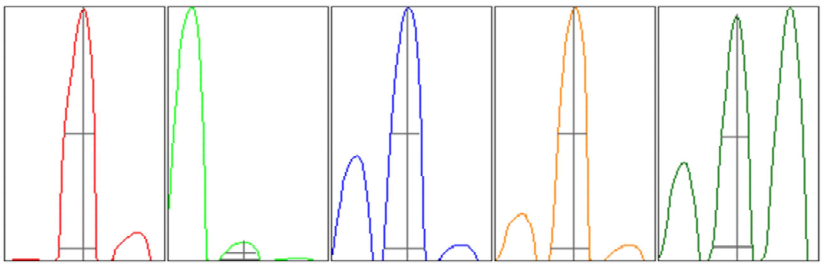
US EPA Tune Check Report

Operator Name	ALRCE Metals05
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq. Date-Time	09/10/26 11:36:30
Report Comment	---
Instrument Name	G8403A JP16491642

[No Gas]

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	853.35	9.00	8.90 - 9.10	
24	4956.38	23.95	23.90 - 24.10	
59	7210.97	58.95	58.90 - 59.10	
115	12359.87	115.00	114.90 - 115.10	
208	5066.39	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.56	0.691	0.900	
24	0.59	0.737	0.900	
59	0.56	0.772	0.900	
115	0.55	0.719	0.900	
208	0.51	0.738	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	157.399999999999
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.07 L/min	Makeup Gas	0.00 L/min
RF Power	1550 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	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	10.0 V	Deflect	15.2 V
Extract 2	-250.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-100 V	Cell Exit	-50 V		

Cell Parameters

US EPA Tune Check Report

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	128	Axis Gain	0.9996	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	-0.04		

Hardware Settings

Torch

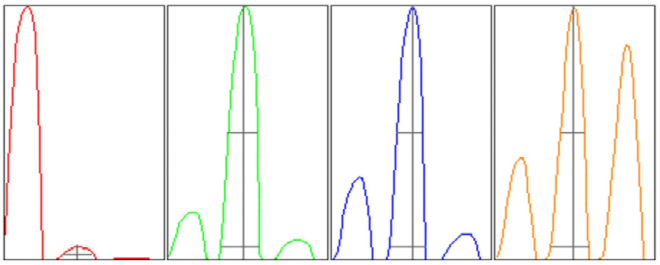
Torch H	0.0 mm	Torch V	-0.3 mm

EM

Discriminator	5.5 mV	Analog HV	2318 V	Pulse HV	1119 V

[He]

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
24	123.71	23.90	23.90 - 24.10	
59	1727.06	58.95	58.90 - 59.10	
115	2396.71	115.05	114.90 - 115.10	
208	3172.79	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
24	0.56	0.728	0.900	
59	0.54	0.724	0.900	
115	0.50	0.680	0.900	
208	0.45	0.712	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	125.92
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.07 L/min	Makeup Gas	0.00 L/min
RF Power	1550 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	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	10.0 V	Deflect	1.8 V

US EPA Tune Check Report

Extract 2	-250.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-100 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	128	Axis Gain	0.9996	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.04		

Hardware Settings

Torch

Torch H	0.0 mm	Torch V	-0.3 mm		

EM

Discriminator	5.5 mV	Analog HV	2318 V	Pulse HV	1119 V

7900 ICP-MS 200.8/6020B
Calibration Blank Report

Sample Name	Blank
File Name	003CALB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 14:49:35
Sample Type	CalBlk
Vial Number	1102
ISTD Ref FileName	003CALB.d
Operator	

QC Analyte Table

Name	Mass	ISTD	Tune	CPS	RSD
Be	9	45	No Gas	8.89	57.3
Al	27	72	No Gas	427627.55	0.0
V	51	72	He	927.81	5.4
Cr	52	72	No Gas	43466.28	6.4
Mn	55	72	No Gas	10494.97	1.9
Co	59	72	He	61.11	8.3
Ni	60	72	No Gas	1432.30	10.3
Ni	60	72	He	348.89	8.3
Cu	63	72	No Gas	14431.94	14.4
Cu	63	72	He	5431.05	1.5
Zn	66	72	No Gas	5512.19	1.4
Se	78	72	He	40.67	7.5
Sr	88	89	No Gas	1711.22	3.6
Mo	98	89	No Gas	53.05	23.8
Ag	107	89	No Gas	318.89	10.7
Cd	111	89	No Gas	5586.66	3.7
Sb	123	89	No Gas	415.56	36.1
Ba	137	115	No Gas	203.34	8.7
Tl	203	115	No Gas	107.78	18.9
Pb	208	115	No Gas	964.46	3.1
U	238	115	No Gas	34.44	22.3

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD
Sc	45	No Gas	16506661.57	0.4
Ge	72	No Gas	8699060.49	1.3
Ge	72	He	1059437.18	2.0
Y	89	No Gas	12211136.46	1.1
Rh	103	No Gas	10866053.74	1.5
In	115	No Gas	11491297.60	0.8

7900 ICP-MS 200.8/6020B
Calibration Standard Report

Sample Name	Calibration Std 1
File Name	004CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 14:51:44
Sample Type	CalStd
Vial Number	1103
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	CPS	RSD	Conc.
Be	9	45	No Gas	3957.21	5.2	0.500
Al	27	72	No Gas	480345.41	1.5	1.000
V	51	72	He	5755.61	4.8	0.500
Cr	52	72	No Gas	77117.55	6.4	0.500
Mn	55	72	No Gas	53854.38	6.4	0.500
Co	59	72	He	9756.69	1.9	0.500
Ni	60	72	No Gas	9755.59	4.5	0.500
Ni	60	72	He	3142.57	3.5	0.500
Cu	63	72	No Gas	32729.43	11.9	0.500
Cu	63	72	He	11701.50	2.2	0.500
Zn	66	72	No Gas	14962.39	5.1	1.000
As	75	72	No Gas	5817.79	11.3	0.500
Se	78	72	He	100.33	3.8	0.500
Se	82	72	No Gas	420.65	18.6	0.500
Sr	88	89	No Gas	53413.02	6.9	0.500
Mo	98	89	No Gas	14909.79	7.2	0.500
Ag	107	89	No Gas	23249.84	7.9	0.500
Cd	111	89	No Gas	10461.22	3.3	0.500
Sb	123	89	No Gas	15427.72	6.4	0.500
Ba	137	115	No Gas	7832.30	7.2	0.500
Tl	203	115	No Gas	15453.77	8.3	0.500
Pb	208	115	No Gas	49681.32	8.0	0.500
U	238	115	No Gas	46282.43	5.6	0.500

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16363412.68	1.0	16506661.57	99.13	60	125	
Ge	72	No Gas	8661539.93	1.4	8699060.49	99.57	60	125	
Ge	72	He	1060987.46	2.1	1059437.18	100.15	60	125	
Y	89	No Gas	12255223.40	1.8	12211136.46	100.36	60	125	
Rh	103	No Gas	10851488.18	1.7	10866053.74	99.87	60	125	
In	115	No Gas	11549579.26	1.7	11491297.6	100.51	60	125	

7900 ICP-MS 200.8/6020B
Calibration Standard Report

Sample Name	Calibration Std 2
File Name	005CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 14:53:51
Sample Type	CalStd
Vial Number	1104
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	CPS	RSD	Conc.
Be	9	45	No Gas	7752.09	8.7	0.995
Al	27	72	No Gas	527729.69	1.0	1.963
V	51	72	He	10488.30	1.2	0.998
Cr	52	72	No Gas	109009.60	7.1	0.993
Mn	55	72	No Gas	95521.49	7.1	0.995
Co	59	72	He	19305.29	1.8	0.998
Ni	60	72	No Gas	17930.35	8.4	0.997
Ni	60	72	He	5469.95	1.2	0.982
Cu	63	72	No Gas	50583.45	8.0	0.996
Cu	63	72	He	17921.30	1.3	0.999
Zn	66	72	No Gas	25104.62	6.8	2.012
As	75	72	No Gas	9944.18	34.4	0.950
Se	78	72	He	136.33	13.6	0.953
Se	82	72	No Gas	584.75	6.7	0.913
Sr	88	89	No Gas	103689.06	7.2	0.998
Mo	98	89	No Gas	29186.02	8.3	0.997
Ag	107	89	No Gas	44681.06	7.0	0.994
Cd	111	89	No Gas	15167.62	4.0	0.999
Sb	123	89	No Gas	30340.79	9.0	1.000
Ba	137	115	No Gas	15279.82	6.2	0.999
Tl	203	115	No Gas	30280.19	5.8	0.998
Pb	208	115	No Gas	97483.13	6.5	1.000
U	238	115	No Gas	91232.36	8.2	0.999

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16452036.01	0.9	16506661.57	99.67	60	125	
Ge	72	No Gas	8700570.21	1.1	8699060.49	100.02	60	125	
Ge	72	He	1061066.31	2.0	1059437.18	100.15	60	125	
Y	89	No Gas	12193485.63	1.0	12211136.46	99.86	60	125	
Rh	103	No Gas	10790993.46	1.3	10866053.74	99.31	60	125	
In	115	No Gas	11466699.82	1.1	11491297.6	99.79	60	125	

7900 ICP-MS 200.8/6020B
Calibration Standard Report

Sample Name	Calibration Std 3
File Name	006CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 14:55:59
Sample Type	CalStd
Vial Number	1105
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	CPS	RSD	Conc.
Be	9	45	No Gas	20110.58	6.3	2.516
Al	27	72	No Gas	678116.90	3.2	4.989
V	51	72	He	24534.30	1.5	2.491
Cr	52	72	No Gas	207987.32	6.8	2.499
Mn	55	72	No Gas	224836.58	6.7	2.502
Co	59	72	He	47435.44	2.7	2.490
Ni	60	72	No Gas	42598.64	5.8	2.499
Ni	60	72	He	13067.12	0.1	2.487
Cu	63	72	No Gas	108491.29	6.9	2.515
Cu	63	72	He	37731.09	0.7	2.511
Zn	66	72	No Gas	55889.57	5.7	5.029
As	75	72	No Gas	25582.99	8.2	2.461
Se	78	72	He	278.67	2.9	2.475
Se	82	72	No Gas	1636.87	6.3	2.492
Sr	88	89	No Gas	256872.36	6.9	2.496
Mo	98	89	No Gas	73874.39	6.6	2.501
Ag	107	89	No Gas	111363.82	5.9	2.495
Cd	111	89	No Gas	30000.19	5.4	2.503
Sb	123	89	No Gas	74490.34	6.1	2.493
Ba	137	115	No Gas	37559.01	5.7	2.499
Tl	203	115	No Gas	75693.67	6.4	2.503
Pb	208	115	No Gas	243767.46	6.1	2.505
U	238	115	No Gas	230054.50	5.7	2.506

