

US EPA Tune Check Sample Report

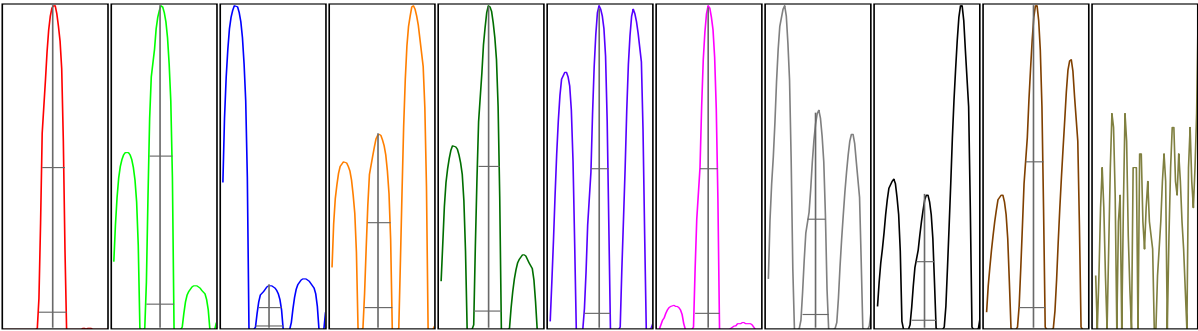
Batch Folder D:\ICP-MS Data\P7051917-MS.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	92494	1.75	5.00	
24	1448826	1.58	5.00	
25	195109	1.40	5.00	
26	232598	1.52	5.00	
59	1021701	1.62	5.00	
113	145044	1.60	5.00	
115	2014704	1.50	5.00	
206	413126	1.42	5.00	
207	364734	0.93	5.00	
208	882302	1.34	5.00	
220	4	38.53		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	90039	93250	92266	92465	94451
24	1417395	1469884	1442836	1441193	1472824
25	191670	197484	194699	193496	198197
26	227671	236331	231859	231384	235745
59	998512	1036950	1018530	1015857	1038658
113	142130	147147	143768	144523	147651
115	1976156	2037780	1997708	2010407	2051469
206	404685	419992	411496	412313	417142
207	360164	367056	363446	364105	368901
208	862791	886819	882203	885155	894540
220	3	4	3	4	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	15378	8.95	8.9 - 9.1		0.813	0.900	
24	228719	23.90	23.9 - 24.1		0.815	0.900	
25	30687	24.90	24.9 - 25.1		0.789	0.900	
26	35863	25.90	25.9 - 26.1		0.807	0.900	
59	171663	58.95	58.9 - 59.1		0.784	0.900	
113	28179	113.00	112.9 - 113.1		0.752	0.900	
115	383577	115.00	114.9 - 115.1		0.732	0.900	
206	81112	205.95	205.9 - 206.1		0.770	0.900	
207	73244	206.95	206.9 - 207.1		0.729	0.900	
208	176988	207.95	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	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	9.1	V			
Extract 2	-185.0	V	Cell Entrance	-30	V			
Omega Bias	-85	V	Cell Exit	-50	V			
Deflect	13.8	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	200	V			
Energy Discrimination	5.0	V						

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	282543	0.73	
89	69985	1.00	
205	345400	0.94	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	284133	284058	283743	281265	279518
89	70525	70499	70344	69637	68919
205	348307	346018	348457	343252	340968

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	9.2	V			
Extract 2	-190.0	V	Cell Entrance	-40	V			
Omega Bias	-95	V	Cell Exit	-60	V			
Deflect	2.0	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						