.5776	397.3	-.3970	-.1198	-.2028	3.407
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
28	Unk: GISC15-24476 20/01/2016 12:03:53 CONC x129.67 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	3.143	<.0000	<.0000	<.0000	441.7	<.0000	<.0000	<.0000	2.130
Desv. Est.	2.952	.1408	.0285	.0634	2.3	.2157	.0498	.2085	.026
% RSD	93.92	15.85	3.165	17.39	.5220	19.95	10.55	34.21	1.241
Rep #1	2.334	-1.025	-.9012	-.4325	439.3	-1.308	-.4283	-.5066	2.152
Rep #2	6.416	-.8956	-.9274	-.3530	441.8	-1.058	-.5262	-.8495	2.101
Rep #3	.6804	-.7440	-.8705	-.3074	443.9	-.8780	-.4617	-.4724	2.139
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
29	Unk: GISC15-24489 20/01/2016 12:07:04 CONC x29.481 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.7313	<.0000	<.0000	<.0000	385.1	<.0000	<.0000	<.0000	3.150
Desv. Est.	.7595	.0585	.0059	.0805	2.5	.0235	.0157	.0162	.016
% RSD	103.9	76.45	3.668	254.7	.6395	7.979	13.68	13.03	.5197
Rep #1	.9450	-.1440	-.1567	.0344	388.0	-.2901	-.1150	-.1416	3.162
Rep #2	-.1122	-.0437	-.1678	-.1213	384.1	-.2730	-.0986	-.1211	3.132
Rep #3	1.361	-.0418	-.1587	-.0079	383.4	-.3194	-.1299	-.1097	3.157
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
30	Unk: GISC15-25118 20/01/2016 12:09:31 CONC x266.24 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.0485	<.0000	<.0000	<.0000	331.7	<.0000	<.0000	<.0000	2.005
Desv. Est.	3.905	.1930	.0465	.7079	3.0	.1036	.0939	.2692	.030
% RSD	8049.	8.708	2.298	39.28	.9146	3.354	8.240	19.87	1.502
Rep #1	-4.442	-2.221	-1.970	-2.476	333.7	-3.098	-1.244	-1.087	2.023
Rep #2	1.939	-2.021	-2.044	-1.867	333.2	-2.981	-1.113	-1.625	1.970
Rep #3	2.649	-2.407	-2.056	-1.064	328.2	-3.188	-1.062	-1.352	2.022
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
31	Unk: GISC15-25125 20/01/2016 12:11:55 CONC x180.12 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	<.0000	<.0000	<.0000	416.2	<.0000	<.0000	<.0000	2.470
Desv. Est.	3.099	.5954	.0108	.1841	.5	.0738	.0377	.2214	.033
% RSD	249.0	49.09	.7966	35.41	.1297	3.537	5.088	23.86	1.347

Rep #1	1.802	-6714	-1.343	-.4517	416.8	-2.014	-.7842	-.7140	2.501
Rep #2	-4.392	-1.851	-1.364	-.3796	415.9	-2.087	-.7179	-.9137	2.434
Rep #3	-1.143	-1.117	-1.352	-.7283	415.8	-2.162	-.7200	-1.156	2.474
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
32	QC: QC 20/01/2016 12:16:20 CONC D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.3349	.3668	.4613	.4138	.3726	.3955	.4520	.4119	.3931
Desv. Est.	.0213	.0008	.0014	.0082	.0060	.0035	.0024	.0012	.0014
% RSD	6.367	.2236	.3003	1.971	1.612	.8771	.5291	.2920	.3670
Rep #1	.3135	.3668	.4629	.4066	.3707	.3951	.4547	.4125	.3946
Rep #2	.3350	.3676	.4609	.4227	.3793	.3991	.4513	.4127	.3929
Rep #3	.3561	.3659	.4602	.4123	.3678	.3922	.4502	.4105	.3918
Comprobaci3n	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp
Valor									
Intervalo									
33	Unk: GISC15-25132 20/01/2016 12:17:31 CONC x135.06 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.496	<.0000	<.0000	<.0000	379.4	<.0000	<.0000	<.0000	2.674
Desv. Est.	3.585	.0979	.0220	.2865	2.6	.0732	.0089	.3235	.042
% RSD	239.6	11.27	2.201	27.64	.6757	4.848	1.569	53.72	1.572
Rep #1	3.285	-.9693	-.9866	-1.046	381.1	-1.426	-5583	-3818	2.695
Rep #2	-2.631	-.7739	-.9843	-1.318	380.6	-1.559	-5697	-4513	2.701
Rep #3	3.835	-.8614	-1.023	-.7453	376.4	-1.545	-5758	-.9737	2.625
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
34	Unk: GISC15-25141 20/01/2016 12:20:50 CONC x357.14 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.6372	<.0000	<.0000	<.0000	250.5	<.0000	<.0000	<.0000	1.753
Desv. Est.	3.796	.2195	.0119	1.767	2.2	.2429	.0996	.2805	.085
% RSD	595.8	7.537	.4292	210.1	.8952	5.667	6.038	12.09	4.862
Rep #1	-.7971	-2.685	-2.774	.5346	253.1	-4.014	-1.568	-2.351	1.713
Rep #2	-2.233	-2.930	-2.758	-2.833	249.3	-4.478	-1.761	-2.025	1.851
Rep #3	4.942	-3.123	-2.782	-.2235	249.2	-4.369	-1.622	-2.583	1.696
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
35	Unk: GISC15-25153 20/01/2016 12:23:08 CONC x118.99 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	1.585	<.0000	<.0000	<.0000	377.5	<.0000	<.0000	<.0000	14.73
Desv. Est.	1.395	.1397	.0106	.4274	2.0	.0413	.0389	.2514	.02
% RSD	88.05	15.80	1.209	91.60	.5224	3.200	23.37	39.12	.1437
Rep #1	2.747	-.8681	-.8906	-.0773	375.5	-1.315	-.1235	-.7652	14.76

