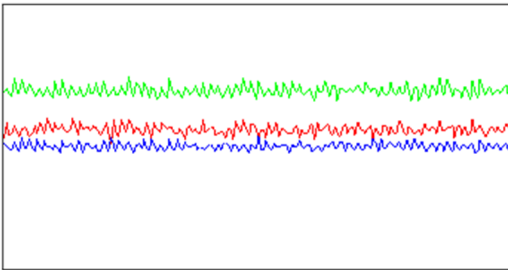


Performance Report

Operator Name Admin
Acq. Date-Time 2020-08-03 15:26:23
Instrument Name G8403A SG19404617
Sample Introduction PeriPump
Nebulizer Type MicroMist
Ion Lens Model x-Lens
Tune Parameters Standard Tune

Sensitivity



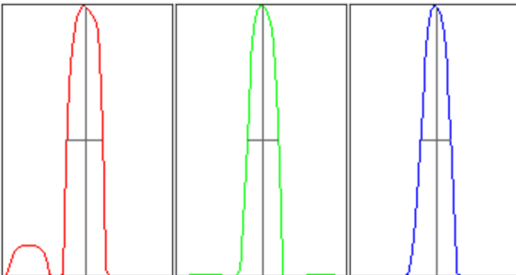
Mass	Range	Count	RSD%	Background
7	10000	5295	3.455	1.900
89	50000	33865	3.000	0.550
205	50000	23317	3.115	4.950

Sampling Period [sec] 0.311
Integration Time [sec] 0.1

Oxide/Doubly Charged Ratio

Oxide 156 / 140 0.983 %
Doubly Charged 70 / 140 1.151 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
7	5244.36	7.00	0.64	0.73
89	33510.90	89.05	0.56	0.72
205	23257.53	205.05	0.55	0.76

Integration Time [sec] 0.1
Acquisition Time [sec] 22.74

Tune Parameters

Plasma Parameters

RF Power	1550 W	Option Gas	---	Makeup Gas	0.00 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Auxiliary Gas	0.90 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C	Plasma Gas	15.0 L/min
Nebulizer Gas	1.07 L/min				

Lens Parameters

Extract 1	0.0 V	Omega Lens	11.2 V	Deflect	14.6 V
Extract 2	-205.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-80 V	Cell Exit	-50 V		

Performance Report

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

QP Bias	-3.0 V
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Hardware Settings

Torch

Torch H	-0.1 mm	Torch H (Hot)	---	Torch H (Cool)	---
Torch V	0.1 mm	Torch V (Hot)	---	Torch V (Cool)	---

Plasma Correction

Nebulizer Gas Offset	0.02 L/min	Makeup Gas (Hot)	---	Makeup Gas (Cool)	---
		Sample Depth (Hot)	---		

Resolution/Axis

Mass Gain	143	Axis Gain	1.0028
Mass Offset	124	Axis Offset	0.02

EM

Discriminator	3.4 mV	Analog HV	2178 V	Pulse HV	1128 V
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Performance Report

Meter

Name	Value	Unit
Nebulizer Gas	1.07	L/min
MU./Dil. Gas	0.00	L/min
Plasma Gas	14.99	L/min
Aux Gas	0.90	L/min
Ar Gas Tank Press	6.07E+2	kPa
+5V (Press Gage)	5.0	V
Ar AMFC Temp	34.2	°C
Nebulizer Gas(DP)	6.47E+0	kPa
MU./Dil. Gas(DP)	-1.23E-1	kPa
Aux Gas(DP)	1.32E+1	kPa
Plasma Gas(DP)	1.20E+1	kPa
Nebulizer Gas(BP)	3.51E+2	kPa
MU./Dil. Gas(BP)	-2.47E+0	kPa
Aux Gas(BP)	5.56E+1	kPa
Plasma Gas(BP)	4.20E+1	kPa
S/C Temp (H)	33.3	°C
S/C Temp (L)	2.0	°C
Peltier Voltage	6.0	V
IF/BK Press	1.68E+2	Pa
Analyzer Press	9.60E-5	Pa
IG HV	176	V
IG Emission	4.95	μA
TMP Revolution	100.0	%
TMP Rev (RAW)	99.9	%
TMP Current	2.39	A
PWR AMP Drain I	0.4	A
PWR AMP Bias	4.26	V
OctP RF (Avg)	204.6	V
OctP RF Set	4.0	V
OctP FET Bias Set	3.97	V
OctP RF(+)	188.6	V
OctP RF(-)	219.7	V
OctP Bias	-8.0	V
Cell Temp.	65.0	°C
Cell Heater Volt.	2.8	V
+U Voltage	5.5	V

Name	Value	Unit
-U Voltage	-11.3	V
V Voltage	31.6	V
QPRF Fader	0.0	V
Pickup Temp	54.9	°C
PWR Amp Temp	0.1	V
+600V	601.9	V
-120V	-130.8	V
-720V	-738.9	V
Prefilter Bias	-5.00	V
Pickup Heater I	0.07	A
QP PS +48V	47.4	V
QP PS +48V I	0.08	A
Analog HV	-2177	V
Pulse HV	1136	V
EM Gate	99.2	V
Pulse Gate	1.8	V
EM Entrance	-0.1	V
EM HV Gain	-815.2	V
Inner Pole	-300.3	V
Outer Pole	20.0	V
Analog -5V	-5.1	V
Analog +15V	14.7	V
Analog -15V	-14.6	V
Analog +5V	5.2	V
Shunt C Pos	1.8	V
Drain Volt.(max)	63.4	V
RF PS +48V	47.5	V
Forward Power	1548	W
Reflected Power	12	W
Plasma Freq.	26.78	MHz
Drain I 1	10.60	A
Drain I 2	10.79	A
Drain I 3	11.15	A
Drain I 4	11.63	A
Temp Sensor	2.5	V
Driver I	7.16	A