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16337988.24	1.2	16506661.57	98.98	60	125	
Ge	72	No Gas	8685777.15	2.0	8699060.49	99.85	60	125	
Ge	72	He	1067204.37	1.6	1059437.18	100.73	60	125	
Y	89	No Gas	12286610.90	1.8	12211136.46	100.62	60	125	
Rh	103	No Gas	10806796.79	2.4	10866053.74	99.45	60	125	
In	115	No Gas	11384210.66	1.6	11491297.6	99.07	60	125	

7900 ICP-MS 200.8/6020B
Calibration Standard Report

Sample Name	Calibration Std 4
File Name	007CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 14:58:06
Sample Type	CalStd
Vial Number	1106
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	CPS	RSD	Conc.
Be	9	45	No Gas	39929.72	10.2	5.004
Al	27	72	No Gas	946623.26	4.7	10.072
V	51	72	He	48430.55	2.7	5.000
Cr	52	72	No Gas	368638.07	9.6	4.986
Mn	55	72	No Gas	436635.87	9.3	4.994
Co	59	72	He	96851.84	0.6	5.017
Ni	60	72	No Gas	84354.42	7.2	5.007
Ni	60	72	He	25887.93	1.3	4.996
Cu	63	72	No Gas	204878.32	8.3	5.021
Cu	63	72	He	72372.31	0.4	5.043
Zn	66	72	No Gas	107752.14	7.5	10.047
As	75	72	No Gas	51937.60	7.9	4.973
Se	78	72	He	551.34	6.5	5.066
Se	82	72	No Gas	3140.53	13.1	4.934
Sr	88	89	No Gas	506643.14	8.9	4.995
Mo	98	89	No Gas	146073.95	7.7	4.996
Ag	107	89	No Gas	224215.07	8.0	5.016
Cd	111	89	No Gas	53600.83	6.4	4.993
Sb	123	89	No Gas	149025.25	7.5	5.009
Ba	137	115	No Gas	75460.97	8.3	4.995
Tl	203	115	No Gas	150977.74	8.3	4.986
Pb	208	115	No Gas	485240.23	7.5	4.986
U	238	115	No Gas	460658.71	6.8	4.991

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16268285.46	0.5	16506661.57	98.56	60	125	
Ge	72	No Gas	8686982.43	1.2	8699060.49	99.86	60	125	
Ge	72	He	1069923.81	2.0	1059437.18	100.99	60	125	
Y	89	No Gas	12196733.96	0.8	12211136.46	99.88	60	125	
Rh	103	No Gas	10841999.57	0.8	10866053.74	99.78	60	125	
In	115	No Gas	11518684.27	0.2	11491297.6	100.24	60	125	

7900 ICP-MS 200.8/6020B
Calibration Standard Report

Sample Name	Calibration Std 5
File Name	008CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:00:13
Sample Type	CalStd
Vial Number	1107
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	CPS	RSD	Conc.
Be	9	45	No Gas	79414.00	8.1	9.971
Al	27	72	No Gas	1510055.15	6.6	20.276
V	51	72	He	97444.15	1.3	10.026
Cr	52	72	No Gas	702504.11	10.0	10.041
Mn	55	72	No Gas	865108.09	8.5	10.019
Co	59	72	He	191424.17	1.0	9.967
Ni	60	72	No Gas	167715.53	9.9	10.025
Ni	60	72	He	51858.62	2.0	10.006
Cu	63	72	No Gas	401813.42	9.1	10.067
Cu	63	72	He	140642.19	1.8	10.033
Zn	66	72	No Gas	209088.62	9.5	20.031
As	75	72	No Gas	104618.81	9.2	9.991
Se	78	72	He	1027.04	3.6	9.935
Se	82	72	No Gas	6532.11	10.2	10.063
Sr	88	89	No Gas	1030192.74	8.9	10.016
Mo	98	89	No Gas	294001.76	8.5	9.988
Ag	107	89	No Gas	448560.81	7.7	9.984
Cd	111	89	No Gas	101239.61	7.3	9.959
Sb	123	89	No Gas	298274.28	6.7	9.984
Ba	137	115	No Gas	150329.43	6.9	10.015
Tl	203	115	No Gas	304692.97	8.1	10.040
Pb	208	115	No Gas	986367.49	7.8	10.059
U	238	115	No Gas	933560.15	8.9	10.052

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16380332.68	1.0	16506661.57	99.23	60	125	
Ge	72	No Gas	8632853.27	1.6	8699060.49	99.24	60	125	
Ge	72	He	1075374.50	1.3	1059437.18	101.5	60	125	
Y	89	No Gas	12327679.79	0.8	12211136.46	100.95	60	125	
Rh	103	No Gas	10891247.07	1.5	10866053.74	100.23	60	125	
In	115	No Gas	11403543.44	1.1	11491297.6	99.24	60	125	

7900 ICP-MS 200.8/6020B
Calibration Standard Report

Sample Name	Calibration Std 6
File Name	009CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:02:21
Sample Type	CalStd
Vial Number	1108
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	CPS	RSD	Conc.
Be	9	45	No Gas	208513.92	7.2	25.207
Al	27	72	No Gas	3176518.76	5.4	50.199
V	51	72	He	246139.76	2.6	25.078
Cr	52	72	No Gas	1710247.99	6.7	25.049
Mn	55	72	No Gas	2199568.80	6.6	25.096
Co	59	72	He	482798.05	1.8	25.022
Ni	60	72	No Gas	433308.52	6.4	25.158
Ni	60	72	He	130553.26	0.9	25.049
Cu	63	72	No Gas	1030282.98	6.7	25.216
Cu	63	72	He	350360.97	1.4	25.101
Zn	66	72	No Gas	527872.57	6.6	50.203
As	75	72	No Gas	274259.28	5.7	25.154
Se	78	72	He	2526.56	2.9	25.006
Se	82	72	No Gas	16816.00	7.2	25.121
Sr	88	89	No Gas	2593165.45	5.3	25.091
Mo	98	89	No Gas	763545.67	5.5	25.208
Ag	107	89	No Gas	1160471.07	5.2	25.192
Cd	111	89	No Gas	253730.91	6.1	25.193
Sb	123	89	No Gas	768459.28	5.5	25.175
Ba	137	115	No Gas	387760.57	5.9	25.147
Tl	203	115	No Gas	793901.55	5.3	25.199
Pb	208	115	No Gas	2542771.32	6.5	25.162
U	238	115	No Gas	2402313.24	6.3	25.149

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16350287.68	0.8	16506661.57	99.05	60	125	
Ge	72	No Gas	8670256.32	1.3	8699060.49	99.67	60	125	
Ge	72	He	1076222.28	2.7	1059437.18	101.58	60	125	
Y	89	No Gas	12187888.96	1.4	12211136.46	99.81	60	125	
Rh	103	No Gas	10851710.68	2.6	10866053.74	99.87	60	125	
In	115	No Gas	11395490.10	1.9	11491297.6	99.17	60	125	

7900 ICP-MS 200.8/6020B
Calibration Standard Report

Sample Name	Calibration Std 7
File Name	010CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:04:38
Sample Type	CalStd
Vial Number	1109
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	CPS	RSD	Conc.
Be	9	45	No Gas	403906.93	10.4	49.541
Al	27	72	No Gas	5661471.03	8.6	98.450
V	51	72	He	483411.47	1.9	49.873
Cr	52	72	No Gas	3256929.66	9.6	49.370
Mn	55	72	No Gas	4216637.89	10.1	49.355
Co	59	72	He	960232.64	1.9	49.972
Ni	60	72	No Gas	831682.27	10.6	49.391
Ni	60	72	He	259440.93	1.8	49.988
Cu	63	72	No Gas	1941463.22	9.4	49.257
Cu	63	72	He	690897.04	1.5	49.999
Zn	66	72	No Gas	1016367.32	10.1	98.885
As	75	72	No Gas	533535.23	10.4	49.505
Se	78	72	He	4871.18	0.4	49.696
Se	82	72	No Gas	32216.96	9.9	49.321
Sr	88	89	No Gas	4960108.41	10.4	49.319
Mo	98	89	No Gas	1456574.80	10.1	49.339
Ag	107	89	No Gas	2200834.70	9.7	49.261
Cd	111	89	No Gas	486154.26	8.5	49.509
Sb	123	89	No Gas	1463084.39	6.8	49.300
Ba	137	115	No Gas	753996.98	8.3	49.547
Tl	203	115	No Gas	1528304.35	8.9	49.449
Pb	208	115	No Gas	4925204.60	8.9	49.509
U	238	115	No Gas	4621854.40	9.1	49.420

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16650098.23	2.9	16506661.57	100.87	60	125	
Ge	72	No Gas	8839847.70	0.8	8699060.49	101.62	60	125	
Ge	72	He	1073743.29	2.0	1059437.18	101.35	60	125	
Y	89	No Gas	12411473.40	1.2	12211136.46	101.64	60	125	
Rh	103	No Gas	10984106.79	0.4	10866053.74	101.09	60	125	
In	115	No Gas	11600684.54	1.3	11491297.6	100.95	60	125	

7900 ICP-MS 200.8/6020B
Initial Calibration Verification (ICV) Report

Sample Name	ICV
File Name	011_ICV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:06:51
Sample Type	ICV
Vial Number	2
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	QC Flag
Be	9	45	No Gas	25.109	ppb	9.2	201547.41	100.44	
Al	27	72	No Gas	51.431	ppb	6.6	3106126.33	102.86	
V	51	72	He	24.630	ppb	0.7	239381.07	98.52	
Cr	52	72	No Gas	24.958	ppb	7.0	1637457.44	99.83	
Mn	55	72	No Gas	25.384	ppb	7.8	2133953.11	101.54	
Co	59	72	He	24.103	ppb	0.5	463527.64	96.41	
Ni	60	72	No Gas	24.753	ppb	6.1	409812.89	99.01	
Ni	60	72	He	24.088	ppb	0.3	125294.50	96.35	
Cu	63	72	No Gas	25.450	ppb	8.0	991587.53	101.8	
Cu	63	72	He	24.458	ppb	0.3	341031.73	97.83	
Zn	66	72	No Gas	49.829	ppb	7.0	505442.39	99.66	
As	75	72	No Gas	25.260	ppb	7.8	266660.11	101.04	
Se	78	72	He	26.347	ppb	2.0	2604.58	105.39	
Se	82	72	No Gas	25.631	ppb	6.8	16414.84	102.52	
Sr	88	89	No Gas	25.196	ppb	6.1	2507906.91	100.78	
Mo	98	89	No Gas	25.687	ppb	7.0	750293.57	102.75	
Ag	107	89	No Gas	26.621	ppb	7.7	1176849.47	106.48	
Cd	111	89	No Gas	24.992	ppb	7.2	245554.74	99.97	
Sb	123	89	No Gas	24.942	ppb	7.3	732411.17	99.77	
Ba	137	115	No Gas	25.214	ppb	6.6	381355.29	100.86	
Tl	203	115	No Gas	24.934	ppb	6.5	765830.30	99.74	
Pb	208	115	No Gas	24.743	ppb	6.3	2446417.50	98.97	
U	238	115	No Gas	25.056	ppb	6.4	2328560.53	100.22	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16349884.35	0.5	16506661.57	99.05	60	125	
Ge	72	No Gas	8666770.77	1.3	8699060.49	99.63	60	125	
Ge	72	He	1074494.26	1.3	1059437.18	101.42	60	125	
Y	89	No Gas	12265471.46	1.0	12211136.46	100.44	60	125	
Rh	103	No Gas	10718345.68	1.4	10866053.74	98.64	60	125	
In	115	No Gas	11510314.26	1.6	11491297.6	100.17	60	125	

