

US EPA Tune Check Report

Operator Name

Jaswal

Acq/Data Batch

D:\Agilent\ICPMH\1\DATA\P7051424-PT.b

Acq. Date-Time

2024-05-14 08:53:57

Report Comment

Instrument Name

G8403A JP14410463

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		7434	74341.45			0.264	5.000
24		63599	635986.00			2.136	5.000
25		8265	82646.87			0.894	5.000
26		9997	99970.77			0.885	5.000
59		66416	664160.66			0.667	5.000
113		9461	94605.95			0.541	5.000
115		116602	1166023.14			0.322	5.000
206		29161	291606.48			0.317	5.000
207		26703	267031.92			0.438	5.000
208		63377	633771.75			0.608	5.000
220		0	1.20			47.507	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

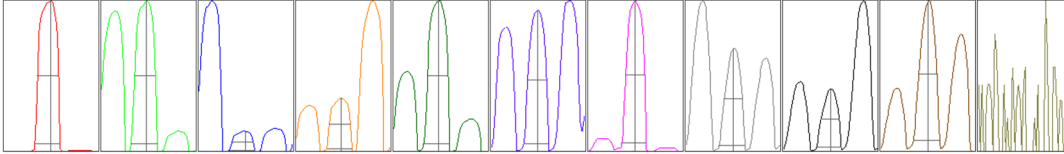
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	7422	7464	7416	7445	7424
24	62182	62759	65747	63493	63812
25	8151	8234	8289	8325	8324
26	9853	9975	10031	10073	10054
59	65726	66280	66534	66658	66883
113	9402	9451	9474	9436	9539
115	116438	117212	116199	116624	116538
206	29056	29077	29215	29182	29273
207	26585	26571	26750	26788	26821
208	62955	63109	63712	63265	63845

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Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	0	0	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	11558.19	9.00	8.90 - 9.10	
24	100255.31	23.95	23.90 - 24.10	
25	12930.64	25.00	24.90 - 25.10	
26	15068.01	25.95	25.90 - 26.10	
59	105785.78	58.95	58.90 - 59.10	
113	16500.90	113.00	112.90 - 113.10	
115	203212.43	115.00	114.90 - 115.10	
206	53169.49	206.05	205.90 - 206.10	
207	48089.97	207.05	206.90 - 207.10	
208	114976.58	208.05	207.90 - 208.10	
220	0.00	219.70	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.67	0.788	0.900	
24	0.66	0.828	0.900	
25	0.66	0.797	0.900	
26	0.67	0.794	0.900	
59	0.65	0.811	0.900	
113	0.59	0.787	0.900	
115	0.59	0.770	0.900	
206	0.56	0.816	0.900	
207	0.57	0.774	0.900	
208	0.56	0.830	0.900	
220	0.35	0.350		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.82 L/min Dilution Gas 0.40 L/min

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RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.1 V	Deflect	15.0 V
Extract 2	-120.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-65 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	180 V		

QP Parameters

Mass Gain	134	Axis Gain	0.9976	QP Bias	-3.0 V
Mass Offset	129	Axis Offset	0.13		

Hardware Settings

Torch

Torch H	-0.3 mm	Torch V	0.4 mm
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EM

Discriminator	4.7 mV	Analog HV	2303 V	Pulse HV	1347 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		20819	208194.73			0.560	
89		26863	268625.54			0.396	
205		29219	292189.22			0.405	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	20954	20889	20858	20690	20706
89	26914	26965	26936	26730	26767
205	29351	29318	29221	29073	29131

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.4 V	Deflect	2.6 V
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Extract 2	-130.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-70 V	Cell Exit	-60 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		
QP Parameters					
Mass Gain	134	Axis Gain	0.9976	QP Bias	-13.0 V
Mass Offset	129	Axis Offset	0.13		
Hardware Settings					
Torch					
Torch H	-0.3 mm	Torch V	0.4 mm		
EM					
Discriminator	4.7 mV	Analog HV	2303 V	Pulse HV	1347 V