

US EPA Tune Check Report

Operator Name labceuser
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\2020\EPA_2008\Maintenance\October_2020\Tune_post maintenance
Acq. Date-Time 20201026.b
 2020-10-26 11:25:01
Report Comment 2008 Tune
Instrument Name G8421A SG18463470

[no gas]

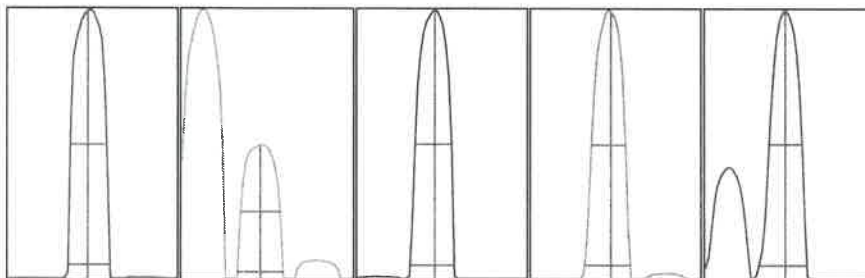
Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	5024	50238.87			3.603	5.000
24	10.00	21223	212230.45			3.157	5.000
59	10.00	86004	860042.60			3.457	5.000
115	10.00	64578	645781.42			3.352	5.000
208	10.00	31938	319377.16			3.472	5.000

Mass	RSD% (Flag)
9	
24	
59	
115	
208	

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	5033.37	8.95	8.90 - 9.10	
24	21733.37	23.90	23.90 - 24.10	
59	88954.14	58.90	58.90 - 59.10	
115	65527.65	114.95	114.90 - 115.10	
208	32040.43	207.95	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.64	0.741	0.900	
24	0.68	0.790	0.900	
59	0.65	0.786	0.900	
115	0.60	0.814	0.900	

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Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
208	0.58	0.846	0.900	

Integration Time [sec] 0.1
 Acquisition Time [sec] 37.4
 Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.99 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.10 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.6 V	Deflect	12.0 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-80 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	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	126	Axis Gain	0.9995	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	0.8 mm	Torch V	0.0 mm
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EM

Discriminator	3.3 mV	Analog HV	2263 V	Pulse HV	1207 V
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