Rep #2	1.970	-1.032	-8693	-3985	377.8	-1.315	-.1763	-.3534	14.72
Rep #3	.0371	-.7539	-.8803	-.9239	379.4	-1.243	-.1994	-.8090	14.72
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
36	Unk: GISC15-25160 20/01/2016 12:25:29 CONC x105.57 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	5.533	<.0000	<.0000	<.0000	394.7	<.0000	<.0000	<.0000	4.474
Desv. Est.	.741	.3179	.0040	.2309	1.8	.0910	.0499	.0607	.001
% RSD	13.39	66.32	.5287	63.72	.4435	11.58	14.65	11.02	.0234
Rep #1	5.176	-.8411	-.7570	-.6171	395.5	-.7006	-.3451	-.5822	4.475
Rep #2	5.038	-.2445	-.7543	-.1667	395.9	-.7756	-.2885	-.5894	4.475
Rep #3	6.385	-.3524	-.7622	-.3035	392.7	-.8818	-.3880	-.4809	4.473
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
37	Unk: GISC15-25161 20/01/2016 12:27:54 CONC x473.48 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	<.0000	<.0000	<.0000	238.4	<.0000	<.0000	<.0000	1.996
Desv. Est.	8.505	.9718	.0675	1.804	2.8	.1237	.3804	.4438	.108
% RSD	333.5	26.79	1.847	49.31	1.178	2.237	17.67	20.94	5.385
Rep #1	-5.051	-3.017	-3.593	-3.952	241.2	-5.557	-1.822	-2.394	2.083
Rep #2	6.925	-4.748	-3.726	-1.727	238.5	-5.639	-2.569	-1.607	1.876
Rep #3	-9.524	-3.118	-3.641	-5.300	235.6	-5.396	-2.069	-2.357	2.030
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
38	Unk: GISC15-25163 20/01/2016 12:30:12 CONC x134.55 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	<.0000	<.0000	<.0000	353.3	<.0000	<.0000	<.0000	2.981
Desv. Est.	1.652	.2390	.0235	.4647	2.7	.1223	.0576	.0711	.034
% RSD	240.0	20.06	2.337	69.15	.7754	7.445	10.18	8.998	1.131
Rep #1	-1.601	-1.464	-.9802	-.5272	353.9	-1.692	-.6006	-.8488	3.011
Rep #2	-1.682	-1.093	-1.027	-.2968	355.8	-1.504	-.4993	-.7111	2.944
Rep #3	1.219	-1.017	-1.004	-1.192	350.4	-1.734	-.5973	-.8106	2.986
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
39	Unk: GISC15-25167 20/01/2016 12:32:37 CONC x126.97 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
L3nea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	<.0000	<.0000	<.0000	374.1	<.0000	<.0000	<.0000	3.145
Desv. Est.	.5970	.1714	.0225	.1547	1.8	.0977	.0162	.1833	.014
% RSD	231.2	16.85	2.383	15.20	.4917	6.365	2.820	26.28	.4559
Rep #1	.3264	-.8193	-.9465	-.8873	375.4	-1.641	-.5597	-.5529	3.155
Rep #2	-.8669	-1.119	-.9654	-.9774	374.8	-1.448	-.5922	-.9036	3.129

Rep #3	-0.2342	-1.114	-0.9206	-1.189	372.0	-1.517	-0.5761	-0.6358	3.152
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
40	Unk: GISC15-25169 20/01/2016 12:34:58 CONC x320.92 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	5.509	<.0000	<.0000	<.0000	483.9	<.0000	<.0000	<.0000	3.275
Desv. Est.	4.913	.4334	.0463	.3423	2.1	.0837	.1672	.6243	.021
% RSD	89.19	18.31	1.901	17.24	.4424	2.150	10.81	46.44	.6383
Rep #1	-.0484	-1.997	-2.390	-1.820	484.9	-3.799	-1.685	-2.012	3.263
Rep #2	7.300	-2.259	-2.482	-1.758	481.5	-3.953	-1.361	-0.7756	3.264
Rep #3	9.276	-2.844	-2.443	-2.379	485.4	-3.932	-1.595	-1.245	3.300
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
41	Unk: GISC15-25170 20/01/2016 12:37:14 CONC x273.22 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.8448	<.0000	<.0000	<.0000	262.5	<.0000	<.0000	<.0000	11.55
Desv. Est.	3.081	.2948	.0433	.0497	2.9	.0864	.0611	.1521	.06
% RSD	364.6	14.17	2.036	2.186	1.115	2.630	4.774	11.47	.5423
Rep #1	-2.397	-2.349	-2.142	-2.276	265.6	-3.302	-1.275	-1.501	11.59
Rep #2	1.197	-1.765	-2.080	-2.220	262.0	-3.191	-1.222	-1.248	11.59
Rep #3	3.734	-2.126	-2.163	-2.319	259.8	-3.361	-1.344	-1.229	11.48
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
42	Unk: GISC15-25172 20/01/2016 12:39:32 CONC x141.24 D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.5126	<.0000	<.0000	<.0000	406.1	<.0000	<.0000	<.0000	2.504
Desv. Est.	3.646	.1958	.0117	.5592	4.2	.0786	.0363	.1750	.038
% RSD	711.3	19.32	1.098	261.2	1.024	4.522	5.719	17.20	1.521
Rep #1	1.605	-.9256	-1.063	.2027	403.4	-1.704	-.6662	-.9800	2.494
Rep #2	-3.555	-.8776	-1.054	.0046	404.0	-1.684	-.6436	-1.209	2.546
Rep #3	3.487	-1.238	-1.077	-.8497	410.9	-1.829	-.5951	-.8648	2.471
Comprobaci3n	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno
Valor									
Intervalo									
43	QC: QC 20/01/2016 12:42:40 CONC D MP-160120:								
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138
Lnea	396.152 { 85	189.042 { 47	226.502 { 44	324.754 { 10	259.940 { 13	257.610 { 13	231.604 { 44	220.353 { 45	213.856 { 45
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.3593	.3629	.4618	.4109	.3673	.3895	.4514	.4130	.3926
Desv. Est.	.0021	.0012	.0023	.0030	.0008	.0017	.0022	.0041	.0026
% RSD	.5739	.3248	.5078	.7281	.2120	.4481	.4939	.9859	.6727
Rep #1	.3590	.3633	.4633	.4126	.3681	.3889	.4523	.4164	.3943
Rep #2	.3614	.3637	.4630	.4074	.3665	.3881	.4531	.4141	.3940
Rep #3	.3573	.3615	.4591	.4126	.3673	.3914	.4489	.4085	.3896