7900 ICP-MS 200.8/6020B
Initial Calibration Blank (ICB) Report

Sample Name	ICB
File Name	012_ICB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:09:06
Sample Type	ICB
Vial Number	3
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	QC Flag
Be	9	45	No Gas	0.004	ppb	42.7	41.11	
Al	27	72	No Gas	-0.077	ppb	N/A	422147.32	
V	51	72	He	0.101	ppb	5.2	1855.68	
Cr	52	72	No Gas	0.251	ppb	17.3	59363.83	
Mn	55	72	No Gas	0.014	ppb	14.5	11672.57	
Co	59	72	He	0.002	ppb	64.8	100.00	
Ni	60	72	No Gas	0.002	ppb	824.8	1453.42	
Ni	60	72	He	0.008	ppb	68.8	380.00	
Cu	63	72	No Gas	-0.060	ppb	N/A	12095.35	
Cu	63	72	He	-0.061	ppb	N/A	4517.39	
Zn	66	72	No Gas	-0.031	ppb	N/A	5182.07	
As	75	72	No Gas	0.116	ppb	176.4	54.23	
Se	78	72	He	-0.056	ppb	N/A	34.67	
Se	82	72	No Gas	0.076	ppb	126.9	9.75	
Sr	88	89	No Gas	0.004	ppb	10.5	2071.27	
Mo	98	89	No Gas	0.013	ppb	19.5	444.58	
Ag	107	89	No Gas	0.002	ppb	66.1	417.79	
Cd	111	89	No Gas	-0.002	ppb	N/A	5563.05	
Sb	123	89	No Gas	0.109	ppb	7.3	3593.83	
Ba	137	115	No Gas	0.000	ppb	N/A	198.89	
Tl	203	115	No Gas	0.006	ppb	31.0	300.00	
Pb	208	115	No Gas	0.007	ppb	26.0	1694.49	
U	238	115	No Gas	0.002	ppb	34.1	221.11	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16126706.03	1.2	16506661.57	97.7	60	125	
Ge	72	No Gas	8669311.04	1.4	8699060.49	99.66	60	125	
Ge	72	He	1038950.65	2.0	1059437.18	98.07	60	125	
Y	89	No Gas	12199881.74	1.6	12211136.46	99.91	60	125	
Rh	103	No Gas	10861337.62	1.8	10866053.74	99.96	60	125	
In	115	No Gas	11483042.32	1.4	11491297.6	99.93	60	125	

7900 ICP-MS 200.8/6020B
High-Level Continuing Calibration Verification (HLCCV) Report

Sample Name	HLCCV2
File Name	013HCCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:11:27
Sample Type	HLCCV2
Vial Number	1111
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	%Rec	QC Flag
Be	9	45	No Gas	151.397	ppb	63.0	1306115.85	75.7	> +/-10%
Al	27	72	No Gas	142.762	ppb	62.7	8549845.77	71.38	> +/-10%
V	51	72	He	196.309	ppb	1.7	1900595.34	98.15	
Cr	52	72	No Gas	144.708	ppb	62.7	10058355.29	72.35	> +/-10%
Mn	55	72	No Gas	144.834	ppb	62.9	13127164.48	72.42	> +/-10%
Co	59	72	He	192.070	ppb	0.9	3691659.58	96.04	
Ni	60	72	No Gas	141.032	ppb	62.8	2521004.38	70.52	> +/-10%
Ni	60	72	He	194.026	ppb	1.3	1006368.67	97.01	
Cu	63	72	No Gas	143.031	ppb	61.9	5967748.72	71.52	> +/-10%
Cu	63	72	He	192.873	ppb	1.2	2650248.65	96.44	
Zn	66	72	No Gas	138.373	ppb	62.1	1510600.67	69.19	> +/-10%
As	75	72	No Gas	137.053	ppb	61.4	1574334.32	68.53	> +/-10%
Se	78	72	He	193.695	ppb	0.5	18876.29	96.85	
Se	82	72	No Gas	139.306	ppb	62.1	96842.99	69.65	> +/-10%
Sr	88	89	No Gas	143.318	ppb	61.3	15515200.08	71.66	> +/-10%
Mo	98	89	No Gas	143.157	ppb	60.9	4552150.52	71.58	> +/-10%
Ag	107	89	No Gas	125.099	ppb	61.4	6015640.46	62.55	> +/-10%
Cd	111	89	No Gas	137.530	ppb	59.8	1445634.79	68.76	> +/-10%
Sb	123	89	No Gas	141.954	ppb	60.5	4537615.24	70.98	> +/-10%
Ba	137	115	No Gas	143.197	ppb	61.3	2327896.43	71.6	> +/-10%
Tl	203	115	No Gas	143.562	ppb	61.5	4739284.32	71.78	> +/-10%
Pb	208	115	No Gas	144.898	ppb	61.4	15397941.36	72.45	> +/-10%
U	238	115	No Gas	148.527	ppb	60.4	14856948.86	74.26	> +/-10%

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	18890315.36	16.7	16506661.57	114.44	60	125	
Ge	72	No Gas	10063740.43	16.1	8699060.49	115.69	60	125	
Ge	72	He	1074103.57	1.3	1059437.18	101.38	60	125	
Y	89	No Gas	14236452.77	15.3	12211136.46	116.59	60	125	
Rh	103	No Gas	12553023.95	17.4	10866053.74	115.53	60	125	
In	115	No Gas	13347219.47	17.7	11491297.6	116.15	60	125	

7900 ICP-MS 200.8/6020B
High-Level Continuing Calibration Verification (HLCCV) Report

Sample Name	HLCCV3
File Name	014_QC1.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:13:42
Sample Type	QC1
Vial Number	1112
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	%Rec	QC Flag
Be	9	45	No Gas	427.123	ppb	5.2	3424096.46	106.78	
Al	27	72	No Gas	404.503	ppb	5.2	21540391.37	101.13	
V	51	72	He	399.265	ppb	0.8	3834408.32	99.82	
Cr	52	72	No Gas	407.090	ppb	6.6	26089930.63	101.77	
Mn	55	72	No Gas	411.640	ppb	6.1	34501234.18	102.91	
Co	59	72	He	395.153	ppb	1.1	7534716.65	98.79	
Ni	60	72	No Gas	401.271	ppb	5.7	6632795.85	100.32	
Ni	60	72	He	396.094	ppb	1.2	2037628.04	99.02	
Cu	63	72	No Gas	407.212	ppb	4.4	15674043.82	101.8	
Cu	63	72	He	395.150	ppb	0.5	5381410.90	98.79	
Zn	66	72	No Gas	396.363	ppb	5.3	3988854.98	99.09	
As	75	72	No Gas	391.962	ppb	5.2	4161553.11	97.99	
Se	78	72	He	400.136	ppb	1.2	38649.56	100.03	
Se	82	72	No Gas	403.223	ppb	5.6	259227.03	100.81	
Sr	88	89	No Gas	401.850	ppb	5.7	40179167.29	100.46	
Mo	98	89	No Gas	408.350	ppb	4.9	11988091.84	102.09	
Ag	107	89	No Gas	181.253	ppb	4.4	8049746.90	45.31	> +/-10%
Cd	111	89	No Gas	390.960	ppb	5.2	3778361.52	97.74	
Sb	123	89	No Gas	405.234	ppb	4.8	11951289.25	101.31	
Ba	137	115	No Gas	404.449	ppb	4.5	6111078.37	101.11	
Tl	203	115	No Gas	408.890	ppb	4.3	12548974.78	102.22	
Pb	208	115	No Gas	408.931	ppb	3.7	40390100.06	102.23	
U	238	115	No Gas	419.023	ppb	4.1	38910381.79	104.76	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16324004.91	1.5	16506661.57	98.89	60	125	
Ge	72	No Gas	8682661.05	1.5	8699060.49	99.81	60	125	
Ge	72	He	1065627.18	1.9	1059437.18	100.58	60	125	
Y	89	No Gas	12326695.90	2.3	12211136.46	100.95	60	125	
Rh	103	No Gas	10914304.01	2.3	10866053.74	100.44	60	125	
In	115	No Gas	11504729.27	2.6	11491297.6	100.12	60	125	

7900 ICP-MS 200.8/6020B
Continuing Calibration Verification (CCV) Report

Sample Name	CCV
File Name	015_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:15:55
Sample Type	CCV
Vial Number	2
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	QC Flag
Be	9	45	No Gas	25.439	ppb	8.5	204931.08	101.76	
Al	27	72	No Gas	50.836	ppb	6.1	3066151.27	101.67	
V	51	72	He	24.831	ppb	0.8	239791.61	99.32	
Cr	52	72	No Gas	25.115	ppb	7.0	1642690.49	100.46	
Mn	55	72	No Gas	25.791	ppb	7.8	2161562.69	103.16	
Co	59	72	He	24.308	ppb	0.8	464567.57	97.23	
Ni	60	72	No Gas	24.690	ppb	7.7	407632.48	98.76	
Ni	60	72	He	24.243	ppb	0.2	125316.87	96.97	
Cu	63	72	No Gas	25.516	ppb	7.6	991179.71	102.06	
Cu	63	72	He	24.707	ppb	1.7	342296.55	98.83	
Zn	66	72	No Gas	50.147	ppb	7.4	507152.86	100.29	
As	75	72	No Gas	25.403	ppb	7.4	267370.98	101.61	
Se	78	72	He	25.724	ppb	2.0	2527.23	102.9	
Se	82	72	No Gas	25.909	ppb	6.9	16544.74	103.64	
Sr	88	89	No Gas	25.424	ppb	6.1	2522211.84	101.7	
Mo	98	89	No Gas	25.422	ppb	6.9	740062.06	101.69	
Ag	107	89	No Gas	26.711	ppb	6.8	1176804.36	106.84	
Cd	111	89	No Gas	24.947	ppb	6.6	244302.88	99.79	
Sb	123	89	No Gas	25.159	ppb	7.4	736278.20	100.64	
Ba	137	115	No Gas	25.145	ppb	6.0	380466.87	100.58	
Tl	203	115	No Gas	25.321	ppb	5.8	777972.64	101.28	
Pb	208	115	No Gas	25.096	ppb	6.3	2482381.99	100.38	
U	238	115	No Gas	25.462	ppb	5.9	2367205.11	101.85	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16404697.68	0.7	16506661.57	99.38	60	125	
Ge	72	No Gas	8642855.77	0.9	8699060.49	99.35	60	125	
Ge	72	He	1067793.78	2.2	1059437.18	100.79	60	125	
Y	89	No Gas	12224693.68	1.0	12211136.46	100.11	60	125	
Rh	103	No Gas	10806560.40	1.3	10866053.74	99.45	60	125	
In	115	No Gas	11514696.21	1.6	11491297.6	100.2	60	125	

