

US EPA Tune Check Sample Report

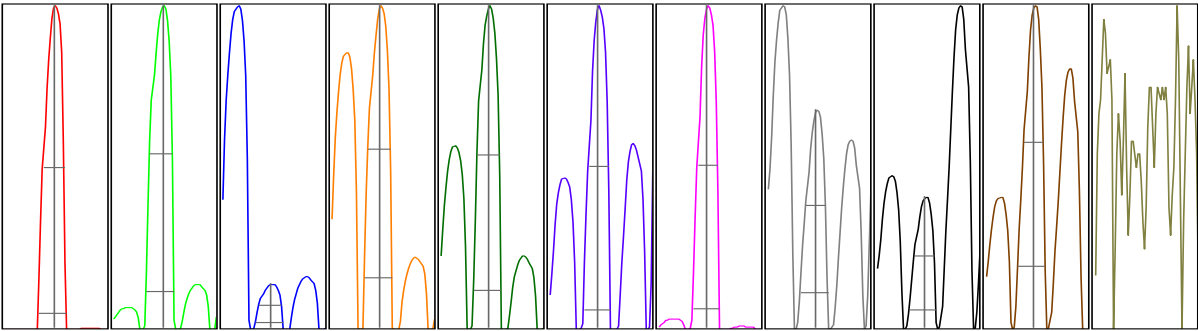
Batch Folder D:\ICP-MS Data\P7012317.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	25219	1.07	5.00	
24	4676805	0.66	5.00	
25	655898	1.42	5.00	
26	750108	1.77	5.00	
59	488339	1.11	5.00	
113	111565	0.97	5.00	
115	1923083	1.18	5.00	
206	166050	1.48	5.00	
207	156046	1.31	5.00	
208	352606	1.64	5.00	
220	7	17.71		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	24992	25409	24899	25530	25265
24	4653871	4677371	4657878	4729581	4665323
25	645086	653253	650465	662632	668055
26	734530	741660	746707	764127	763515
59	482977	487149	483630	492984	494955
113	109859	111774	111489	111836	112864
115	1887613	1919835	1923404	1937017	1947544
206	163000	166132	164352	167603	169161
207	153391	155867	155561	156314	159098
208	344116	352801	350513	356570	359028
220	6	7	6	8	9

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	4331	9.00	8.9 - 9.1		0.822	0.900	
24	743050	24.00	23.9 - 24.1		0.808	0.900	
25	103275	24.95	24.9 - 25.1		0.800	0.900	
26	121056	25.95	25.9 - 26.1		0.798	0.900	
59	79292	58.95	58.9 - 59.1		0.799	0.900	
113	19596	112.95	112.9 - 113.1		0.783	0.900	
115	337733	114.95	114.9 - 115.1		0.781	0.900	
206	28516	205.95	205.9 - 206.1		0.797	0.900	
207	24584	206.95	206.9 - 207.1		0.775	0.900	
208	60187	207.95	207.9 - 208.1		0.794	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	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	-195.0	V	Cell Entrance	-30	V			
Omega Bias	-85	V	Cell Exit	-50	V			
Deflect	14.0	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	170	V			
Energy Discrimination	5.0	V						

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	148004	0.56	
89	9758	0.79	
205	181374	0.47	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	148869	148186	146698	147808	148462
89	9858	9826	9718	9698	9692
205	182536	180417	181491	181766	180662

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	7.2	V			
Extract 2	-200.0	V	Cell Entrance	-40	V			
Omega Bias	-95	V	Cell Exit	-60	V			
Deflect	2.8	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						