

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8090622MS-2.b
Acq. Date-Time 2022-09-06 12:39:19
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		11955	119554.68			2.504	5.000
24		81844	818437.36			3.599	5.000
25		10512	105124.06			1.966	5.000
26		11751	117507.35			2.352	5.000
59		53487	534870.19			2.213	5.000
113		4606	46063.94			2.257	5.000
115		61059	610589.72			2.645	5.000
206		12600	125999.81			2.227	5.000
207		11522	115220.67			1.242	5.000
208		27480	274798.42			2.800	5.000
220		1	6.50			47.106	

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

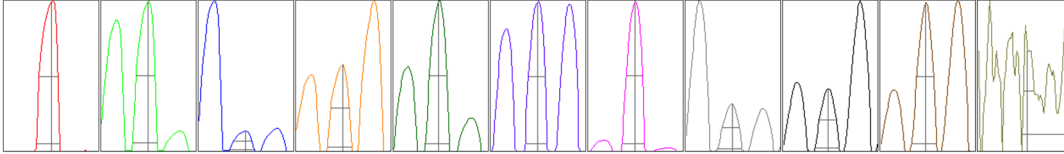
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	11928	12469	11725	11889	11766
24	81925	86606	78672	81535	80480
25	10525	10843	10282	10490	10423
26	11794	12187	11528	11745	11499
59	53890	55213	51985	53245	53101
113	4672	4727	4452	4599	4582
115	61245	63300	58748	60875	61127
206	12605	12970	12204	12713	12507
207	11551	11743	11364	11515	11437
208	27366	28659	26563	27644	27167

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	21403.22	9.05	8.90 - 9.10	
24	143984.11	24.00	23.90 - 24.10	
25	19185.72	25.00	24.90 - 25.10	
26	21370.65	26.00	25.90 - 26.10	
59	101733.85	58.95	58.90 - 59.10	
113	9079.91	113.00	112.90 - 113.10	
115	124197.56	115.00	114.90 - 115.10	
206	24616.99	206.00	205.90 - 206.10	
207	22310.43	206.95	206.90 - 207.10	
208	53898.92	207.95	207.90 - 208.10	
220	0.80	220.10	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.59	0.738	0.900	
24	0.60	0.781	0.900	
25	0.57	0.779	0.900	
26	0.58	0.780	0.900	
59	0.55	0.766	0.900	
113	0.53	0.688	0.900	
115	0.51	0.716	0.900	
206	0.53	0.770	0.900	
207	0.54	0.773	0.900	
208	0.53	0.794	0.900	
220	0.35	1.475		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.87 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	1.40 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	-6.0 V	Omega Lens	10.4 V	Deflect	15.2 V
Extract 2	-210.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-100 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	0.9994	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	-0.02		

Hardware Settings

Torch

Torch H	0.8 mm	Torch V	-1.1 mm
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EM

Discriminator	4.5 mV	Analog HV	2299 V	Pulse HV	1624 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		11410	114098.60			1.174	
89		12295	122947.02			1.442	
205		22703	227032.62			1.853	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	11373	11474	11576	11213	11414
89	12116	12349	12456	12098	12455
205	23152	22748	22965	22051	22600

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.87 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.40 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	-6.0 V	Omega Lens	10.4 V	Deflect	4.8 V
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US EPA Tune Check Report

Extract 2	-210.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-100 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	200 V		
QP Parameters					
Mass Gain	124	Axis Gain	0.9994	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.02		
Hardware Settings					
Torch					
Torch H	0.8 mm	Torch V	-1.1 mm		
EM					
Discriminator	4.5 mV	Analog HV	2299 V	Pulse HV	1624 V