7900 ICP-MS 200.8/6020B
Continuing Calibration Blank (CCB) Report

Sample Name	CCB
File Name	016_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:18:08
Sample Type	CCB
Vial Number	3
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	QC Flag
Be	9	45	No Gas	0.026	ppb	8.6	213.34	
Al	27	72	No Gas	-0.139	ppb	N/A	419927.01	
V	51	72	He	0.101	ppb	3.0	1830.12	
Cr	52	72	No Gas	0.197	ppb	23.4	56065.59	
Mn	55	72	No Gas	0.023	ppb	16.0	12396.49	
Co	59	72	He	0.008	ppb	7.7	200.00	
Ni	60	72	No Gas	0.007	ppb	110.2	1541.20	
Ni	60	72	He	0.015	ppb	29.2	411.12	
Cu	63	72	No Gas	-0.099	ppb	N/A	10602.93	
Cu	63	72	He	-0.116	ppb	N/A	3736.05	
Zn	66	72	No Gas	-0.019	ppb	N/A	5316.57	
As	75	72	No Gas	0.030	ppb	384.5	-883.28	
Se	78	72	He	-0.029	ppb	N/A	36.67	
Se	82	72	No Gas	0.189	ppb	27.4	82.38	
Sr	88	89	No Gas	0.006	ppb	19.5	2299.08	
Mo	98	89	No Gas	0.036	ppb	9.4	1096.57	
Ag	107	89	No Gas	0.006	ppb	18.3	570.01	
Cd	111	89	No Gas	0.007	ppb	376.1	5672.03	
Sb	123	89	No Gas	0.205	ppb	4.2	6424.90	
Ba	137	115	No Gas	0.002	ppb	73.8	230.00	
Tl	203	115	No Gas	0.026	ppb	28.1	893.37	
Pb	208	115	No Gas	0.029	ppb	15.1	3762.45	
U	238	115	No Gas	0.006	ppb	11.8	590.01	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16121331.03	1.1	16506661.57	97.67	60	125	
Ge	72	No Gas	8690397.71	1.8	8699060.49	99.9	60	125	
Ge	72	He	1023212.04	1.4	1059437.18	96.58	60	125	
Y	89	No Gas	12250446.74	2.1	12211136.46	100.32	60	125	
Rh	103	No Gas	10891332.90	2.4	10866053.74	100.23	60	125	
In	115	No Gas	11458141.49	2.5	11491297.6	99.71	60	125	

7900 ICP-MS 200.8/6020B
Prep Blank (PB) Report

Sample Name	PBW-482286
File Name	017_PB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:20:21
Sample Type	PB
Vial Number	3101
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	QC Flag
Be	9	45	No Gas	0.011	ppb	17.1	96.66	
Al	27	72	No Gas	0.847	ppb	8.5	472917.24	
V	51	72	He	-0.007	ppb	N/A	851.14	
Cr	52	72	No Gas	0.019	ppb	120.5	44814.64	
Mn	55	72	No Gas	0.065	ppb	3.6	16023.45	
Co	59	72	He	0.003	ppb	27.4	114.44	
Ni	60	72	No Gas	0.010	ppb	145.0	1602.32	
Ni	60	72	He	0.029	ppb	22.7	491.12	
Cu	63	72	No Gas	-0.185	ppb	N/A	7314.12	
Cu	63	72	He	-0.219	ppb	N/A	2431.33	
Zn	66	72	No Gas	0.963	ppb	2.7	15243.79	
As	75	72	No Gas	0.069	ppb	208.1	-448.72	
Se	78	72	He	0.044	ppb	17.3	44.33	
Se	82	72	No Gas	0.096	ppb	33.2	23.24	
Sr	88	89	No Gas	0.010	ppb	3.2	2729.16	
Mo	98	89	No Gas	0.013	ppb	21.8	431.67	
Ag	107	89	No Gas	0.000	ppb	N/A	297.78	
Cd	111	89	No Gas	0.001	ppb	893.8	5584.44	
Sb	123	89	No Gas	0.039	ppb	13.1	1560.10	
Ba	137	115	No Gas	0.007	ppb	6.3	306.67	
Tl	203	115	No Gas	0.007	ppb	38.1	325.56	
Pb	208	115	No Gas	0.009	ppb	11.0	1812.28	
U	238	115	No Gas	0.003	ppb	10.8	268.89	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16476441.01	0.8	16506661.57	99.82	60	125	
Ge	72	No Gas	8718201.04	2.1	8699060.49	100.22	60	125	
Ge	72	He	1045446.97	2.1	1059437.18	98.68	60	125	
Y	89	No Gas	12181063.96	1.8	12211136.46	99.75	60	125	
Rh	103	No Gas	10924517.06	2.8	10866053.74	100.54	60	125	
In	115	No Gas	11548291.21	1.3	11491297.6	100.5	60	125	

7900 ICP-MS 200.8/6020B
Prep Blank (PB) Report

Sample Name	PBW-482284
File Name	018_PB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:22:34
Sample Type	PB
Vial Number	3102
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	QC Flag
Be	9	45	No Gas	0.010	ppb	10.2	92.22	
Al	27	72	No Gas	0.830	ppb	23.2	463121.98	
V	51	72	He	-0.013	ppb	N/A	805.58	
Cr	52	72	No Gas	0.083	ppb	54.6	47971.66	
Mn	55	72	No Gas	0.069	ppb	6.1	15987.86	
Co	59	72	He	0.002	ppb	78.5	98.89	
Ni	60	72	No Gas	0.023	ppb	30.8	1789.01	
Ni	60	72	He	0.023	ppb	27.0	465.56	
Cu	63	72	No Gas	-0.185	ppb	N/A	7171.82	
Cu	63	72	He	-0.220	ppb	N/A	2462.44	
Zn	66	72	No Gas	0.808	ppb	7.4	13416.38	
As	75	72	No Gas	0.018	ppb	980.3	-950.49	
Se	78	72	He	-0.032	ppb	N/A	37.67	
Se	82	72	No Gas	0.041	ppb	37.9	-12.12	
Sr	88	89	No Gas	0.006	ppb	13.9	2329.08	
Mo	98	89	No Gas	0.011	ppb	10.5	362.29	
Ag	107	89	No Gas	-0.001	ppb	N/A	261.11	
Cd	111	89	No Gas	-0.016	ppb	N/A	5410.02	
Sb	123	89	No Gas	0.032	ppb	29.9	1344.52	
Ba	137	115	No Gas	0.004	ppb	40.7	258.89	
Tl	203	115	No Gas	0.005	ppb	16.1	244.45	
Pb	208	115	No Gas	0.008	ppb	10.7	1698.94	
U	238	115	No Gas	0.001	ppb	19.8	165.56	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16291559.91	2.7	16506661.57	98.7	60	125	
Ge	72	No Gas	8555898.55	3.3	8699060.49	98.35	60	125	
Ge	72	He	1059929.16	0.8	1059437.18	100.05	60	125	
Y	89	No Gas	12150670.63	2.6	12211136.46	99.5	60	125	
Rh	103	No Gas	10768154.30	2.6	10866053.74	99.1	60	125	
In	115	No Gas	11391018.99	1.8	11491297.6	99.13	60	125	

7900 ICP-MS 200.8/6020B
Sample Report

Sample Name	LOQ
File Name	019SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:24:47
Sample Type	Sample
Vial Number	3103
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	QC Flag
Be	9	45	No Gas	0.532	ppb	8.2	4275.08	
Al	27	72	No Gas	11.137	ppb	2.6	1005127.77	
V	51	72	He	0.565	ppb	1.9	6248.04	
Cr	52	72	No Gas	2.639	ppb	6.3	211668.39	
Mn	55	72	No Gas	1.153	ppb	4.9	106761.45	
Co	59	72	He	0.511	ppb	2.9	9629.94	
Ni	60	72	No Gas	1.178	ppb	2.7	20837.55	
Ni	60	72	He	1.186	ppb	0.8	6336.97	
Cu	63	72	No Gas	2.025	ppb	4.2	91986.85	
Cu	63	72	He	2.014	ppb	1.3	32279.92	
Zn	66	72	No Gas	10.289	ppb	4.3	108595.53	
As	75	72	No Gas	1.124	ppb	16.4	10725.59	
Se	78	72	He	1.017	ppb	19.7	136.67	
Se	82	72	No Gas	1.021	ppb	9.1	615.91	
Sr	88	89	No Gas	1.053	ppb	1.9	106214.59	
Mo	98	89	No Gas	0.528	ppb	3.2	15440.28	
Ag	107	89	No Gas	0.538	ppb	2.9	24042.22	
Cd	111	89	No Gas	0.523	ppb	2.1	10605.94	
Sb	123	89	No Gas	1.156	ppb	3.0	34267.68	
Ba	137	115	No Gas	1.030	ppb	3.7	15932.79	
Tl	203	115	No Gas	0.510	ppb	4.8	15924.28	
Pb	208	115	No Gas	0.538	ppb	3.7	54685.84	
U	238	115	No Gas	0.522	ppb	3.3	49046.84	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16344678.24	0.6	16506661.57	99.02	60	125	
Ge	72	No Gas	8657112.71	1.8	8699060.49	99.52	60	125	
Ge	72	He	1046539.09	1.1	1059437.18	98.78	60	125	
Y	89	No Gas	12237764.24	3.4	12211136.46	100.22	60	125	
Rh	103	No Gas	10907985.12	2.7	10866053.74	100.39	60	125	
In	115	No Gas	11623749.54	2.4	11491297.6	101.15	60	125	

