

US EPA Tune Check Sample Report

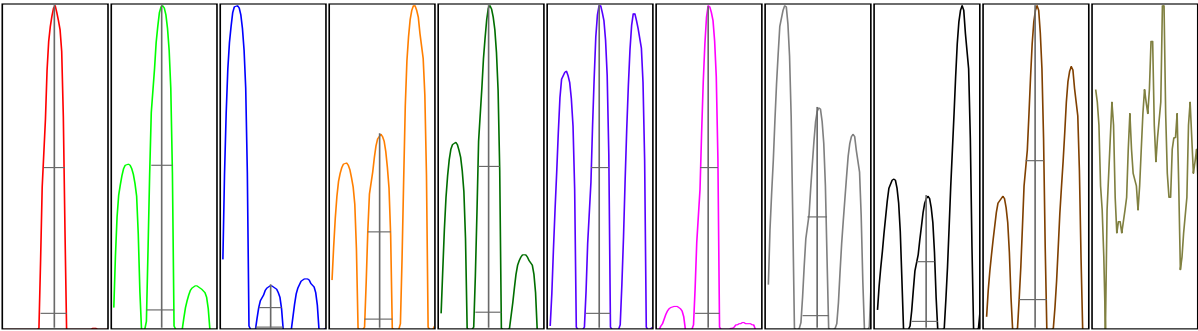
Batch Folder D:\ICP-MS Data\P7060617 .b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	103805	1.40	5.00	
24	1503584	1.44	5.00	
25	202457	1.45	5.00	
26	236432	1.44	5.00	
59	1069876	1.52	5.00	
113	147243	1.70	5.00	
115	1999428	1.22	5.00	
206	406105	1.41	5.00	
207	362955	1.39	5.00	
208	876877	1.63	5.00	
220	9	33.74		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	101572	105000	105204	103734	103513
24	1468812	1522061	1521787	1501817	1503445
25	197497	204154	205039	202530	203066
26	230966	239035	239493	236047	236620
59	1041543	1081716	1079470	1072061	1074590
113	143057	149537	148661	147208	147752
115	1958497	2018068	2014849	1995491	2010232
206	396072	407959	410665	407423	408406
207	354749	365828	367713	361977	364510
208	854120	884581	891609	873743	880333
220	7	11	10	6	13

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	17779	9.00	8.9 - 9.1		0.780	0.900	
24	246936	23.95	23.9 - 24.1		0.786	0.900	
25	33133	24.95	24.9 - 25.1		0.786	0.900	
26	38798	25.95	25.9 - 26.1		0.785	0.900	
59	183053	58.95	58.9 - 59.1		0.780	0.900	
113	28075	113.00	112.9 - 113.1		0.727	0.900	
115	384206	115.00	114.9 - 115.1		0.730	0.900	
206	78150	206.00	205.9 - 206.1		0.776	0.900	
207	69076	207.00	206.9 - 207.1		0.771	0.900	
208	167943	208.00	207.9 - 208.1		0.781	0.900	
220			-				

X% = 5 Integration Time [sec] = 0.1 Acquisition Time [sec] = 268 Y Axis = Linear

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.80	L/min			
RF Matching	1.80	V	Option Gas	0.0	%			
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rps			
S/C Temp	2	°C						

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	8.7	V			
Extract 2	-180.0	V	Cell Entrance	-30	V			
Omega Bias	-85	V	Cell Exit	-50	V			
Deflect	13.2	V						

Cell Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Use Gas	false		OctP Bias	-8.0	V			
He Flow	0.0	mL/min	OctP RF	180	V			
Energy Discrimination	5.0	V						

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	265942	0.38	
89	66586	0.12	
205	376193	0.20	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	265851	266938	265673	266824	264426
89	66597	66459	66606	66672	66594
205	377117	376345	375923	375082	376499

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.80	L/min			
RF Matching	1.80	V	Option Gas	0.0	%			
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rps			
S/C Temp	2	°C						

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	9.0	V			
Extract 2	-200.0	V	Cell Entrance	-40	V			
Omega Bias	-95	V	Cell Exit	-60	V			
Deflect	2.2	V						

Cell Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Use Gas	true		OctP Bias	-18.0	V			
He Flow	4.1	mL/min	OctP RF	200	V			
Energy Discrimination	5.0	V						