FIT Engineering Data

Instrument Type: 2000B

Instrument Serial Number : 815N1031802B

Manual Adjust Conditions

Description	Standard	Helium-B KED	Helium-C KED	Ammonia DRC	Unit
Nebulizer Gas Flow [NEB]	1	1	1	1	L/min
AMS Gas Flow	0	0	0	0	L/min
Auxiliary Gas Flow	1.2	1.2	1.2	1.2	L/min
Plasma Gas Flow	15	15	15	15	L/min
ICP RF Power	1600	1600	1600	1600	Watts
QID Fixed Voltage	-10	-10	-10	-10	Volts
Quadrupole Rod Offset [QRO]	0	-12	-12	-8	Volts
Cell Entrance Voltage	-8	-6	-6	-7	Volts
Cell Exit Voltage	-8	-23	-23	-7	Volts
Cell Rod Offset [CRO]	-6	-15	-15	-2.5	Volts
Axial Field Voltage [AFT]	0	500	500	250	Volts
RPa		0	0	0	N/A
RPq		0.25	0.25	0.45	N/A
RF Voltage	200	200	200	200	Volts
DC Voltage	0	0	0	0	Volts
Service DAC 1	60	60	60	60	mA
Gas Flow		5.2	5.2	0.6	mL/min
Analog Stage Voltage	-1750	-1750	-1750	-1750	Volts
Pulse Stage Voltage	800	800	800	800	Volts
Discriminator Threshold	11	11	11	11	mVolts

Mass Calibration DAC Values

Analyte	Mass Calibration DAC Value	Resolution DAC Value
Li	1248	2052
Mg	4634	2054
In	22825	2054
Pb	41444	2055
U	47460	2053

Final Optimization

Description	Value	Unit
Dead Time Correction	35	ns
QPS RF Voltage Calibration	789400	ppm
Plasma Off Turbo Current	1.9	amp
Plasma Off Base Preasure	6 E-8	torr
Turbo Current Standard Mode	3.2	amp
Vacuum Level Standard Mode	7E-07	torr
Turbo Current DRC Mode	3.4	amp
Vacuum Level DRC Mode	1.48E-05	torr
Turbo Current KED Mode	3.4	amp
Vacuum Level KED Mode	2.52E-05	torr