Valor										
Intervalo										
48	Unk: GISC15-25193 20/01/2016 12:53:56 CONC x249.25 D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	<.0000	<.0000	<.0000	257.3	<.0000	<.0000	<.0000	3.678	
Desv. Est.	2.763	.2444	.0712	.6040	1.7	.1040	.2002	.1247	.045	
% RSD	583.9	11.04	3.694	72.22	.6757	3.438	19.07	9.090	1.229	
Rep #1	.5553	-1.953	-1.893	-.1574	258.2	-2.905	-1.241	-1.451	3.635	
Rep #2	1.628	-2.247	-1.880	-1.314	255.3	-3.079	-1.065	-1.437	3.674	
Rep #3	-3.603	-2.438	-2.010	-1.037	258.5	-3.090	-.8419	-1.228	3.725	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
49	Unk: GISC15-25203 20/01/2016 12:56:28 CONC x504.03 D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	10.65	<.0000	<.0000	<.0000	311.3	<.0000	<.0000	<.0000	2.032	
Desv. Est.	3.15	1.215	.0456	2.460	2.6	.3767	.1585	.5962	.018	
% RSD	29.55	29.08	1.166	60.13	.8293	6.033	6.174	20.36	.8774	
Rep #1	7.171	-5.489	-3.876	-1.339	308.7	-5.982	-2.598	-2.348	2.029	
Rep #2	11.47	-3.957	-3.963	-6.076	313.8	-6.075	-2.395	-2.897	2.015	
Rep #3	13.30	-3.090	-3.896	-4.858	311.4	-6.676	-2.708	-3.540	2.051	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
50	Unk: GISC15-25209 20/01/2016 12:58:54 CONC x165.56 D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	<.0000	<.0000	<.0000	<.0000	293.4	<.0000	<.0000	<.0000	1.966	
Desv. Est.	1.564	.3792	.0119	.2014	1.9	.1124	.0593	.1759	.023	
% RSD	42.80	30.67	.9285	36.79	.6556	5.241	7.542	20.87	1.169	
Rep #1	-1.858	-1.334	-1.292	-3.680	291.1	-2.206	-.8214	-.6961	1.943	
Rep #2	-4.385	-1.557	-1.285	-5.093	294.6	-2.215	-.7184	-.7939	1.989	
Rep #3	-4.717	-.8180	-1.269	-.7654	294.4	-2.016	-.8210	-1.038	1.967	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
51	Unk: GISC15-25217 20/01/2016 13:01:23 CONC x123.46 D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Media	.1707	<.0000	<.0000	<.0000	415.2	<.0000	<.0000	<.0000	4.822	
Desv. Est.	1.448	.4420	.0214	.5232	2.7	.0461	.1021	.1514	.049	
% RSD	848.1	43.85	2.335	66.82	.6585	3.098	25.32	24.45	1.021	
Rep #1	-1.352	-.9266	-.9352	-1.343	418.4	-1.532	-.4535	-.6901	4.871	
Rep #2	1.529	-.6125	-.9199	-.3063	413.5	-1.440	-.2858	-.7227	4.821	
Rep #3	.3355	-1.485	-.8930	-.7000	413.8	-1.494	-.4706	-.4456	4.773	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										

Intervalo										
52	Unk: GISC15-25224 20/01/2016 13:03:50 CONC x194.55 D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	<.0000	<.0000	<.0000	<.0000	355.9	<.0000	<.0000	<.0000	2.114	
Desv. Est.	.4530	.3844	.0112	.3399	1.9	.0873	.0808	.0779	.021	
% RSD	16.72	20.61	.7425	23.30	.5271	3.545	9.006	6.990	1.012	
Rep #1	-2.194	-2.242	-1.513	-1.091	357.9	-2.374	-9.771	-1.204	2.119	
Rep #2	-2.896	-1.878	-1.491	-1.524	354.2	-2.549	-9.004	-1.073	2.090	
Rep #3	-3.040	-1.474	-1.505	-1.761	355.6	-2.470	-8.155	-1.065	2.132	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
53	Unk: GISC15-25226 20/01/2016 13:06:26 CONC x269.11 D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	1.824	<.0000	<.0000	1.857	261.0	<.0000	<.0000	<.0000	2.762	
Desv. Est.	7.614	.8105	.0108	1.216	3.7	.1515	.0240	.0720	.038	
% RSD	417.4	40.13	.5241	65.50	1.402	4.521	1.743	5.355	1.371	
Rep #1	10.09	-2.849	-2.060	3.244	262.4	-3.202	-1.383	-1.377	2.726	
Rep #2	-4.894	-1.981	-2.080	1.351	263.7	-3.505	-1.355	-1.395	2.759	
Rep #3	.2709	-1.229	-2.062	.9751	256.8	-3.349	-1.402	-1.262	2.802	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
54	Unk: GISC15-25228 20/01/2016 13:08:52 CONC x23.306 D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	.6769	<.0000	<.0000	.0063	396.1	<.0000	<.0000	<.0000	3.000	
Desv. Est.	.3736	.0302	.0038	.0382	2.4	.0276	.0181	.0348	.017	
% RSD	55.19	63.66	2.924	603.6	.5970	13.01	16.96	27.67	.5525	
Rep #1	.9809	-.0492	-.1341	-.0250	393.4	-.2419	-.1262	-.1551	2.986	
Rep #2	.2599	-.0164	-.1265	-.0049	397.7	-.1876	-.0907	-.1348	3.018	
Rep #3	.7898	-.0768	-.1306	.0488	397.2	-.2062	-.1025	-.0873	2.995	
Comprobació	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	Ninguno	
Valor										
Intervalo										
55	QC: QC 20/01/2016 13:10:59 CONC D MP-160120:									
	Al3961	As1890	Cd2265	Cu3247	Fe2599	Mn2576	Ni2316	Pb2203	Zn2138	
Línea	396.152 { 85	189.042 {47	226.502 {44	324.754 {10	259.940 {13	257.610 {13	231.604 {44	220.353 {45	213.856 {45	
Unidades	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Media	.3731	.3590	.4597	.4089	.3668	.3903	.4498	.4108	.3898	
Desv. Est.	.0190	.0044	.0033	.0050	.0051	.0019	.0024	.0016	.0032	
% RSD	5.094	1.228	.7168	1.232	1.392	.4886	.5401	.3948	.8284	
Rep #1	.3810	.3637	.4612	.4145	.3727	.3888	.4508	.4113	.3912	
Rep #2	.3869	.3550	.4559	.4073	.3635	.3925	.4470	.4089	.3861	
Rep #3	.3515	.3582	.4619	.4048	.3643	.3898	.4516	.4121	.3920	
Comprobació	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	Pasa Comp	
Valor										
Intervalo										

