

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P10022424-MS1.b

Acq. Date-Time 2024-10-02 15:49:29

Report Comment ---

Instrument Name G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		30569	305687.42			0.404	5.000
24		1052010	10520097.93			0.881	5.000
25		142571	1425710.85			1.286	5.000
26		163558	1635583.01			1.676	5.000
59		229845	2298452.15			1.174	5.000
113		14453	144532.17			0.633	5.000
115		337330	3373300.73			1.878	5.000
206		87582	875816.15			0.623	5.000
207		71326	713258.98			0.497	5.000
208		182274	1822742.47			1.749	5.000
220		0	2.90			46.264	

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

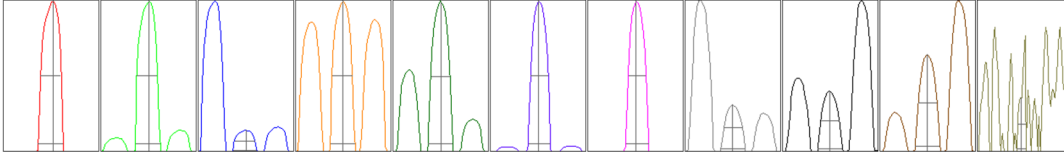
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	30630	30514	30467	30757	30476
24	1054705	1056481	1047690	1062695	1038477
25	143529	143713	143041	143249	139323
26	165928	161887	164269	166027	159680
59	230489	234107	228029	229410	227191
113	14599	14421	14443	14348	14454
115	348125	335494	336741	331518	334773
206	88115	86883	87191	88095	87624
207	71862	71178	71429	70905	71255
208	187320	183155	179235	181537	180124

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	51007.83	9.10	8.90 - 9.10	
24	1740429.66	24.05	23.90 - 24.10	
25	236375.72	25.05	24.90 - 25.10	
26	276036.43	26.00	25.90 - 26.10	
59	402284.38	59.05	58.90 - 59.10	
113	27639.77	113.05	112.90 - 113.10	
115	643374.69	115.05	114.90 - 115.10	
206	160106.34	206.00	205.90 - 206.10	
207	130024.42	207.00	206.90 - 207.10	
208	328521.12	208.00	207.90 - 208.10	
220	0.30	219.90	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.64	0.780	0.900	
24	0.64	0.781	0.900	
25	0.63	0.743	0.900	
26	0.63	0.779	0.900	
59	0.60	0.776	0.900	
113	0.55	0.688	0.900	
115	0.55	0.728	0.900	
206	0.58	0.757	0.900	
207	0.58	0.773	0.900	
208	0.58	0.777	0.900	
220	0.26	0.296		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.85 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	-6.0 V	Omega Lens	11.2 V	Deflect	14.0 V
Extract 2	-210.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-95 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	140 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9968	QP Bias	-4.0 V
Mass Offset	126	Axis Offset	0.08		

Hardware Settings

Torch

Torch H	0.9 mm	Torch V	-1.1 mm
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EM

Discriminator	3.9 mV	Analog HV	2148 V	Pulse HV	1015 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		45700	457001.13			0.312	
89		231080	2310798.17			0.600	
205		136953	1369526.31			0.629	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	45789	45747	45819	45684	45461
89	231868	232336	229704	232042	229448
205	138342	137124	136456	136734	136107

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.85 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	-6.0 V	Omega Lens	11.2 V	Deflect	2.2 V
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Extract 2	-210.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-95 V	Cell Exit	-70 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		
QP Parameters					
Mass Gain	124	Axis Gain	0.9968	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.08		
Hardware Settings					
Torch					
Torch H	0.9 mm	Torch V	-1.1 mm		
EM					
Discriminator	3.9 mV	Analog HV	2148 V	Pulse HV	1015 V