

US EPA Tune Check Sample Report

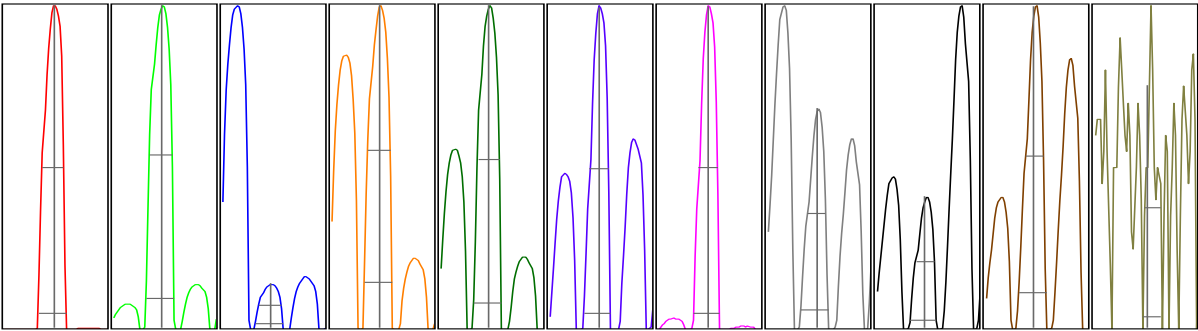
Batch Folder D:\ICP-MS Data\P7012817-ICPMS.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	48550	0.99	5.00	
24	7924836	0.73	5.00	
25	1095455	0.71	5.00	
26	1267705	0.82	5.00	
59	843405	0.81	5.00	
113	162397	1.10	5.00	
115	2810524	0.76	5.00	
206	233639	0.95	5.00	
207	208862	0.88	5.00	
208	495134	0.66	5.00	
220	5	33.38		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	47988	48425	49026	49074	48236
24	7892659	7898188	7998310	7972090	7862931
25	1087055	1096536	1106591	1097799	1089293
26	1252946	1267658	1279686	1274678	1263559
59	831791	846059	849092	846976	843108
113	159466	163526	163471	163607	161915
115	2773625	2814881	2828781	2819440	2815893
206	230751	232880	236934	233954	233677
207	206555	207992	210970	210523	208269
208	492649	492987	496721	500196	493117
220	5	3	5	8	5

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	8168	9.00	8.9 - 9.1		0.823	0.900	
24	1256691	23.95	23.9 - 24.1		0.811	0.900	
25	172844	24.95	24.9 - 25.1		0.799	0.900	
26	204029	25.95	25.9 - 26.1		0.801	0.900	
59	139301	58.95	58.9 - 59.1		0.798	0.900	
113	30077	113.00	112.9 - 113.1		0.770	0.900	
115	525433	115.00	114.9 - 115.1		0.738	0.900	
206	43951	206.00	205.9 - 206.1		0.791	0.900	
207	37984	206.95	206.9 - 207.1		0.743	0.900	
208	92847	207.95	207.9 - 208.1		0.787	0.900	
220	1	220.10	-		0.540		

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	7.8	V			
Extract 2	-190.0	V	Cell Entrance	-30	V			
Omega Bias	-80	V	Cell Exit	-50	V			
Deflect	14.4	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	150	V			
Energy Discrimination	5.0	V						

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	256020	0.32	
89	20491	0.69	
205	277563	0.31	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	255637	255385	256719	255303	257056
89	20526	20684	20537	20381	20327
205	276670	278821	277363	276947	278014

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	8.3	V			
Extract 2	-195.0	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						