

US EPA Tune Check Sample Report

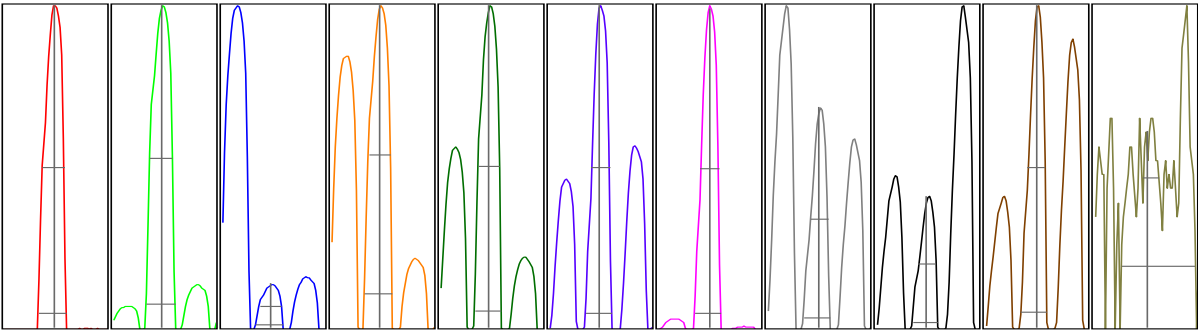
Batch Folder D:\ICP-MS Data\P7012517.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	20493	1.16	5.00	
24	4224963	1.16	5.00	
25	575992	1.04	5.00	
26	671012	1.16	5.00	
59	432064	1.24	5.00	
113	93998	0.50	5.00	
115	1639641	0.90	5.00	
206	127945	2.06	5.00	
207	111085	1.55	5.00	
208	269478	1.41	5.00	
220	6	17.68		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	20269	20317	20452	20868	20557
24	4143475	4221467	4262427	4234965	4262482
25	565404	577436	578242	578831	580047
26	658375	670052	674119	673259	679254
59	424128	429815	433543	434479	438354
113	93190	94122	94223	94063	94389
115	1623265	1630367	1634908	1651205	1658462
206	124429	126228	128305	130904	129860
207	108713	110267	111051	112274	113121
208	263426	268255	270981	271784	272945
220	8	5	5	6	7

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	3496	9.00	8.9 - 9.1		0.822	0.900	
24	677319	23.95	23.9 - 24.1		0.845	0.900	
25	92659	24.95	24.9 - 25.1		0.792	0.900	
26	109687	25.95	25.9 - 26.1		0.803	0.900	
59	73612	58.95	58.9 - 59.1		0.781	0.900	
113	18161	113.00	112.9 - 113.1		0.764	0.900	
115	316013	115.05	114.9 - 115.1		0.764	0.900	
206	25466	206.05	205.9 - 206.1		0.779	0.900	
207	21816	207.00	206.9 - 207.1		0.737	0.900	
208	53598	208.05	207.9 - 208.1		0.744	0.900	
220	1	220.10	-		2.130		

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	10.0	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	7.3	V			
Extract 2	-185.0	V	Cell Entrance	-30	V			
Omega Bias	-80	V	Cell Exit	-50	V			
Deflect	14.2	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	131247	0.52	
89	12447	2.02	
205	134052	0.53	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	132359	130872	131326	131113	130568
89	12846	12388	12512	12285	12204
205	134887	133994	133390	134659	133332

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	10.0	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	8.3	V			
Extract 2	-200.0	V	Cell Entrance	-40	V			
Omega Bias	-95	V	Cell Exit	-60	V			
Deflect	2.6	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						