7900 ICP-MS 200.8/6020B
Sample Report

Sample Name	LOD
File Name	020SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:27:01
Sample Type	Sample
Vial Number	3104
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	QC Flag
Be	9	45	No Gas	0.277	ppb	9.2	2224.62	
Al	27	72	No Gas	5.888	ppb	2.2	737313.08	
V	51	72	He	0.272	ppb	5.8	3514.88	
Cr	52	72	No Gas	1.206	ppb	6.0	121083.41	
Mn	55	72	No Gas	0.579	ppb	2.2	59260.68	
Co	59	72	He	0.249	ppb	3.4	4754.14	
Ni	60	72	No Gas	0.522	ppb	4.1	10094.71	
Ni	60	72	He	0.503	ppb	2.4	2906.97	
Cu	63	72	No Gas	0.902	ppb	3.0	49281.22	
Cu	63	72	He	0.853	ppb	2.3	16901.16	
Zn	66	72	No Gas	5.464	ppb	3.5	60679.04	
As	75	72	No Gas	0.687	ppb	6.3	6118.41	
Se	78	72	He	0.499	ppb	27.7	88.33	
Se	82	72	No Gas	0.657	ppb	11.2	385.81	
Sr	88	89	No Gas	0.530	ppb	3.5	53760.27	
Mo	98	89	No Gas	0.265	ppb	2.5	7696.19	
Ag	107	89	No Gas	0.274	ppb	2.7	12263.27	
Cd	111	89	No Gas	0.273	ppb	10.7	8130.38	
Sb	123	89	No Gas	0.598	ppb	2.9	17746.02	
Ba	137	115	No Gas	0.531	ppb	1.6	8201.40	
Tl	203	115	No Gas	0.256	ppb	5.1	7943.57	
Pb	208	115	No Gas	0.268	ppb	2.8	27325.87	
U	238	115	No Gas	0.263	ppb	3.6	24361.15	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16256653.80	2.5	16506661.57	98.49	60	125	
Ge	72	No Gas	8719821.60	2.5	8699060.49	100.24	60	125	
Ge	72	He	1055038.88	2.0	1059437.18	99.58	60	125	
Y	89	No Gas	12117189.79	2.5	12211136.46	99.23	60	125	
Rh	103	No Gas	10829322.90	2.2	10866053.74	99.66	60	125	
In	115	No Gas	11473769.55	2.2	11491297.6	99.85	60	125	

7900 ICP-MS 200.8/6020B
Sample Report

Sample Name	MDLA1
File Name	021SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:29:13
Sample Type	Sample
Vial Number	3105
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	QC Flag
Be	9	45	No Gas	0.110	ppb	5.9	895.58	
Al	27	72	No Gas	2.798	ppb	0.5	575330.76	
V	51	72	He	0.125	ppb	9.1	2104.60	
Cr	52	72	No Gas	0.539	ppb	11.5	78217.69	
Mn	55	72	No Gas	0.272	ppb	6.3	33443.71	
Co	59	72	He	0.097	ppb	3.3	1880.13	
Ni	60	72	No Gas	0.223	ppb	4.1	5134.27	
Ni	60	72	He	0.232	ppb	11.1	1517.86	
Cu	63	72	No Gas	0.245	ppb	10.1	23912.43	
Cu	63	72	He	0.226	ppb	4.5	8418.06	
Zn	66	72	No Gas	2.677	ppb	5.5	32546.43	
As	75	72	No Gas	0.503	ppb	36.3	4142.18	
Se	78	72	He	0.151	ppb	33.4	54.67	
Se	82	72	No Gas	0.357	ppb	8.3	191.57	
Sr	88	89	No Gas	0.215	ppb	3.4	23094.77	
Mo	98	89	No Gas	0.110	ppb	3.8	3247.89	
Ag	107	89	No Gas	0.109	ppb	2.3	5144.31	
Cd	111	89	No Gas	0.101	ppb	24.6	6571.64	
Sb	123	89	No Gas	0.268	ppb	4.8	8271.42	
Ba	137	115	No Gas	0.215	ppb	5.3	3463.79	
Tl	203	115	No Gas	0.103	ppb	3.2	3281.53	
Pb	208	115	No Gas	0.112	ppb	2.2	11999.99	
U	238	115	No Gas	0.106	ppb	3.4	9843.83	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16379664.35	1.1	16506661.57	99.23	60	125	
Ge	72	No Gas	8719781.88	1.4	8699060.49	100.24	60	125	
Ge	72	He	1050069.50	2.5	1059437.18	99.12	60	125	
Y	89	No Gas	12248368.68	2.3	12211136.46	100.3	60	125	
Rh	103	No Gas	10880207.07	2.7	10866053.74	100.13	60	125	
In	115	No Gas	11519421.49	2.0	11491297.6	100.24	60	125	

7900 ICP-MS 200.8/6020B
Laboratory Control Sample (LCS) Report

Sample Name	LCSW-482286
File Name	022_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:31:36
Sample Type	LCS
Vial Number	3106
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	QC Flag
Be	9	45	No Gas	15.533	ppb	59.6	134035.57	77.66	> +/-15%
Al	27	72	No Gas	32.714	ppb	57.8	2306038.45	81.78	> +/-15%
V	51	72	He	20.077	ppb	1.2	196256.31	100.39	
Cr	52	72	No Gas	15.189	ppb	61.2	1081824.80	75.94	> +/-15%
Mn	55	72	No Gas	15.587	ppb	58.9	1403257.39	77.94	> +/-15%
Co	59	72	He	19.749	ppb	1.0	381595.97	98.74	
Ni	60	72	No Gas	15.133	ppb	58.9	268023.18	75.66	> +/-15%
Ni	60	72	He	19.647	ppb	1.4	102730.68	98.24	
Cu	63	72	No Gas	15.511	ppb	60.1	651042.11	77.55	> +/-15%
Cu	63	72	He	19.679	ppb	1.3	276747.56	98.39	
Zn	66	72	No Gas	30.183	ppb	58.9	329425.29	75.46	> +/-15%
As	75	72	No Gas	15.266	ppb	57.7	171585.64	76.33	> +/-15%
Se	78	72	He	20.379	ppb	2.2	2033.82	101.9	
Se	82	72	No Gas	15.042	ppb	59.1	10255.84	75.21	> +/-15%
Sr	88	89	No Gas	15.297	ppb	58.5	1639384.03	76.48	> +/-15%
Mo	98	89	No Gas	15.248	ppb	58.3	479341.61	76.24	> +/-15%
Ag	107	89	No Gas	15.873	ppb	58.1	755582.33	79.36	> +/-15%
Cd	111	89	No Gas	14.613	ppb	58.8	157354.46	73.06	> +/-15%
Sb	123	89	No Gas	15.502	ppb	57.5	490570.24	77.51	> +/-15%
Ba	137	115	No Gas	15.326	ppb	57.0	248004.55	76.63	> +/-15%
Tl	203	115	No Gas	15.250	ppb	58.5	500043.31	76.25	> +/-15%
Pb	208	115	No Gas	15.202	ppb	58.0	1605809.73	76.01	> +/-15%
U	238	115	No Gas	15.640	ppb	57.0	1554318.19	78.2	> +/-15%

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	18802984.81	16.4	16506661.57	113.91	60	125	
Ge	72	No Gas	9861650.72	15.7	8699060.49	113.36	60	125	
Ge	72	He	1079675.72	2.4	1059437.18	101.91	60	125	
Y	89	No Gas	14105414.44	16.4	12211136.46	115.51	60	125	
Rh	103	No Gas	12147967.85	16.7	10866053.74	111.8	60	125	
In	115	No Gas	13188187.53	17.4	11491297.6	114.77	60	125	

7900 ICP-MS 200.8/6020B
Laboratory Control Sample (LCS) Report

Sample Name	LCSW-482284
File Name	023_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:33:53
Sample Type	LCS
Vial Number	3107
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	QC Flag
Be	9	45	No Gas	21.007	ppb	5.4	170233.14	105.04	
Al	27	72	No Gas	43.631	ppb	3.2	2714626.84	109.08	
V	51	72	He	20.389	ppb	0.6	197076.42	101.94	
Cr	52	72	No Gas	21.016	ppb	4.4	1393476.44	105.08	
Mn	55	72	No Gas	21.274	ppb	4.6	1800054.45	106.37	
Co	59	72	He	20.053	ppb	0.6	383221.35	100.26	
Ni	60	72	No Gas	20.601	ppb	5.1	343292.37	103	
Ni	60	72	He	19.951	ppb	0.9	103180.65	99.76	
Cu	63	72	No Gas	20.922	ppb	4.7	822304.53	104.61	
Cu	63	72	He	20.245	ppb	0.6	281458.31	101.22	
Zn	66	72	No Gas	41.219	ppb	5.1	421450.46	103.05	
As	75	72	No Gas	20.805	ppb	4.8	220642.46	104.02	
Se	78	72	He	20.853	ppb	1.8	2057.15	104.27	
Se	82	72	No Gas	21.188	ppb	5.9	13641.49	105.94	
Sr	88	89	No Gas	20.985	ppb	4.6	2080295.27	104.92	
Mo	98	89	No Gas	21.064	ppb	5.0	612680.91	105.32	
Ag	107	89	No Gas	22.096	ppb	4.4	972701.38	110.48	
Cd	111	89	No Gas	20.444	ppb	5.0	201046.36	102.22	
Sb	123	89	No Gas	21.107	ppb	5.4	617269.45	105.54	
Ba	137	115	No Gas	20.829	ppb	4.6	313476.99	104.14	
Tl	203	115	No Gas	21.046	ppb	5.0	643132.60	105.23	
Pb	208	115	No Gas	20.832	ppb	5.3	2049654.25	104.16	
U	238	115	No Gas	21.387	ppb	4.5	1977557.49	106.94	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16501896.01	1.1	16506661.57	99.97	60	125	
Ge	72	No Gas	8716170.21	1.8	8699060.49	100.2	60	125	
Ge	72	He	1067711.73	1.5	1059437.18	100.78	60	125	
Y	89	No Gas	12214313.40	1.1	12211136.46	100.03	60	125	
Rh	103	No Gas	10658602.91	2.4	10866053.74	98.09	60	125	
In	115	No Gas	11455519.27	1.8	11491297.6	99.69	60	125	

7900 ICP-MS 200.8/6020B
Laboratory Control Sample (LCS) Report

Sample Name	LCSW-482286
File Name	024_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:36:56
Sample Type	LCS
Vial Number	3107
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	QC Flag
Be	9	45	No Gas	20.849	ppb	7.8	169652.04	104.24	
Al	27	72	No Gas	44.168	ppb	4.6	2733823.50	110.42	
V	51	72	He	20.527	ppb	1.3	198492.85	102.64	
Cr	52	72	No Gas	20.984	ppb	6.9	1386837.13	104.92	
Mn	55	72	No Gas	21.408	ppb	6.2	1805163.02	107.04	
Co	59	72	He	20.028	ppb	0.3	382973.95	100.14	
Ni	60	72	No Gas	20.554	ppb	6.3	341352.53	102.77	
Ni	60	72	He	20.019	ppb	0.8	103601.43	100.1	
Cu	63	72	No Gas	21.283	ppb	5.7	833383.06	106.42	
Cu	63	72	He	20.358	ppb	1.4	283126.19	101.79	
Zn	66	72	No Gas	41.061	ppb	6.4	418437.32	102.65	
As	75	72	No Gas	21.006	ppb	6.5	222040.62	105.03	
Se	78	72	He	21.057	ppb	2.6	2078.16	105.28	
Se	82	72	No Gas	20.673	ppb	6.3	13263.40	103.36	
Sr	88	89	No Gas	20.551	ppb	6.0	2056252.91	102.76	
Mo	98	89	No Gas	20.798	ppb	5.9	610570.30	103.99	
Ag	107	89	No Gas	21.631	ppb	5.9	961097.01	108.16	
Cd	111	89	No Gas	20.087	ppb	4.8	199442.94	100.44	
Sb	123	89	No Gas	20.826	ppb	5.6	614676.17	104.13	
Ba	137	115	No Gas	20.810	ppb	5.2	312704.26	104.05	
Tl	203	115	No Gas	20.643	ppb	5.4	629830.15	103.22	
Pb	208	115	No Gas	20.583	ppb	5.0	2021643.18	102.92	
U	238	115	No Gas	21.234	ppb	3.9	1959905.75	106.17	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16576201.56	0.2	16506661.57	100.42	60	125	
Ge	72	No Gas	8688027.43	1.2	8699060.49	99.87	60	125	
Ge	72	He	1068369.40	1.8	1059437.18	100.84	60	125	
Y	89	No Gas	12325096.45	1.4	12211136.46	100.93	60	125	
Rh	103	No Gas	10699098.19	2.7	10866053.74	98.46	60	125	
In	115	No Gas	11432984.27	2.1	11491297.6	99.49	60	125	