Name	Value	Unit
Igniter	0.0	V
Driver Voltage Set	6.6	V
Unbalance Current	0.41	A
PWM Threshold Set	0.2	V
Driver Voltage	5.2	V
PWM Threshold	0.2	V
Phase Detector	-2.0	mV
He Gas	0.02	mL/min
He Gas Press	2.64E-1	kPa
ORS AMFC Temp	36.8	°C
Atmospheric Press	1.00E+2	kPa
Extract 1	0.0	V
Extract 2	-205.5	V
Omega Bias	-80.3	V
Omega Lens	11.4	V
Cell Entrance	-30.2	V
Cell Exit	-50.2	V
Deflect	14.6	V
Plate Bias	-35.1	V
HV+530V	528	V
HV+240V	237	V
HV-360V	-357	V
Inlet Temp	33.0	°C
Internal Temp	37.7	°C
+24V	23.5	V
Water Temp	34.5	°C
Water RF/WC/IF	1.22	L/min
ISIS 3 Pump Speed	0.0	%
Valve Position		
Tune/ISTD Valve		

Performance Report History

Sensitivity

Performance Report

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2020-08-03 15:26:23	5295	33865	23317
2020-07-31 16:25:34	5827	37445	27530
2020-07-27 15:56:37	5273	31516	22357
2020-07-24 12:51:54	5651	34766	22995
2020-07-16 16:54:39	6709	36831	20755
2020-06-26 14:06:49	10939	30221	23083
2020-06-11 15:53:51	8764	37471	24641
2020-06-02 10:29:39	8837	35611	23878
2020-05-19 13:26:27	7378	28399	17855
2020-05-13 11:59:48	7663	32199	23339
2020-05-05 16:20:45	7553	25348	19731
2020-04-27 15:58:21	6173	23488	18032
2020-04-20 15:39:42	5551	23905	17866
2020-04-10 12:38:55	6393	32889	23852
2020-04-10 12:00:36	5969	34526	26443
2020-04-09 17:56:36	7538	38039	26636
2020-04-08 14:34:23	6008	31660	22713
2020-04-07 13:34:36	6651	34305	23434

Background

Created Date	Channel 1 Count	Channel 2 Count	Channel 3 Count
2020-08-03 15:26:23	1.900	0.550	4.950
2020-07-31 16:25:34	2.650	0.400	4.150
2020-07-27 15:56:37	2.550	0.250	4.750
2020-07-24 12:51:54	1.900	0.700	4.000
2020-07-16 16:54:39	3.550	1.050	6.600
2020-06-26 14:06:49	1.200	0.600	3.350
2020-06-11 15:53:51	2.150	0.550	4.600
2020-06-02 10:29:39	2.250	0.350	4.550
2020-05-19 13:26:27	3.600	0.850	6.200
2020-05-13 11:59:48	2.150	0.400	3.700
2020-05-05 16:20:45	1.200	0.400	3.200
2020-04-27 15:58:21	1.550	0.150	2.650
2020-04-20 15:39:42	1.550	0.400	2.700
2020-04-10 12:38:55	2.400	0.450	3.600
2020-04-10 12:00:36	1.900	0.450	3.650
2020-04-09 17:56:36	2.450	0.300	3.850
2020-04-08 14:34:23	2.000	0.450	3.100
2020-04-07 13:34:36	2.850	0.550	4.200

Tune Parameters

Performance Report

Created Date	Extract 1	Extract 2	Omega Bias
2020-08-03 15:26:23	0.0 V	-205.0 V	-80 V
2020-07-31 16:25:34	0.0 V	-205.0 V	-90 V
2020-07-27 15:56:37	0.0 V	-210.0 V	-90 V
2020-07-24 12:51:54	0.0 V	-205.0 V	-90 V
2020-07-16 16:54:39	0.0 V	-200.0 V	-90 V
2020-06-26 14:06:49	0.0 V	-210.0 V	-90 V
2020-06-11 15:53:51	0.0 V	-215.0 V	-80 V
2020-06-02 10:29:39	0.0 V	-240.0 V	-90 V
2020-05-19 13:26:27	0.0 V	-235.0 V	-100 V
2020-05-13 11:59:48	0.0 V	-235.0 V	-100 V
2020-05-05 16:20:45	0.0 V	-205.0 V	-90 V
2020-04-27 15:58:21	0.0 V	-195.0 V	-80 V
2020-04-20 15:39:42	0.0 V	-185.0 V	-80 V
2020-04-10 12:38:55	0.0 V	-180.0 V	-80 V
2020-04-10 12:00:36	0.0 V	-175.0 V	-80 V
2020-04-09 17:56:36	0.0 V	-180.0 V	-80 V
2020-04-08 14:34:23	0.0 V	-185.0 V	-80 V
2020-04-07 13:34:36	0.0 V	-190.0 V	-80 V