

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P7081224MS.b

Acq. Date-Time 2024-08-12 11:32:48

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		7671	76709.22			0.228	5.000
24		111901	1119008.83			1.284	5.000
25		15372	153722.21			1.093	5.000
26		19021	190210.62			0.790	5.000
59		88390	883903.73			0.452	5.000
113		13184	131836.47			0.251	5.000
115		153870	1538698.92			0.540	5.000
206		29497	294968.02			0.590	5.000
207		26410	264102.55			0.708	5.000
208		62580	625796.16			0.499	5.000
220		1	7.70			25.400	

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

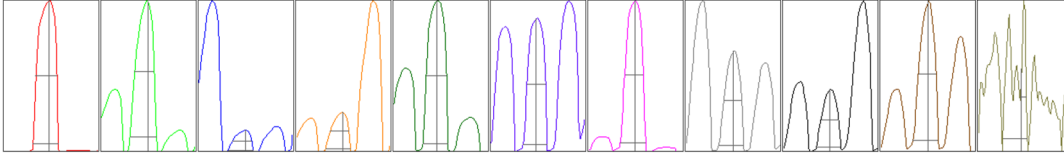
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	7683	7688	7672	7643	7669
24	110566	111318	111303	112014	114303
25	15150	15278	15366	15500	15568
26	18892	18923	18944	19095	19251
59	88571	87843	88194	88440	88905
113	13215	13146	13162	13175	13221
115	154344	154356	153562	154541	152546
206	29432	29243	29502	29614	29693
207	26659	26193	26302	26361	26537
208	62768	62421	62615	62143	62951

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	12237.33	8.95	8.90 - 9.10	
24	190239.79	24.00	23.90 - 24.10	
25	26293.62	25.00	24.90 - 25.10	
26	31008.10	26.00	25.90 - 26.10	
59	143067.56	58.90	58.90 - 59.10	
113	22945.44	112.95	112.90 - 113.10	
115	270322.88	115.00	114.90 - 115.10	
206	53788.43	206.05	205.90 - 206.10	
207	47392.70	207.00	206.90 - 207.10	
208	115097.49	208.05	207.90 - 208.10	
220	0.90	219.90	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.67	0.788	0.900	
24	0.63	0.841	0.900	
25	0.61	0.785	0.900	
26	0.60	0.785	0.900	
59	0.65	0.790	0.900	
113	0.58	0.756	0.900	
115	0.58	0.810	0.900	
206	0.56	0.791	0.900	
207	0.55	0.782	0.900	
208	0.55	0.804	0.900	
220	0.20	0.778		

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	7.4 V	Deflect	16.2 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	200 V		

QP Parameters

Mass Gain	136	Axis Gain	0.9979	QP Bias	-3.0 V
Mass Offset	129	Axis Offset	0.08		

Hardware Settings

Torch

Torch H	-0.4 mm	Torch V	0.9 mm
---------	---------	---------	--------

EM

Discriminator	4.6 mV	Analog HV	2323 V	Pulse HV	1462 V
---------------	--------	-----------	--------	----------	--------

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		28652	286520.85			0.524	
89		30367	303666.35			0.393	
205		33524	335237.48			0.410	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	28913	28576	28630	28606	28535
89	30570	30293	30342	30360	30269
205	33681	33525	33584	33524	33306

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	9.9 V	Deflect	3.8 V
-----------	-------	------------	-------	---------	-------

US EPA Tune Check Report

Extract 2	-175.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-80 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	136	Axis Gain	0.9979	QP Bias	-13.0 V
Mass Offset	129	Axis Offset	0.08		
Hardware Settings					
Torch					
Torch H	-0.4 mm	Torch V	0.9 mm		
EM					
Discriminator	4.6 mV	Analog HV	2323 V	Pulse HV	1462 V