1	Cal: Blanco 22/01/2016 15:32:34 IR DHg-160122:
	Hg1942
Unidades	Cts/s
Media	1.583
Desv. Est.	1.176
% RSD	74.29
Rep #1	1.454
Rep #2	2.817
Rep #3	.4766
2	Cal: STD 1 22/01/2016 15:34:00 IR DHg-160122:
	Hg1942
Unidades	Cts/s
Media	57.73
Desv. Est.	3.97
% RSD	6.877
Rep #1	53.24
Rep #2	59.19
Rep #3	60.77
3	Cal: STD 2 22/01/2016 15:35:19 IR DHg-160122:
	Hg1942
Unidades	Cts/s
Media	156.9
Desv. Est.	16.5
% RSD	10.50
Rep #1	137.9
Rep #2	165.2
Rep #3	167.6
4	Cal: STD 3 22/01/2016 15:36:43 IR DHg-160122:
	Hg1942
Unidades	Cts/s
Media	268.0
Desv. Est.	17.3
% RSD	6.475
Rep #1	248.2
Rep #2	275.0
Rep #3	280.7
5	Cal: STD 4 22/01/2016 15:38:00 IR DHg-160122:
	Hg1942
Unidades	Cts/s
Media	537.2
Desv. Est.	46.3
% RSD	8.609
Rep #1	483.8
Rep #2	564.0
Rep #3	563.9
6	QC: PatrónQC 22/01/2016 15:39:52 CONC DHg-160122:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0055
Desv. Est.	.0002

% RSD	4.274
Rep #1	.0057
Rep #2	.0054
Rep #3	.0053
Comprobación	Ninguno
Valor	
Intervalo	
7	Unk: BLANCO 22/01/2016 15:41:28 CONC DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0001
Desv. Est.	.0002
% RSD	183.7
Rep #1	.0003
Rep #2	.0001
Rep #3	-.0001
8	Unk: RECUPERACION 22/01/2016 15:42:51 CONC x100 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.5020
Desv. Est.	.0316
% RSD	6.296
Rep #1	.4656
Rep #2	.5223
Rep #3	.5180
9	Blanco: REACTIVO 22/01/2016 15:44:05 CONC DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0000
Desv. Est.	.0000
% RSD	118.9
Rep #1	-.0000
Rep #2	.0000
Rep #3	-.0000
10	Unk: GISC15-24440 22/01/2016 15:47:19 CONC x165.45 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0279
Desv. Est.	.0138
% RSD	49.27
Rep #1	-.0124
Rep #2	-.0385
Rep #3	-.0328
11	Unk: GISC15-24452 22/01/2016 15:49:13 CONC x158.43 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0270

Desv. Est.	.0043
% RSD	15.87
Rep #1	-.0260
Rep #2	-.0317
Rep #3	-.0233
12	Unk: GISC15-24455 22/01/2016 15:50:34 CONC x92.661 DU-160122 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0155
Desv. Est.	.0008
% RSD	5.109
Rep #1	-.0162
Rep #2	-.0147
Rep #3	-.0157
13	Unk: GISC15-24456 22/01/2016 15:51:50 CONC x157.23 DU-160122 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0265
Desv. Est.	.0022
% RSD	8.127
Rep #1	-.0288
Rep #2	-.0245
Rep #3	-.0262
14	Unk: GISC15-24458 22/01/2016 15:53:15 CONC x162.76 DU-160122 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0204
Desv. Est.	.0055
% RSD	26.84
Rep #1	-.0208
Rep #2	-.0148
Rep #3	-.0257
15	Unk: GISC15-24460 22/01/2016 15:55:00 CONC x277.78 DU-160122 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0407
Desv. Est.	.0059
% RSD	14.55
Rep #1	-.0473
Rep #2	-.0389
Rep #3	-.0358
16	Unk: GISC15-24462 22/01/2016 15:55:44 CONC x159.24 DU-160122 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0010
Desv. Est.	.0041
% RSD	407.3

Rep #1	-0056
Rep #2	.0022
Rep #3	.0004
17	QC: PatrónQC 22/01/2016 15:57:17 CONC DHg-160122:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0047
Desv. Est.	.0006
% RSD	12.89
Rep #1	.0040
Rep #2	.0050
Rep #3	.0052
Comprobación	Pasa Comp
Valor	
Intervalo	
18	Unk: GISC15-24464 22/01/2016 16:00:08 CONC x270.86 DHg-160122:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0204
Desv. Est.	.0435
% RSD	213.8
Rep #1	.0295
Rep #2	-.0395
Rep #3	-.0510
19	Unk: GISC15-24466 22/01/2016 16:00:23 CONC x175.32 DHg-160122:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0190
Desv. Est.	.0571
% RSD	301.2
Rep #1	-.0849
Rep #2	.0152
Rep #3	.0128
20	Unk: GISC15-24468 22/01/2016 16:01:18 CONC x279.33 DHg-160122:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0081
Desv. Est.	.0093
% RSD	114.0
Rep #1	-.0187
Rep #2	-.0014
Rep #3	-.0043
21	Unk: GISC15-24470 22/01/2016 16:02:53 CONC x93.075 DHg-160122:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0364
Desv. Est.	.0394

Rep #2	.0035
Rep #3	-.0013
22	Unk: GISC15-24473 22/01/2016 16:04:16 CONC x169.72 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0022
Desv. Est.	.0026
% RSD	120.0
Rep #1	-.0043
Rep #2	.0007
Rep #3	-.0029
23	Unk: GISC15-24475 22/01/2016 16:05:44 CONC x36.432 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0044
Desv. Est.	.0006
% RSD	13.81
Rep #1	-.0038
Rep #2	-.0050
Rep #3	-.0044
24	Unk: GISC15-24476 22/01/2016 16:06:46 CONC x129 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0002
Desv. Est.	.0004
% RSD	242.7
Rep #1	-.0001
Rep #2	-.0006
Rep #3	.0002
25	Unk: GISC15-24489 22/01/2016 16:10:14 CONC x29.481 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0007
Desv. Est.	.0002
% RSD	26.58
Rep #1	-.0006
Rep #2	-.0005
Rep #3	-.0009
26	Unk: GISC15-25118 22/01/2016 16:10:21 CONC x266.24 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0080
Desv. Est.	.0064
% RSD	80.05
Rep #1	-.0011
Rep #2	-.0092
Rep #3	-.0138

