

US EPA Tune Check Sample Report

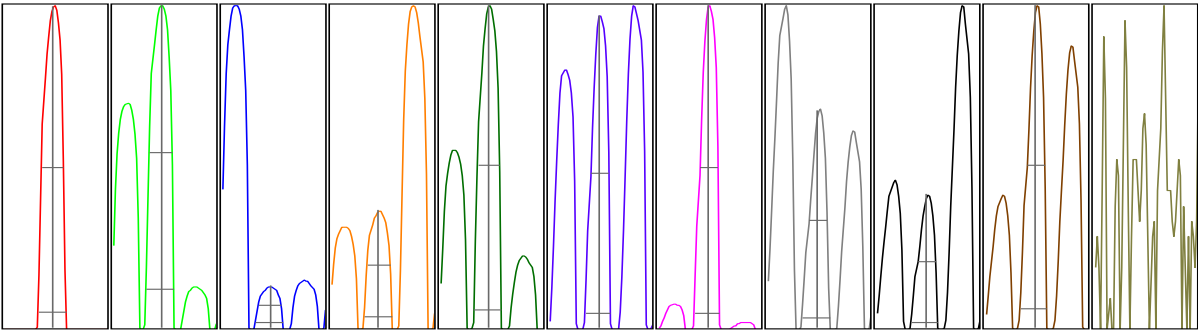
Batch Folder D:\ICP-MS Data\P7070617.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	9073	0.72	5.00	
24	88327	0.62	5.00	
25	11658	0.64	5.00	
26	13748	0.64	5.00	
59	104677	0.70	5.00	
113	13819	0.72	5.00	
115	184319	1.50	5.00	
206	43347	1.06	5.00	
207	39058	0.81	5.00	
208	94015	0.78	5.00	
220	0	22.06		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	8964	9081	9134	9076	9107
24	87743	88565	88255	87946	89125
25	11576	11718	11641	11604	11752
26	13633	13796	13742	13703	13865
59	103406	104797	104817	105240	105125
113	13922	13884	13852	13759	13676
115	188320	185342	183910	183193	180830
206	42632	43340	43843	43630	43292
207	38535	38993	39190	39332	39241
208	92762	94076	94221	94619	94397
220	0	0	0	1	1

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	15020	8.95	8.9 - 9.1		0.821	0.900	
24	137660	23.95	23.9 - 24.1		0.806	0.900	
25	18058	24.95	24.9 - 25.1		0.800	0.900	
26	20810	25.90	25.9 - 26.1		0.812	0.900	
59	172439	58.95	58.9 - 59.1		0.786	0.900	
113	25824	113.00	112.9 - 113.1		0.737	0.900	
115	344484	115.00	114.9 - 115.1		0.734	0.900	
206	81791	206.00	205.9 - 206.1		0.814	0.900	
207	74427	207.00	206.9 - 207.1		0.773	0.900	
208	179673	208.00	207.9 - 208.1		0.772	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	8.9	V	Deflect	14.4	V
Extract 2	-150.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-70	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	190	V			

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	25265	0.99	
89	1283	3.23	
205	38806	0.89	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	25058	25086	25102	25520	25557
89	1345	1303	1266	1258	1242
205	38624	38631	38452	39294	39029

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	10.0	V	Deflect	1.8	V
Extract 2	-150.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-70	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			