

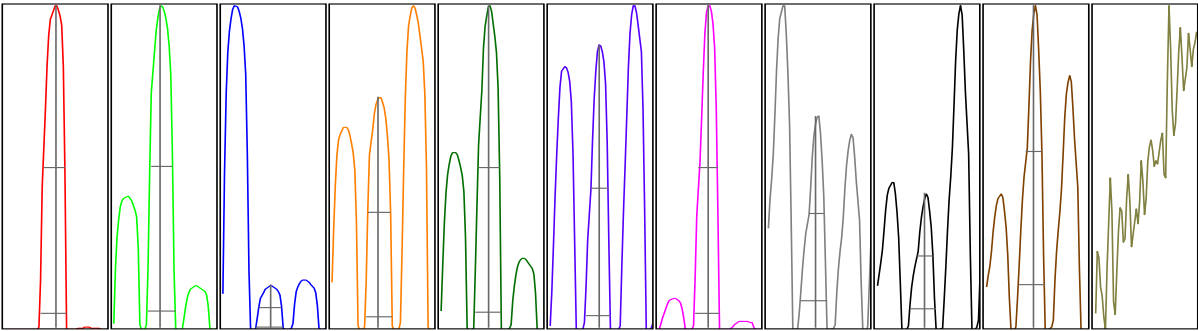
US EPA Tune Check Sample Report

Batch Folder D:\ICP-MS Data\P7080119IMS.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]				
Mass	Count	RSD%	RSD%	RSD%
	(Mean)	(Actual)	(Required)	(Flag)
9	10602	1.78	5.00	
24	148985	1.54	5.00	
25	20002	1.61	5.00	
26	22688	1.71	5.00	
59	84753	1.59	5.00	
113	11514	1.40	5.00	
115	139026	1.63	5.00	
206	31647	1.72	5.00	
207	30122	1.74	5.00	
208	68100	1.61	5.00	
220	129	7.18		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	10575	10604	10541	10903	10385
24	148242	149614	148367	152471	146232
25	19902	20067	19909	20503	19630
26	22526	22787	22608	23284	22233
59	84207	84912	84546	86882	83220
113	11461	11484	11525	11771	11330
115	138344	139155	138154	142753	136721
206	31415	31727	31455	32536	31100
207	29850	30196	29908	30992	29662
208	67510	67988	67706	70010	67284
220	118	133	139	134	121

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	17322	9.05	8.9 - 9.1		0.779	0.900	
24	239915	23.90	23.9 - 24.1		0.822	0.900	
25	31960	24.95	24.9 - 25.1		0.787	0.900	
26	36717	25.90	25.9 - 26.1		0.785	0.900	
59	144500	58.95	58.9 - 59.1		0.781	0.900	
113	22509	113.00	112.9 - 113.1		0.732	0.900	
115	269172	115.00	114.9 - 115.1		0.729	0.900	
206	63104	205.95	205.9 - 206.1		0.754	0.900	
207	58144	206.95	206.9 - 207.1		0.730	0.900	
208	139397	207.95	207.9 - 208.1		0.747	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	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	7.5	V	Deflect	13.6	V
Extract 2	-105.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-50	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	150	V			

[He]

Mass	Count	RSD%	RSD%
	(Mean)	(Actual)	(Required)
59	20940	0.45	
89	39296	0.29	
205	28442	0.60	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	21004	21061	20816	20904	20914
89	39372	39436	39177	39317	39179
205	28435	28481	28159	28533	28603

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	7.3	V	Deflect	2.2	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			