Rep #2	-0092
Rep #3	-0138
27	Unk: GISC15-25125 22/01/2016 16:12:29 CONC x180.12 D15-160122 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0322
Desv. Est.	.0379
% RSD	117.5
Rep #1	-0758
Rep #2	-0081
Rep #3	-0127
28	QC: PatrónQC 22/01/2016 16:14:30 CONC x100 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0050
Desv. Est.	.0015
% RSD	29.81
Rep #1	.0061
Rep #2	.0033
Rep #3	.0056
Comprobación	Pasa Comp
Valor	
Intervalo	
29	Unk: GISC15-25132 22/01/2016 16:17:33 CONC x135.06 D15-160122 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-1600
Desv. Est.	.3275
% RSD	204.7
Rep #1	-0228
Rep #2	-5338
Rep #3	.0765
30	Unk: GISC15-25141 22/01/2016 16:19:08 CONC x357.14 D15-160122 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0166
Desv. Est.	.0082
% RSD	49.38
Rep #1	-0130
Rep #2	-0108
Rep #3	-0259
31	Unk: GISC15-25153 22/01/2016 16:20:39 CONC x118.99 D15-160122 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0045
Desv. Est.	.0012
% RSD	26.45

Rep #1	-0049
Rep #2	-0032
Rep #3	-0055
32	Unk: GISC15-25160 22/01/2016 16:21:55 CONC x105.57 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0042
Desv. Est.	.0010
% RSD	23.16
Rep #1	-0045
Rep #2	-0051
Rep #3	-0032
33	Unk: GISC15-25161 22/01/2016 16:23:06 CONC x473.48 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0164
Desv. Est.	.0121
% RSD	73.40
Rep #1	-0303
Rep #2	-0084
Rep #3	-0106
34	Unk: GISC15-25163 22/01/2016 16:24:31 CONC x134.55 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0194
Desv. Est.	.4452
% RSD	2293.
Rep #1	-5179
Rep #2	.1211
Rep #3	.3385
35	Unk: GISC15-25167 22/01/2016 16:26:28 CONC x127.29 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0056
Desv. Est.	.0003
% RSD	5.095
Rep #1	-0055
Rep #2	-0060
Rep #3	-0054
36	Unk: GISC15-25169 22/01/2016 16:27:31 CONC x320.92 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-5462
Desv. Est.	1.009
% RSD	184.7
Rep #1	-1.493
Rep #2	-6610

Rep #3	.5153
37	Unk: GISC15-25170 22/01/2016 16:28:45 CONC x273.22 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.7730
Desv. Est.	.9736
% RSD	125.9
Rep #1	-1.540
Rep #2	-1.101
Rep #3	.3222
38	Unk: GISC15-25172 22/01/2016 16:30:10 CONC x141.16 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.1685
Desv. Est.	1.118
% RSD	663.4
Rep #1	.6112
Rep #2	-1.449
Rep #3	.3325
39	QC: PatrónQC 22/01/2016 16:31:27 CONC DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0050
Desv. Est.	.0039
% RSD	78.09
Rep #1	.0094
Rep #2	.0038
Rep #3	.0018
Comprobación	Pasa Comp
Valor	
Intervalo	
40	Unk: GISC15-25174 22/01/2016 16:34:45 CONC x160.15 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0048
Desv. Est.	.0025
% RSD	51.54
Rep #1	-.0030
Rep #2	-.0076
Rep #3	-.0039
41	Unk: GISC15-25175 22/01/2016 16:36:06 CONC x225.84 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0066
Desv. Est.	.0012
% RSD	18.07
Rep #1	-.0062

Rep #2	-0056
Rep #3	-0079
42	Unk: GISC15-25180 22/01/2016 16:36:09 CONC x194.7 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0076
Desv. Est.	.0008
% RSD	10.53
Rep #1	-0069
Rep #2	-0085
Rep #3	-0076
43	Unk: GISC15-25187 22/01/2016 16:37:37 CONC x168.92 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0038
Desv. Est.	.0016
% RSD	41.99
Rep #1	-0021
Rep #2	-0052
Rep #3	-0039
44	Unk: GISC15-25193 22/01/2016 16:39:10 CONC x249.25 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0064
Desv. Est.	.0009
% RSD	14.54
Rep #1	-0062
Rep #2	-0074
Rep #3	-0056
45	Unk: GISC15-25203 22/01/2016 16:40:58 CONC x504.03 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0147
Desv. Est.	.0052
% RSD	35.60
Rep #1	-0124
Rep #2	-0109
Rep #3	-0206
46	Unk: GISC15-25209 22/01/2016 16:47:23 CONC x165.56 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0039
Desv. Est.	.0024
% RSD	60.70
Rep #1	-0032
Rep #2	-0065
Rep #3	-0020

47	Unk: GISC15-25217 22/01/2016 16:47:33 CONC x123.46 DHg-160122: Hg1942:
Línea	194.227 {47
Unidades	mg/L
Media	-.0049
Desv. Est.	.0012
% RSD	24.98
Rep #1	-.0061
Rep #2	-.0048
Rep #3	-.0037
48	Unk: GISC15-25224 22/01/2016 16:49:06 CONC x194.55 DHg-160122: Hg1942:
Línea	194.227 {47
Unidades	mg/L
Media	-.0092
Desv. Est.	.0047
% RSD	51.20
Rep #1	-.0041
Rep #2	-.0133
Rep #3	-.0102
49	Unk: GISC15-25226 22/01/2016 16:49:41 CONC x269.11 DHg-160122: Hg1942:
Línea	194.227 {47
Unidades	mg/L
Media	-.0158
Desv. Est.	.0023
% RSD	14.55
Rep #1	-.0180
Rep #2	-.0134
Rep #3	-.0161
50	QC: PatrónQC 22/01/2016 16:51:03 CONC DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0050
Desv. Est.	.0004
% RSD	7.313
Rep #1	.0046
Rep #2	.0052
Rep #3	.0052
Comprobación	Pasa Comp
Valor	
Intervalo	
51	Unk: GISC15-25228 22/01/2016 16:52:51 CONC x23.306 DHg-160122: Hg1942:
Línea	194.227 {47
Unidades	mg/L
Media	-.0010
Desv. Est.	.0005
% RSD	45.55
Rep #1	-.0011
Rep #2	-.0005

