

US EPA Tune Check Sample Report

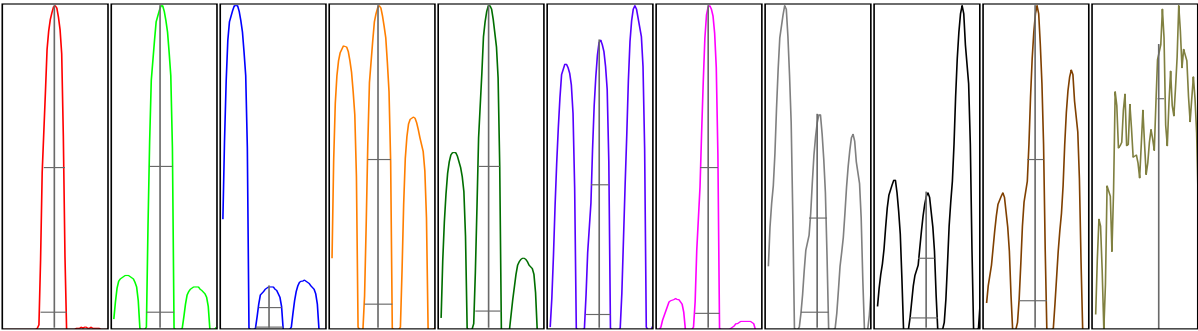
Batch Folder D:\ICP-MS Data\P7081019IMS.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	6674	0.87	5.00	
24	185937	0.56	5.00	
25	24598	0.99	5.00	
26	27695	0.94	5.00	
59	43068	1.15	5.00	
113	5615	1.42	5.00	
115	66068	1.30	5.00	
206	13008	0.66	5.00	
207	12031	0.70	5.00	
208	28069	0.81	5.00	
220	74	2.49		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	6709	6724	6681	6679	6576
24	186782	186807	186114	185727	184254
25	24872	24833	24485	24494	24305
26	27870	27950	27675	27703	27278
59	43544	43607	42872	42862	42456
113	5681	5694	5636	5553	5513
115	66947	66861	66064	65516	64952
206	13130	13050	12998	12926	12933
207	12094	12114	12029	12019	11900
208	28387	28074	28135	27987	27763
220	75	75	75	74	71

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	11324	9.00	8.9 - 9.1		0.780	0.900	
24	290662	23.90	23.9 - 24.1		0.788	0.900	
25	38481	24.90	24.9 - 25.1		0.788	0.900	
26	44015	25.90	25.9 - 26.1		0.806	0.900	
59	72005	58.95	58.9 - 59.1		0.781	0.900	
113	10671	113.00	112.9 - 113.1		0.726	0.900	
115	126724	115.00	114.9 - 115.1		0.718	0.900	
206	26017	206.00	205.9 - 206.1		0.784	0.900	
207	23721	207.00	206.9 - 207.1		0.783	0.900	
208	56228	208.00	207.9 - 208.1		0.786	0.900	
220	78	220.40	-				

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	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rpm	Makeup/Dilution Gas		0.37 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	6.6	V	Deflect	14.4	V
Extract 2	-75.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-42	V	Cell Exit	-50	V			

Cell Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Use Gas	No		OctP Bias	-8.0	V	Energy Discrimination		5.0 V
He Flow	0.0	mL/min	OctP RF	140	V			

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	10348	0.69	
89	21329	0.38	
205	14167	0.56	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	10293	10408	10430	10342	10265
89	21287	21335	21467	21291	21263
205	14152	14169	14291	14150	14072

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	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rpm	Makeup/Dilution Gas		0.37 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	7.6	V	Deflect	1.8	V
Extract 2	-90.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-45	V	Cell Exit	-60	V			

Cell Parameters

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