7900 ICP-MS 200.8/6020B
Continuing Calibration Verification (CCV) Report

Sample Name	CCV
File Name	025_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:38:57
Sample Type	CCV
Vial Number	2
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	QC Flag
Be	9	45	No Gas	25.253	ppb	9.1	203225.80	101.01	
Al	27	72	No Gas	51.078	ppb	8.3	3105132.80	102.16	
V	51	72	He	24.833	ppb	0.7	236700.79	99.33	
Cr	52	72	No Gas	24.808	ppb	8.9	1636979.17	99.23	
Mn	55	72	No Gas	25.290	ppb	9.6	2137763.25	101.16	
Co	59	72	He	24.703	ppb	0.9	465889.70	98.81	
Ni	60	72	No Gas	24.438	ppb	9.4	406925.19	97.75	
Ni	60	72	He	24.373	ppb	0.7	124332.61	97.49	
Cu	63	72	No Gas	25.260	ppb	9.7	989734.72	101.04	
Cu	63	72	He	24.789	ppb	0.4	338913.91	99.16	
Zn	66	72	No Gas	49.320	ppb	9.6	503134.34	98.64	
As	75	72	No Gas	25.096	ppb	8.7	266373.29	100.38	
Se	78	72	He	25.300	ppb	0.6	2454.22	101.2	
Se	82	72	No Gas	25.261	ppb	8.1	16267.83	101.04	
Sr	88	89	No Gas	25.129	ppb	7.5	2498728.37	100.52	
Mo	98	89	No Gas	25.260	ppb	9.4	737160.76	101.04	
Ag	107	89	No Gas	26.392	ppb	8.5	1165562.35	105.57	
Cd	111	89	No Gas	24.687	ppb	7.1	242375.89	98.75	
Sb	123	89	No Gas	24.938	ppb	7.3	731519.92	99.75	
Ba	137	115	No Gas	24.962	ppb	7.6	376739.69	99.85	
Tl	203	115	No Gas	24.793	ppb	9.0	759855.75	99.17	
Pb	208	115	No Gas	24.802	ppb	7.7	2446952.59	99.21	
U	238	115	No Gas	25.275	ppb	7.3	2343774.77	101.1	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16387822.68	1.1	16506661.57	99.28	60	125	
Ge	72	No Gas	8718577.15	0.7	8699060.49	100.22	60	125	
Ge	72	He	1053773.78	1.2	1059437.18	99.47	60	125	
Y	89	No Gas	12252126.18	0.9	12211136.46	100.34	60	125	
Rh	103	No Gas	10724946.80	1.9	10866053.74	98.7	60	125	
In	115	No Gas	11490528.71	0.5	11491297.6	99.99	60	125	

7900 ICP-MS 200.8/6020B
Continuing Calibration Blank (CCB) Report

Sample Name	CCB
File Name	026_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:41:00
Sample Type	CCB
Vial Number	3
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	QC Flag
Be	9	45	No Gas	0.008	ppb	20.4	74.45	
Al	27	72	No Gas	0.145	ppb	154.3	430245.38	
V	51	72	He	0.080	ppb	9.5	1633.43	
Cr	52	72	No Gas	0.144	ppb	22.3	52141.97	
Mn	55	72	No Gas	0.023	ppb	9.3	12259.70	
Co	59	72	He	0.004	ppb	37.2	130.00	
Ni	60	72	No Gas	0.005	ppb	239.9	1496.76	
Ni	60	72	He	0.001	ppb	396.0	343.34	
Cu	63	72	No Gas	-0.182	ppb	N/A	7343.05	
Cu	63	72	He	-0.203	ppb	N/A	2590.24	
Zn	66	72	No Gas	-0.046	ppb	N/A	4998.68	
As	75	72	No Gas	0.192	ppb	58.3	826.32	
Se	78	72	He	0.008	ppb	1264.1	40.00	
Se	82	72	No Gas	0.087	ppb	107.4	16.11	
Sr	88	89	No Gas	0.005	ppb	7.3	2165.73	
Mo	98	89	No Gas	0.014	ppb	13.4	452.16	
Ag	107	89	No Gas	0.003	ppb	16.8	433.34	
Cd	111	89	No Gas	0.005	ppb	363.9	5632.52	
Sb	123	89	No Gas	0.162	ppb	5.2	5149.88	
Ba	137	115	No Gas	0.001	ppb	359.1	212.23	
Tl	203	115	No Gas	0.007	ppb	42.8	313.34	
Pb	208	115	No Gas	0.010	ppb	10.0	1903.39	
U	238	115	No Gas	0.003	ppb	30.1	297.78	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16173882.14	0.4	16506661.57	97.98	60	125	
Ge	72	No Gas	8602173.55	2.2	8699060.49	98.89	60	125	
Ge	72	He	1023102.77	2.0	1059437.18	96.57	60	125	
Y	89	No Gas	12208631.46	1.7	12211136.46	99.98	60	125	
Rh	103	No Gas	10855121.79	1.6	10866053.74	99.9	60	125	
In	115	No Gas	11410565.66	2.1	11491297.6	99.3	60	125	

7900 ICP-MS 200.8/6020B
Interference Check Solution A (ICSA/SIC) Report

Sample Name	SIC CHECK
File Name	027ICSA.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:43:04
Sample Type	ICSA
Vial Number	1212
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	QC Flag
Be	9	45	No Gas	0.007	ppb	43.8	61.11	
Al	27	72	No Gas	98969.484	ppb	5.0	4676456489.73	
V	51	72	He	0.068	ppb	7.9	1422.30	
Cr	52	72	No Gas	2.620	ppb	4.2	190942.93	>2X MRL
Mn	55	72	No Gas	0.712	ppb	5.9	63482.72	
Co	59	72	He	0.636	ppb	2.7	10928.65	>2X MRL
Ni	60	72	No Gas	2.207	ppb	7.6	34320.75	>2X MRL
Ni	60	72	He	0.594	ppb	8.1	3054.78	>2X MRL
Cu	63	72	No Gas	4.446	ppb	5.9	167810.13	>2X MRL
Cu	63	72	He	-0.044	ppb	N/A	4358.46	
Zn	66	72	No Gas	2.869	ppb	6.9	31087.67	
As	75	72	No Gas	0.297	ppb	36.4	1762.67	
Se	78	72	He	0.069	ppb	66.6	42.67	
Se	82	72	No Gas	0.152	ppb	103.7	52.96	
Sr	88	89	No Gas	2.468	ppb	3.8	225108.56	
Mo	98	89	No Gas	1996.809	ppb	3.7	53115129.53	
Ag	107	89	No Gas	0.054	ppb	11.2	2475.79	
Cd	111	89	No Gas	0.088	ppb	66.6	5867.86	
Sb	123	89	No Gas	0.237	ppb	2.6	6719.46	
Ba	137	115	No Gas	0.284	ppb	3.6	3890.57	
Tl	203	115	No Gas	0.002	ppb	32.1	150.00	
Pb	208	115	No Gas	0.105	ppb	1.9	9851.51	
U	238	115	No Gas	0.009	ppb	1.8	717.80	

MRL=0.5

MRL=1.0

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	15251995.51	2.6	16506661.57	92.4	60	125	
Ge	72	No Gas	7856733.58	2.6	8699060.49	90.32	60	125	
Ge	72	He	956035.24	1.9	1059437.18	90.24	60	125	
Y	89	No Gas	11168032.89	2.5	12211136.46	91.46	60	125	
Rh	103	No Gas	8928086.59	2.2	10866053.74	82.16	60	125	
In	115	No Gas	9971244.33	2.5	11491297.6	86.77	60	125	

7900 ICP-MS 200.8/6020B
Continuing Calibration Verification (CCV) Report

Sample Name	CCV
File Name	028_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:45:06
Sample Type	CCV
Vial Number	2
ISTD Ref FileName	003CALB.d

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	QC Flag
Be	9	45	No Gas	24.097	ppb	11.1	200521.72	96.39	
Al	27	72	No Gas	54.950	ppb	1.7	3439357.50	109.9	
V	51	72	He	24.660	ppb	0.4	239143.88	98.64	
Cr	52	72	No Gas	24.632	ppb	9.2	1690661.36	98.53	
Mn	55	72	No Gas	25.203	ppb	8.3	2215576.93	100.81	
Co	59	72	He	24.277	ppb	0.7	465787.17	97.11	
Ni	60	72	No Gas	23.921	ppb	8.6	414253.04	95.68	
Ni	60	72	He	23.982	ppb	0.2	124470.45	95.93	
Cu	63	72	No Gas	24.688	ppb	8.8	1006324.86	98.75	
Cu	63	72	He	24.687	ppb	1.0	343388.60	98.75	
Zn	66	72	No Gas	48.329	ppb	9.1	512850.12	96.66	
As	75	72	No Gas	24.785	ppb	9.3	273580.53	99.14	
Se	78	72	He	25.864	ppb	1.0	2551.90	103.46	
Se	82	72	No Gas	25.185	ppb	8.3	16866.91	100.74	
Sr	88	89	No Gas	25.295	ppb	8.9	2601793.65	101.18	
Mo	98	89	No Gas	25.339	ppb	8.7	764802.15	101.36	
Ag	107	89	No Gas	26.135	ppb	9.6	1193814.22	104.54	
Cd	111	89	No Gas	24.587	ppb	7.4	249739.88	98.35	
Sb	123	89	No Gas	24.582	ppb	9.1	745888.75	98.33	
Ba	137	115	No Gas	24.647	ppb	8.5	385037.15	98.59	
Tl	203	115	No Gas	24.668	ppb	9.2	782527.49	98.67	
Pb	208	115	No Gas	24.481	ppb	8.4	2500005.84	97.92	
U	238	115	No Gas	25.210	ppb	7.0	2419810.74	100.84	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16958028.77	0.7	16506661.57	102.73	60	125	
Ge	72	No Gas	9065990.20	0.6	8699060.49	104.22	60	125	
Ge	72	He	1072123.85	2.1	1059437.18	101.2	60	125	
Y	89	No Gas	12683177.55	0.5	12211136.46	103.87	60	125	
Rh	103	No Gas	11225000.66	0.2	10866053.74	103.3	60	125	
In	115	No Gas	11895421.75	0.1	11491297.6	103.52	60	125	