Rep #3	-0014
52	Unk: GISC15-25230 22/01/2016 16:53:15 CONC x133.55 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0062
Desv. Est.	.0025
% RSD	39.65
Rep #1	-0086
Rep #2	-0037
Rep #3	-0064
53	Unk: GISC15-25662 22/01/2016 16:55:21 CONC x191.57 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0040
Desv. Est.	.0066
% RSD	164.6
Rep #1	.0028
Rep #2	-0045
Rep #3	-0104
54	Unk: GISC15-25663 22/01/2016 16:56:32 CONC x281.85 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0071
Desv. Est.	.0009
% RSD	12.86
Rep #1	-0064
Rep #2	-0067
Rep #3	-0081
55	Unk: GISC15-25665 22/01/2016 16:58:03 CONC x146.8 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0047
Desv. Est.	.0033
% RSD	70.90
Rep #1	-0012
Rep #2	-0049
Rep #3	-0078
56	Unk: GISC15-25668 22/01/2016 16:59:27 CONC x296.56 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0041
Desv. Est.	.0020
% RSD	49.03
Rep #1	-0031
Rep #2	-0064
Rep #3	-0027

57	Unk: GISC15-25669 22/01/2016 17:00:48 CONC x281.53 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0001
Desv. Est.	.0140
% RSD	14140.
Rep #1	-.0161
Rep #2	.0087
Rep #3	.0077
58	Unk: GISC15-25671 22/01/2016 17:02:04 CONC x154.61 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0049
Desv. Est.	.0017
% RSD	34.23
Rep #1	-.0029
Rep #2	-.0059
Rep #3	-.0057
59	Unk: GISC15-25673 22/01/2016 17:03:18 CONC x147.41 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0071
Desv. Est.	.0022
% RSD	30.30
Rep #1	-.0047
Rep #2	-.0080
Rep #3	-.0087
60	Unk: GISC15-25676 22/01/2016 17:04:42 CONC x122.61 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0044
Desv. Est.	.0026
% RSD	60.22
Rep #1	-.0050
Rep #2	-.0015
Rep #3	-.0066
61	QC: PatrónQC 22/01/2016 17:06:01 CONC DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0051
Desv. Est.	.0004
% RSD	7.222
Rep #1	.0046
Rep #2	.0053
Rep #3	.0053
Comprobación	Ninguno
Valor	

Intervalo	
62	Unk: GISC15-25677 22/01/2016 17:07:21 CONC x338.75 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0197
Desv. Est.	.0086
% RSD	43.62
Rep #1	-.0280
Rep #2	-.0201
Rep #3	-.0109
63	Unk: GISC15-25680 22/01/2016 17:08:40 CONC x59.88 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0031
Desv. Est.	.0005
% RSD	16.72
Rep #1	-.0032
Rep #2	-.0025
Rep #3	-.0035
64	Unk: GISC15-25698 22/01/2016 17:10:21 CONC x1012.1 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0525
Desv. Est.	.0052
% RSD	9.964
Rep #1	-.0465
Rep #2	-.0551
Rep #3	-.0560
65	Unk: GISC15-25702 22/01/2016 17:11:49 CONC x156.64 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0058
Desv. Est.	.0012
% RSD	20.81
Rep #1	-.0045
Rep #2	-.0061
Rep #3	-.0069
66	Unk: GISC15-25722 22/01/2016 17:13:03 CONC x144.76 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0074
Desv. Est.	.0024
% RSD	32.18
Rep #1	-.0101
Rep #2	-.0058
Rep #3	-.0063

67	Unk: GISC15-25734 22/01/2016 17:14:46 CONC x124.81 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0052
Desv. Est.	.0016
% RSD	30.17
Rep #1	-.0042
Rep #2	-.0044
Rep #3	-.0070
68	Unk: GISC15-25741 22/01/2016 17:16:34 CONC x86.118 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0039
Desv. Est.	.0010
% RSD	25.92
Rep #1	-.0036
Rep #2	-.0050
Rep #3	-.0030
69	Unk: GISC15-25748 22/01/2016 17:17:50 CONC x69.004 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0018
Desv. Est.	.0006
% RSD	33.26
Rep #1	-.0019
Rep #2	-.0012
Rep #3	-.0024
70	Unk: GISC15-25756 22/01/2016 17:19:06 CONC x50.485 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0014
Desv. Est.	.0002
% RSD	12.57
Rep #1	-.0012
Rep #2	-.0016
Rep #3	-.0014
71	Unk: GISC15-25757 22/01/2016 17:20:20 CONC x36.879 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0011
Desv. Est.	.0008
% RSD	69.48
Rep #1	-.0019
Rep #2	-.0011
Rep #3	-.0004
72	QC: PatrónQC 22/01/2016 17:22:15 CONC DHg-160122:

	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0051
Desv. Est.	.0003
% RSD	4.908
Rep #1	.0048
Rep #2	.0053
Rep #3	.0052
Comprobación	Ninguno
Valor	
Intervalo	
73	Unk: GISC15-25759 22/01/2016 17:23:25 CONC x84.631 Date: 100100 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0032
Desv. Est.	.0016
% RSD	49.82
Rep #1	-.0045
Rep #2	-.0014
Rep #3	-.0035
74	Unk: GISC15-25762 22/01/2016 17:24:50 CONC x84.147 Date: 100100 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0028
Desv. Est.	.0005
% RSD	17.91
Rep #1	-.0025
Rep #2	-.0034
Rep #3	-.0025
75	Unk: GISC15-25763 22/01/2016 17:26:03 CONC x99.8 Date: 100100 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0014
Desv. Est.	.0023
% RSD	167.1
Rep #1	.0003
Rep #2	-.0005
Rep #3	-.0041
76	Unk: GISC15-25765 22/01/2016 17:27:18 CONC x105.35 Date: 100100 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0040
Desv. Est.	.0011
% RSD	27.97
Rep #1	-.0027
Rep #2	-.0047
Rep #3	-.0046

