US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P8111123 MS1.b
Acq. Date-Time	2023-11-11 09:52:53
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		9167	91665.45			0.898	5.000
24		71520	715201.27			1.367	5.000
25		9479	94795.00			0.605	5.000
26		11083	110828.57			0.524	5.000
59		70480	704796.71			0.585	5.000
113		7767	77674.32			1.058	5.000
115		97690	976895.69			1.187	5.000
206		25784	257841.10			0.955	5.000
207		23193	231927.57			0.784	5.000
208		56093	560927.94			1.055	5.000
220		0	2.10			63.888	

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	9285	9119	9200	9068	9160
24	71307	72535	71965	69955	71839
25	9536	9470	9522	9389	9481
26	11117	11155	11090	11007	11045
59	70387	70771	71019	69998	70224
113	7838	7778	7842	7735	7644
115	98844	97755	98022	95746	98080
206	25958	25747	26105	25513	25598
207	23224	23071	23497	23060	23113
208	56328	56421	56563	55084	56067

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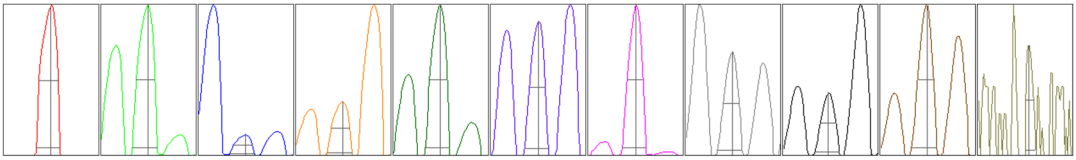
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	0	0	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	16275.29	9.00	8.90 - 9.10	
24	127600.24	24.00	23.90 - 24.10	
25	17145.86	25.00	24.90 - 25.10	
26	19972.37	26.00	25.90 - 26.10	
59	133258.76	59.00	58.90 - 59.10	
113	15982.67	113.05	112.90 - 113.10	
115	202480.66	115.05	114.90 - 115.10	
206	52245.49	206.00	205.90 - 206.10	
207	46900.80	206.95	206.90 - 207.10	
208	112387.90	208.00	207.90 - 208.10	
220	0.40	220.15	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.740	0.900	
24	0.59	0.785	0.900	
25	0.58	0.782	0.900	
26	0.58	0.785	0.900	
59	0.56	0.764	0.900	
113	0.49	0.756	0.900	
115	0.50	0.752	0.900	
206	0.50	0.776	0.900	
207	0.50	0.773	0.900	
208	0.50	0.800	0.900	
220	0.24	0.340		

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	10.9 V	Deflect	13.8 V
Extract 2	-235.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-120 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	0.9992	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	0.01		

Hardware Settings

Torch

Torch H	1.3 mm	Torch V	-0.9 mm

EM

Discriminator	4.6 mV	Analog HV	2303 V	Pulse HV	1661 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		15921	159208.15			0.685	
89		10456	104555.87			0.562	
205		19023	190225.18			0.582	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	15863	15986	16080	15820	15854
89	10483	10517	10472	10447	10361
205	19023	19194	19043	18907	18946

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	10.9 V	Deflect	3.8 V

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Extract 2	-235.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-120 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	190 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9992	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	0.01		

Hardware Settings

Torch

Torch H	1.3 mm	Torch V	-0.9 mm		

EM

Discriminator	4.6 mV	Analog HV	2303 V	Pulse HV	1661 V