

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7010925MS1.b
Acq. Date-Time 2025-01-09 12:57:27
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		6187	61871.80			0.372	5.000
24		178179	1781790.70			0.649	5.000
25		22078	220784.86			0.151	5.000
26		25219	252190.71			0.252	5.000
59		73018	730180.55			0.344	5.000
113		11501	115007.77			0.803	5.000
115		146806	1468061.06			1.115	5.000
206		35989	359888.34			0.319	5.000
207		31410	314099.95			0.355	5.000
208		75138	751376.83			0.386	5.000
220		0	1.70			33.535	

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

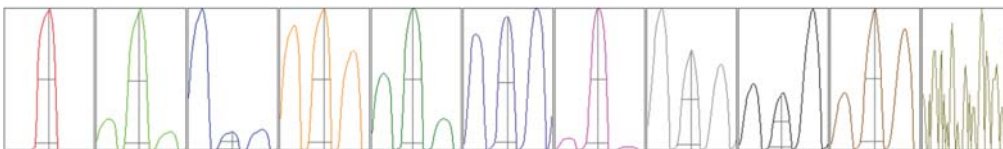
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	6206	6178	6159	6177	6215
24	177784	178385	180093	177283	177351
25	22108	22087	22085	22021	22091
26	25167	25237	25313	25154	25224
59	73084	73274	73139	72985	72609
113	11621	11546	11503	11458	11376
115	148811	147943	146010	146637	144630
206	35915	36065	36030	36106	35828
207	31490	31403	31469	31469	31219
208	75161	75521	75132	75170	74705

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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	10992.18	9.00	8.90 - 9.10	
24	302803.86	23.95	23.90 - 24.10	
25	38520.83	25.00	24.90 - 25.10	
26	43833.21	26.00	25.90 - 26.10	
59	127393.96	58.90	58.90 - 59.10	
113	22113.18	113.00	112.90 - 113.10	
115	281756.27	114.95	114.90 - 115.10	
206	69687.56	206.00	205.90 - 206.10	
207	59042.40	206.95	206.90 - 207.10	
208	147361.20	208.00	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.59	0.737	0.900	
24	0.63	0.822	0.900	
25	0.61	0.740	0.900	
26	0.61	0.769	0.900	
59	0.60	0.739	0.900	
113	0.53	0.733	0.900	
115	0.52	0.748	0.900	
206	0.54	0.769	0.900	
207	0.54	0.776	0.900	
208	0.53	0.780	0.900	
220				

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	9.1 V	Deflect	14.6 V
Extract 2	-150.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 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	160 V		

QP Parameters

Mass Gain	138	Axis Gain	0.9976	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.10		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	0.4 mm
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EM

Discriminator	4.9 mV	Analog HV	2264 V	Pulse HV	1060 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		26039	260385.52			0.429	
89		49519	495186.50			0.802	
205		35475	354749.72			0.543	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	26214	25985	26068	25917	26009
89	50050	49698	49512	48982	49350
205	35734	35472	35412	35550	35207

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	8.9 V	Deflect	2.8 V
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Extract 2	-145.0 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	138	Axis Gain	0.9976	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.10		
Hardware Settings					
Torch					
Torch H	0.3 mm	Torch V	0.4 mm		
EM					
Discriminator	4.9 mV	Analog HV	2264 V	Pulse HV	1060 V