77	Unk: GISC15-25767 22/01/2016 17:28:39 CONC x95.785 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0025
Desv. Est.	.0006
% RSD	25.45
Rep #1	-.0033
Rep #2	-.0021
Rep #3	-.0023
78	Unk: GISC15-25769 22/01/2016 17:29:57 CONC x41.254 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0014
Desv. Est.	.0005
% RSD	36.91
Rep #1	-.0018
Rep #2	-.0008
Rep #3	-.0016
79	Unk: GISC15-25771 22/01/2016 17:31:18 CONC x169.49 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0067
Desv. Est.	.0014
% RSD	20.76
Rep #1	-.0083
Rep #2	-.0057
Rep #3	-.0062
80	Unk: GISC15-25773 22/01/2016 17:32:31 CONC x98.155 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0031
Desv. Est.	.0003
% RSD	10.49
Rep #1	-.0034
Rep #2	-.0027
Rep #3	-.0031
81	Unk: GISC15-25775 22/01/2016 17:33:44 CONC x111.96 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0049
Desv. Est.	.0016
% RSD	32.79
Rep #1	-.0046
Rep #2	-.0035
Rep #3	-.0066
82	Unk: GISC15-25777 22/01/2016 17:34:58 CONC x151.33 Hg1942

	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0028
Desv. Est.	.0030
% RSD	108.3
Rep #1	-.0038
Rep #2	-.0051
Rep #3	.0006
83	QC: PatrónQC 22/01/2016 17:36:18 CONC DHg-160122:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0052
Desv. Est.	.0002
% RSD	4.593
Rep #1	.0050
Rep #2	.0053
Rep #3	.0054
Comprobación	Ninguno
Valor	
Intervalo	
84	Unk: GISC15-25779 22/01/2016 17:38:41 CONC x123.46 DHg-160122:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0042
Desv. Est.	.0028
% RSD	67.40
Rep #1	-.0015
Rep #2	-.0071
Rep #3	-.0039
85	Unk: GISC15-25781 22/01/2016 17:39:32 CONC x200.32 DHg-160122:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0154
Desv. Est.	.0030
% RSD	19.63
Rep #1	-.0122
Rep #2	-.0157
Rep #3	-.0182
86	Unk: GISC15-25796 22/01/2016 17:40:53 CONC x100 DHg-160122:
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0111
Desv. Est.	.0016
% RSD	14.73
Rep #1	-.0129
Rep #2	-.0100
Rep #3	-.0103

87	Unk: GISC15-25797 22/01/2016 17:42:09 CONC x100 G15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0093
Desv. Est.	.0004
% RSD	4.482
Rep #1	-.0096
Rep #2	-.0089
Rep #3	-.0096
88	Unk: GISC15-25801 22/01/2016 17:43:23 CONC x100 G15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0102
Desv. Est.	.0019
% RSD	18.61
Rep #1	-.0103
Rep #2	-.0121
Rep #3	-.0083
89	Unk: GISC15-25803 22/01/2016 17:44:36 CONC x28.62 G15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0027
Desv. Est.	.0007
% RSD	26.08
Rep #1	-.0028
Rep #2	-.0033
Rep #3	-.0019
90	Unk: GISC15-25857 22/01/2016 17:45:57 CONC x100 G15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0037
Desv. Est.	.0030
% RSD	80.62
Rep #1	-.0009
Rep #2	-.0034
Rep #3	-.0068
91	Unk: GISC15-25860 22/01/2016 17:47:11 CONC x48.225 G15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0023
Desv. Est.	.0020
% RSD	89.50
Rep #1	-.0037
Rep #2	.0000
Rep #3	-.0031
92	Unk: GISC15-25820 22/01/2016 17:48:29 CONC x117.98 G15-160120

	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0036
Desv. Est.	.0003
% RSD	7.076
Rep #1	-.0033
Rep #2	-.0037
Rep #3	-.0037
93	Unk: GISC15-25827 22/01/2016 17:50:31 CONC x285.39 Dil: 100100. Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0107
Desv. Est.	.0020
% RSD	18.49
Rep #1	-.0084
Rep #2	-.0117
Rep #3	-.0119
94	QC: PatrónQC 22/01/2016 17:51:40 CONC DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0050
Desv. Est.	.0004
% RSD	8.300
Rep #1	.0045
Rep #2	.0053
Rep #3	.0053
Comprobación	Ninguno
Valor	
Intervalo	
95	Unk: GISC15-25835 22/01/2016 17:52:50 CONC x114.78 Dil: 100100. Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0046
Desv. Est.	.0024
% RSD	52.09
Rep #1	-.0035
Rep #2	-.0029
Rep #3	-.0073
96	Unk: GISC15-25844 22/01/2016 17:54:22 CONC x95.057 Dil: 100100. Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0056
Desv. Est.	.0005
% RSD	8.103
Rep #1	-.0051
Rep #2	-.0059
Rep #3	-.0059

97	Unk: GISC15-25870 22/01/2016 17:55:35 CONC x106.7 D15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0070
Desv. Est.	.0011
% RSD	16.35
Rep #1	-.0070
Rep #2	-.0082
Rep #3	-.0059
98	Unk: GISC15-25935 22/01/2016 17:56:57 CONC x79.592 D15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0057
Desv. Est.	.0014
% RSD	24.78
Rep #1	-.0058
Rep #2	-.0070
Rep #3	-.0042
99	Unk: GISC15-25951 22/01/2016 17:58:11 CONC x301.57 D15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0145
Desv. Est.	.0046
% RSD	31.38
Rep #1	-.0093
Rep #2	-.0174
Rep #3	-.0169
100	Unk: GISC15-25981 22/01/2016 18:00:02 CONC x38.676 D15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0013
Desv. Est.	.0005
% RSD	38.02
Rep #1	-.0017
Rep #2	-.0014
Rep #3	-.0008
101	Unk: GISC15-25985 22/01/2016 18:01:12 CONC x28.068 D15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0006
Desv. Est.	.0006
% RSD	94.18
Rep #1	-.0002
Rep #2	-.0003
Rep #3	-.0013
102	Unk: GISC15-25993 22/01/2016 18:03:04 CONC x118.43 D15-160120

