

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P7103123-MS2.b
Acq. Date-Time 2023-10-31 11:41:49
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		5672	56720.20			1.019	5.000
24		34785	347847.91			1.501	5.000
25		4493	44933.84			1.477	5.000
26		5204	52043.24			1.496	5.000
59		45305	453052.94			0.755	5.000
113		7274	72736.94			1.001	5.000
115		90216	902160.04			1.228	5.000
206		18812	188122.11			0.668	5.000
207		16680	166800.22			0.730	5.000
208		39941	399412.88			0.756	5.000
220		0	2.40			17.430	

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

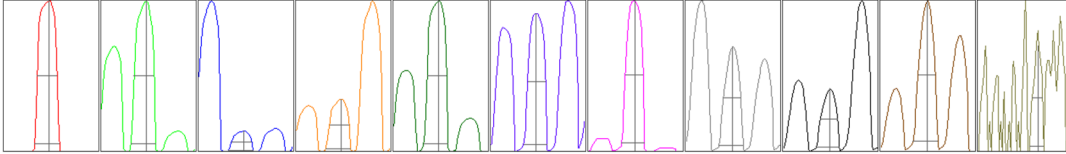
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	5622	5612	5678	5753	5696
24	34162	34299	34975	35313	35175
25	4424	4424	4508	4557	4554
26	5091	5160	5265	5275	5231
59	45074	44858	45492	45723	45379
113	7196	7213	7358	7340	7262
115	89590	88993	90542	91915	90041
206	18692	18752	18956	18940	18721
207	16499	16659	16821	16758	16663
208	39579	39692	40259	40205	39972

US EPA Tune Check Report

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	9242.60	8.95	8.90 - 9.10	
24	57062.20	23.95	23.90 - 24.10	
25	7396.53	24.95	24.90 - 25.10	
26	8432.33	25.95	25.90 - 26.10	
59	74689.97	58.95	58.90 - 59.10	
113	13108.46	112.95	112.90 - 113.10	
115	163958.57	115.00	114.90 - 115.10	
206	35983.68	206.00	205.90 - 206.10	
207	31774.14	207.00	206.90 - 207.10	
208	76270.08	208.00	207.90 - 208.10	
220	0.35	220.45	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.63	0.782	0.900	
24	0.64	0.783	0.900	
25	0.64	0.782	0.900	
26	0.63	0.785	0.900	
59	0.63	0.772	0.900	
113	0.56	0.745	0.900	
115	0.56	0.730	0.900	
206	0.54	0.773	0.900	
207	0.54	0.735	0.900	
208	0.54	0.796	0.900	
220	0.34	0.441		

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

US EPA Tune Check Report

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	8.2 V	Deflect	15.2 V
Extract 2	-105.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-60 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	190 V		

QP Parameters

Mass Gain	132	Axis Gain	0.9973	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.11		

Hardware Settings

Torch

Torch H	-1.0 mm	Torch V	0.8 mm
---------	---------	---------	--------

EM

Discriminator	4.6 mV	Analog HV	2296 V	Pulse HV	1351 V
---------------	--------	-----------	--------	----------	--------

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		12767	127666.15			0.544	
89		17733	177327.86			0.559	
205		20968	209678.40			0.598	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	12821	12854	12751	12719	12689
89	17797	17845	17765	17625	17633
205	21151	21036	20932	20876	20845

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	8.8 V	Deflect	3.6 V
-----------	-------	------------	-------	---------	-------

US EPA Tune Check Report

Extract 2	-95.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-55 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	190 V		
QP Parameters					
Mass Gain	132	Axis Gain	0.9973	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.11		
Hardware Settings					
Torch					
Torch H	-1.0 mm	Torch V	0.8 mm		
EM					
Discriminator	4.6 mV	Analog HV	2296 V	Pulse HV	1351 V