7900 ICP-MS 200.8/6020B
Continuing Calibration Blank (CCB) Report

Sample Name	CCB
File Name	029_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b
Acq Time	09/10/26 15:47:10
Sample Type	CCB
Vial Number	3
ISTD Ref FileName	003CALB.d

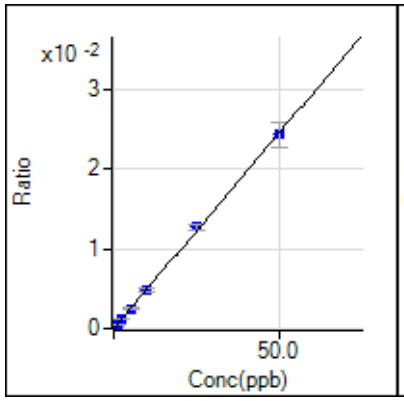
QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	QC Flag
Be	9	45	No Gas	0.005	ppb	35.7	46.67	
Al	27	72	No Gas	0.319	ppb	68.4	452056.22	
V	51	72	He	0.064	ppb	15.1	1494.52	
Cr	52	72	No Gas	0.056	ppb	62.9	47884.74	
Mn	55	72	No Gas	0.033	ppb	14.7	13501.95	
Co	59	72	He	0.002	ppb	36.0	94.44	
Ni	60	72	No Gas	-0.003	ppb	N/A	1407.85	
Ni	60	72	He	-0.003	ppb	N/A	324.45	
Cu	63	72	No Gas	-0.200	ppb	N/A	6849.45	
Cu	63	72	He	-0.242	ppb	N/A	2102.38	
Zn	66	72	No Gas	-0.038	ppb	N/A	5223.20	
As	75	72	No Gas	-0.164	ppb	N/A	-3001.07	
Se	78	72	He	0.015	ppb	269.0	41.00	
Se	82	72	No Gas	0.129	ppb	95.3	44.58	
Sr	88	89	No Gas	0.003	ppb	49.9	2056.82	
Mo	98	89	No Gas	0.074	ppb	3.0	2266.57	
Ag	107	89	No Gas	0.000	ppb	94.6	346.67	
Cd	111	89	No Gas	-0.024	ppb	N/A	5517.92	
Sb	123	89	No Gas	0.124	ppb	2.8	4139.53	
Ba	137	115	No Gas	0.001	ppb	53.7	217.78	
Tl	203	115	No Gas	0.004	ppb	37.7	221.12	
Pb	208	115	No Gas	0.005	ppb	41.8	1495.59	
U	238	115	No Gas	0.002	ppb	20.0	190.00	

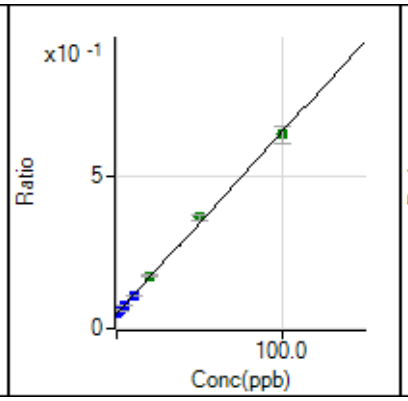
QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Sc	45	No Gas	16481280.46	1.4	16506661.57	99.85	60	125	
Ge	72	No Gas	8852005.48	1.8	8699060.49	101.76	60	125	
Ge	72	He	1029225.38	1.3	1059437.18	97.15	60	125	
Y	89	No Gas	12567180.89	2.3	12211136.46	102.92	60	125	
Rh	103	No Gas	11070669.01	2.1	10866053.74	101.88	60	125	
In	115	No Gas	11698606.20	1.5	11491297.6	101.8	60	125	

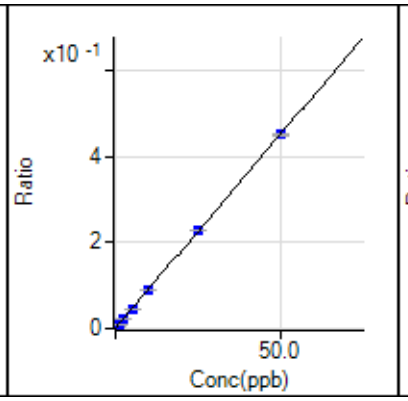
Calibration for D:\Agilent\ICPMH\1\DATA\Batch Template\2026\091026-MS7900.b\011_ICV.d



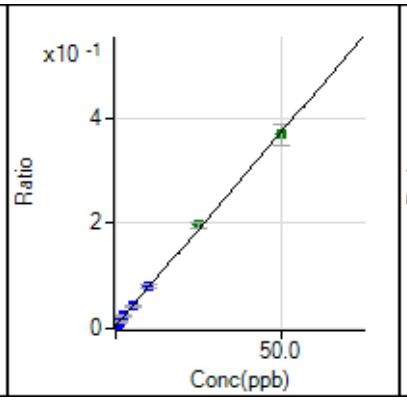
9 Be [No Gas] / ISTD: 45 Sc
y = 4.908E-4 x + 5.376E-7
R 0.9997
DL 0.001877
BEC 0.001095



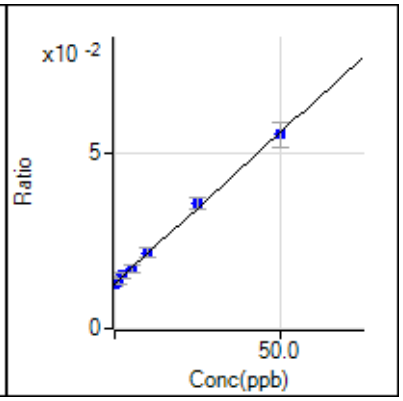
27 Al [No Gas] / ISTD: 72 Ge
y = 6.009E-3 x + 4.916E-2
R 0.9994
DL 0.3086
BEC 8.181



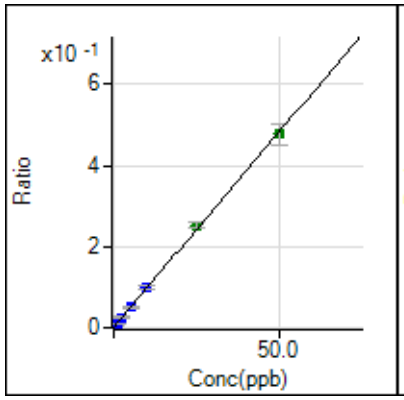
51 V [He] / ISTD: 72 Ge
y = 9.010E-3 x + 8.754E-4
R 1.0000
DL 0.009869
BEC 0.09716



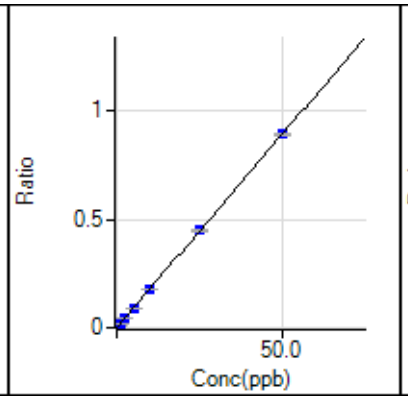
52 Cr [No Gas] / ISTD: 72 Ge
y = 7.366E-3 x + 4.995E-3
R 0.9996
DL 0.1059
BEC 0.6781



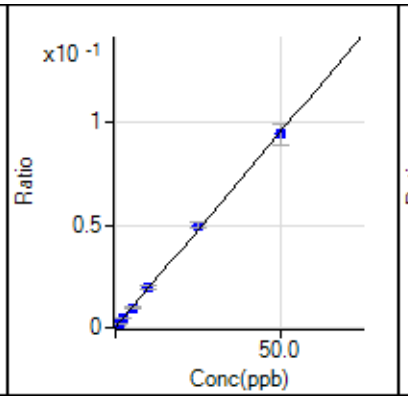
53 (Cr) [No Gas] / ISTD: 72 Ge
y = 8.632E-4 x + 1.287E-2
R 0.9994
DL 7.116
BEC 14.91



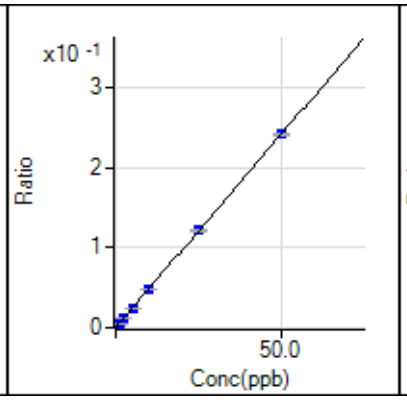
55 Mn [No Gas] / ISTD: 72 Ge
y = 9.646E-3 x + 1.207E-3
R 0.9996
DL 0.01151
BEC 0.1251



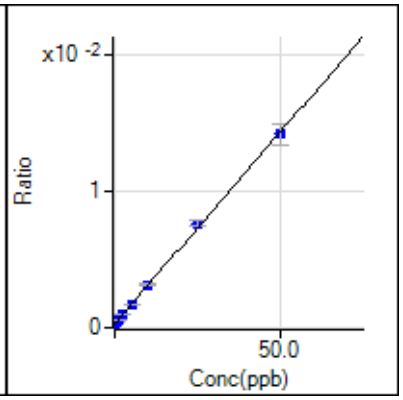
59 Co [He] / ISTD: 72 Ge
y = 1.790E-2 x + 5.768E-5
R 1.0000
DL 0.0007696
BEC 0.003223



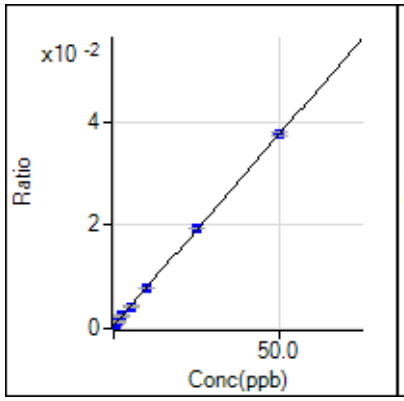
60 Ni [No Gas] / ISTD: 72 Ge
y = 1.903E-3 x + 1.648E-4
R 0.9996
DL 0.02951
BEC 0.0866