	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0062
Desv. Est.	.0003
% RSD	5.332
Rep #1	-.0066
Rep #2	-.0059
Rep #3	-.0061
103	Unk: GISC15-26001 22/01/2016 18:03:20 CONC x335.57 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0098
Desv. Est.	.0035
% RSD	35.22
Rep #1	-.0104
Rep #2	-.0061
Rep #3	-.0129
104	Unk: GISC15-26499 22/01/2016 18:05:03 CONC x257.2 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0070
Desv. Est.	.0052
% RSD	74.40
Rep #1	-.0048
Rep #2	-.0033
Rep #3	-.0130
105	QC: PatrónQC 22/01/2016 18:06:22 CONC DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0048
Desv. Est.	.0005
% RSD	9.568
Rep #1	.0042
Rep #2	.0050
Rep #3	.0051
Comprobación	Ninguno
Valor	
Intervalo	
106	Unk: GISC15-26514 22/01/2016 18:07:09 CONC x149.97 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0064
Desv. Est.	.0028
% RSD	43.20
Rep #1	-.0093
Rep #2	-.0038
Rep #3	-.0060

107	Unk: GISC15-26526 22/01/2016 18:08:53 CONC x57.737 D15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0001
Desv. Est.	.0006
% RSD	555.5
Rep #1	-.0002
Rep #2	.0006
Rep #3	-.0006
108	Unk: GISC15-26539 22/01/2016 18:10:07 CONC x498.01 D15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0003
Desv. Est.	.0083
% RSD	3062.
Rep #1	-.0033
Rep #2	-.0056
Rep #3	.0097
109	Unk: GISC15-26542 22/01/2016 18:11:21 CONC x1908.4 D15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0536
Desv. Est.	.0478
% RSD	89.05
Rep #1	-.0895
Rep #2	-.0720
Rep #3	.0006
110	Unk: GISC15-26543 22/01/2016 18:12:36 CONC x358.17 D15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0069
Desv. Est.	.0125
% RSD	182.2
Rep #1	-.0113
Rep #2	.0073
Rep #3	-.0165
111	Unk: GISC15-26547 22/01/2016 18:13:51 CONC x36.641 D15-160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0022
Desv. Est.	.0012
% RSD	51.96
Rep #1	-.0009
Rep #2	-.0027
Rep #3	-.0031
112	Unk: GISC15-26548 22/01/2016 18:15:05 CONC x157.93 D15-160120

	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0006
Desv. Est.	.0027
% RSD	437.2
Rep #1	.0020
Rep #2	-.0004
Rep #3	-.0034
113	Unk: GISC15-26550 22/01/2016 18:16:03 CONC x1893.9 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	9.341
Desv. Est.	.141
% RSD	1.507
Rep #1	9.179
Rep #2	9.436
Rep #3	9.407
114	Unk: GISC15-26552 22/01/2016 18:16:26 CONC x271.44 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0067
Desv. Est.	.0135
% RSD	201.3
Rep #1	.0069
Rep #2	-.0069
Rep #3	-.0202
115	QC: PatrónQC 22/01/2016 18:17:06 CONC DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0050
Desv. Est.	.0000
% RSD	.5579
Rep #1	.0050
Rep #2	.0050
Rep #3	.0050
Comprobación	Pasa Comp
Valor	
Intervalo	
116	Unk: GISC15-26553 22/01/2016 18:17:40 CONC x289.02 DHg-160122: Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0037
Desv. Est.	.0026
% RSD	68.81
Rep #1	-.0018
Rep #2	-.0027
Rep #3	-.0066

117	Unk: GISC15-26555 22/01/2016 18:18:55 CONC x135.5 DU: 160100 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0.0036
Desv. Est.	.0014
% RSD	39.54
Rep #1	-0.0036
Rep #2	-0.0051
Rep #3	-0.0022
118	Unk: GISC15-26558 22/01/2016 18:21:39 CONC x328.95 DU: 160100 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0.0214
Desv. Est.	.0037
% RSD	17.11
Rep #1	-0.0234
Rep #2	-0.0235
Rep #3	-0.0171
119	Unk: GISC15-26560 22/01/2016 18:23:03 CONC x263.44 DU: 160100 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0.0107
Desv. Est.	.0059
% RSD	55.14
Rep #1	-0.0045
Rep #2	-0.0114
Rep #3	-0.0163
120	Unk: GISC15-23716 22/01/2016 18:24:15 CONC x245.58 DU: 160100 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0.0096
Desv. Est.	.0051
% RSD	53.05
Rep #1	-0.0057
Rep #2	-0.0078
Rep #3	-0.0154
121	Unk: GISC15-23719 22/01/2016 18:27:38 CONC x125.94 DU: 160100 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-0.0058
Desv. Est.	.0021
% RSD	35.46
Rep #1	-0.0036
Rep #2	-0.0061
Rep #3	-0.0077
122	Unk: GISC15-23720 22/01/2016 18:29:01 CONC x207.3 DU: 160100

	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0059
Desv. Est.	.0035
% RSD	60.22
Rep #1	-.0080
Rep #2	-.0078
Rep #3	-.0018
123	Unk: GISC15-23722 22/01/2016 18:29:24 CONC x134.77 FILE 160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0035
Desv. Est.	.0040
% RSD	113.5
Rep #1	-.0074
Rep #2	-.0037
Rep #3	.0006
124	Unk: GISC15-23724 22/01/2016 18:31:43 CONC x158.33 FILE 160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0053
Desv. Est.	.0013
% RSD	23.62
Rep #1	-.0061
Rep #2	-.0060
Rep #3	-.0039
125	Unk: GISC15-23791 22/01/2016 18:32:46 CONC x228.94 FILE 160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0162
Desv. Est.	.0234
% RSD	144.6
Rep #1	.0106
Rep #2	-.0266
Rep #3	-.0325
126	Unk: GISC15-24201 22/01/2016 18:34:04 CONC x262.33 FILE 160120 Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	-.0118
Desv. Est.	.0088
% RSD	74.36
Rep #1	-.0140
Rep #2	-.0193
Rep #3	-.0021
127	Unk: GISC15-24343 22/01/2016 18:35:42 CONC x182.35 FILE 160120 Hg1942
Línea	194.227 {47

Unidades	mg/L
Media	-.0095
Desv. Est.	.0062
% RSD	64.58
Rep #1	-.0063
Rep #2	-.0166
Rep #3	-.0057
128	QC: PatrónQC 22/01/2016 18:36:49 CONC DHg-160122: •
	Hg1942
Línea	194.227 {47
Unidades	mg/L
Media	.0047
Desv. Est.	.0001
% RSD	2.580
Rep #1	.0045
Rep #2	.0047
Rep #3	.0047
Comprobación	Ninguno
Valor	
Intervalo	