

US EPA Tune Check Sample Report

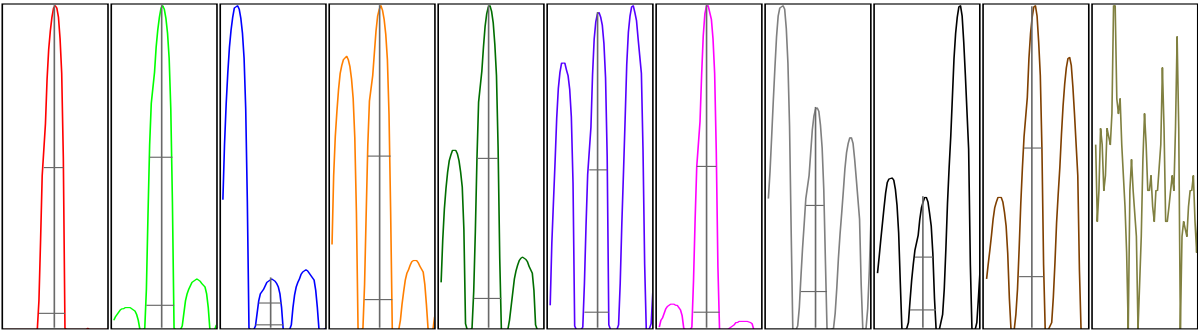
Batch Folder D:\ICP-MS Data\P7010317.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	22907	1.16	5.00	
24	4227595	0.78	5.00	
25	661384	0.77	5.00	
26	769427	1.01	5.00	
59	532636	1.10	5.00	
113	70539	0.43	5.00	
115	939865	0.42	5.00	
206	209685	1.25	5.00	
207	191794	1.23	5.00	
208	442492	1.13	5.00	
220	5	31.77		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	22629	22812	23091	22733	23269
24	4186852	4207787	4249808	4223774	4269753
25	654379	657865	663634	664080	666964
26	758441	766168	772905	770357	779264
59	523015	532042	533931	535728	538466
113	70030	70658	70506	70693	70809
115	945638	940109	935910	936600	941068
206	206264	207813	210128	212382	211838
207	188323	190461	192839	193202	194144
208	437935	436640	443650	447000	447235
220	4	6	7	5	3

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	4038	9.00	8.9 - 9.1		0.768	0.900	
24	694768	23.95	23.9 - 24.1		0.812	0.900	
25	107468	24.95	24.9 - 25.1		0.788	0.900	
26	127569	25.95	25.9 - 26.1		0.805	0.900	
59	91968	58.95	58.9 - 59.1		0.788	0.900	
113	13196	112.95	112.9 - 113.1		0.730	0.900	
115	175663	114.95	114.9 - 115.1		0.770	0.900	
206	38849	205.95	205.9 - 206.1		0.746	0.900	
207	33681	206.90	206.9 - 207.1		0.737	0.900	
208	82689	207.90	207.9 - 208.1		0.745	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	7.2	V			
Extract 2	-165.0	V	Cell Entrance	-30	V			
Omega Bias	-75	V	Cell Exit	-50	V			
Deflect	14.6	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	156536	0.23	
89	13764	1.05	
205	206944	0.44	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	156402	157081	156528	156585	156081
89	13793	13915	13787	13804	13523
205	206769	208026	207688	206451	205786

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	7.6	V			
Extract 2	-165.0	V	Cell Entrance	-40	V			
Omega Bias	-75	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						