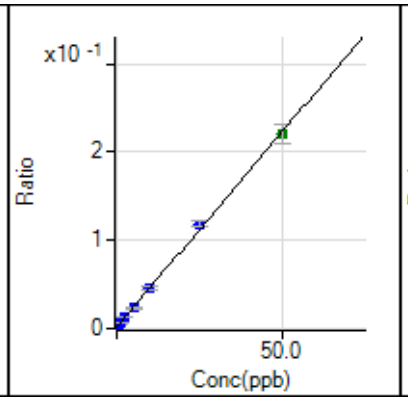
60 Ni [He] / ISTD: 72 Ge
y = 4.827E-3 x + 3.290E-4
R 1.0000
DL 0.01321
BEC 0.06816



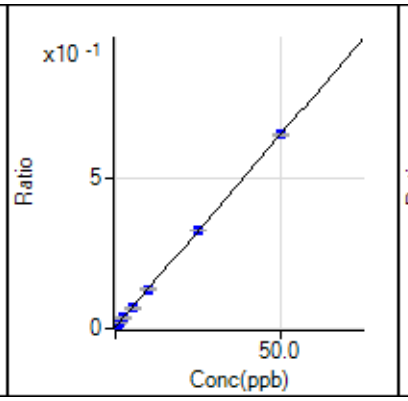
62 (Ni) [No Gas] / ISTD: 72 Ge
y = 2.804E-4 x + 2.901E-4
R 0.9997
DL 0.1036
BEC 1.034



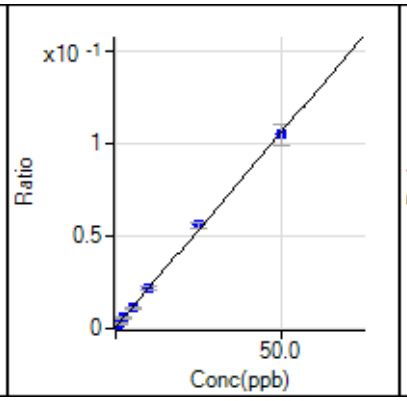
62 (Ni) [He] / ISTD: 72 Ge
y = 7.398E-4 x + 5.691E-4
R 1.0000
DL 0.2339
BEC 0.7692



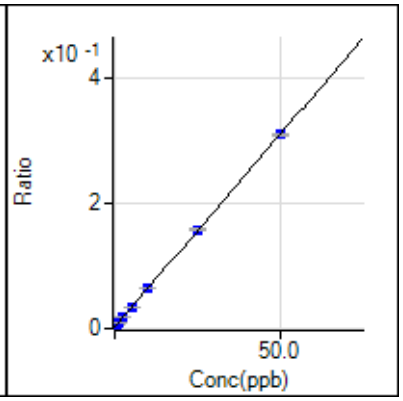
63 Cu [No Gas] / ISTD: 72 Ge
y = 4.428E-3 x + 1.657E-3
R 0.9994
DL 0.1488
BEC 0.3743



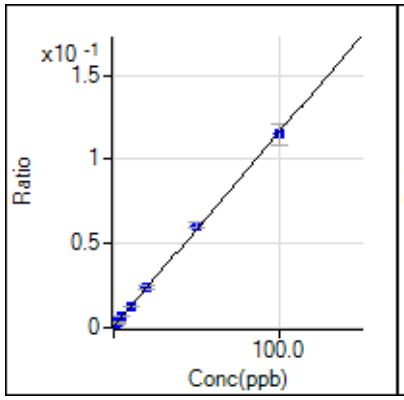
63 Cu [He] / ISTD: 72 Ge
y = 1.277E-2 x + 5.127E-3
R 1.0000
DL 0.005844
BEC 0.4015



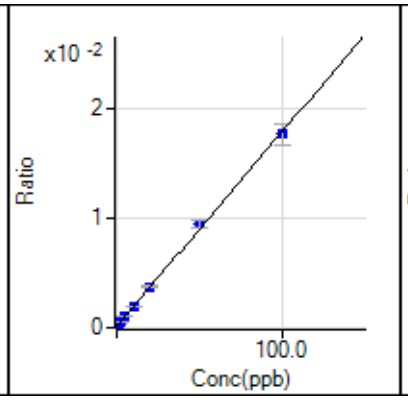
65 (Cu) [No Gas] / ISTD: 72 Ge
y = 2.109E-3 x + 7.869E-4
R 0.9996
DL 0.1753
BEC 0.3731



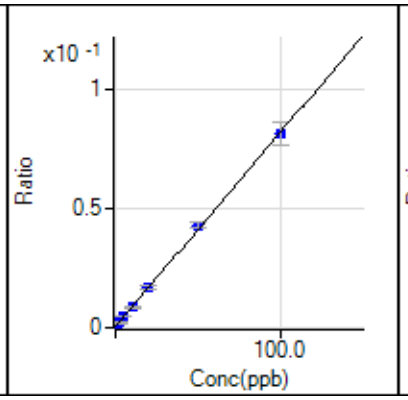
65 (Cu) [He] / ISTD: 72 Ge
y = 6.159E-3 x + 2.446E-3
R 1.0000
DL 0.01878
BEC 0.3972



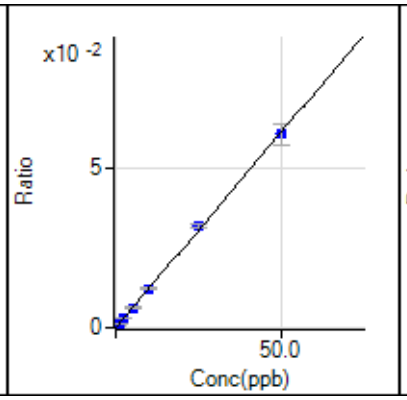
66 Zn [No Gas] / ISTD: 72 Ge
y = 1.157E-3 x + 6.337E-4
R 0.9997
DL 0.03132
BEC 0.5477



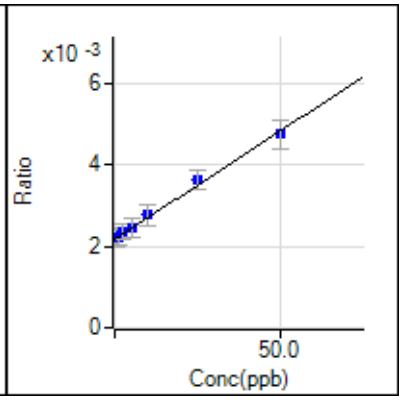
67 (Zn) [No Gas] / ISTD: 72 Ge
y = 1.776E-4 x + 1.099E-4
R 0.9995
DL 0.1771
BEC 0.6188



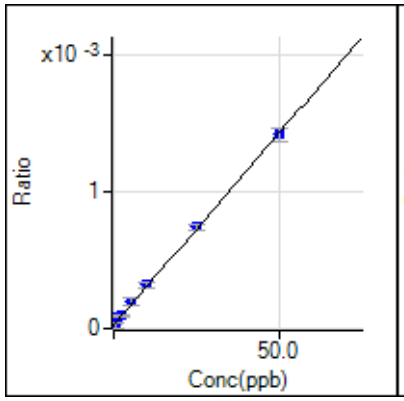
68 (Zn) [No Gas] / ISTD: 72 Ge
y = 8.183E-4 x + 4.653E-4
R 0.9997
DL 0.006561
BEC 0.5685



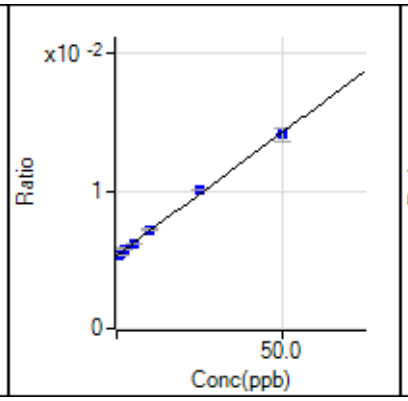
75 As [No Gas] / ISTD: 72 Ge
y = 1.223E-3 x - 1.380E-4
R 0.9997
DL 0.7351
BEC -0.1129



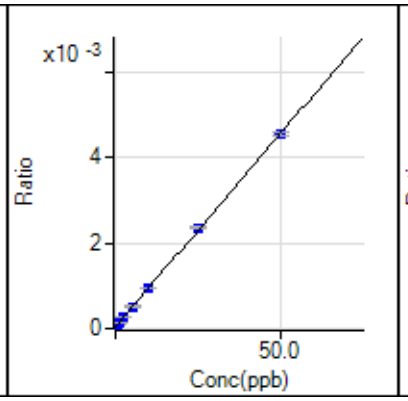
77 (Se) [No Gas] / ISTD: 72 Ge
y = 5.320E-5 x + 2.164E-3
R 0.9979
DL 17.2
BEC 40.67



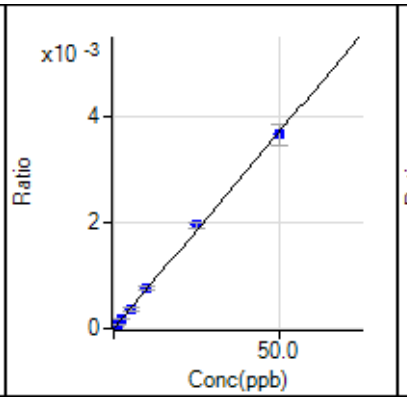
77 (Se) [He] / ISTD: 72 Ge
y = 2.808E-5 x + 2.511E-5
R 0.9993
DL 0.5421
BEC 0.8943



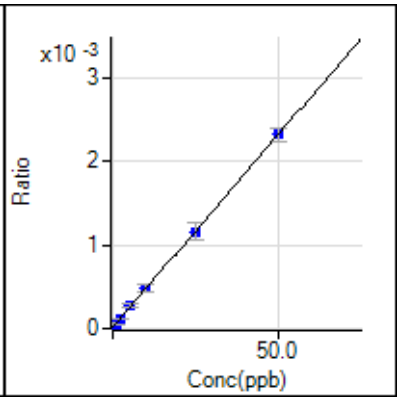
78 (Se) [No Gas] / ISTD: 72 Ge
y = 1.789E-4 x + 5.310E-3
R 0.9990
DL 3.228
BEC 29.68



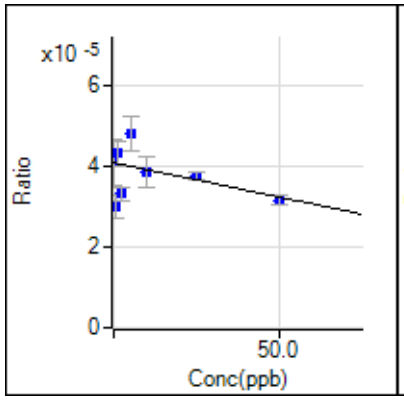
78 Se [He] / ISTD: 72 Ge
y = 9.054E-5 x + 3.843E-5
R 0.9999
DL 0.1213
BEC 0.4245



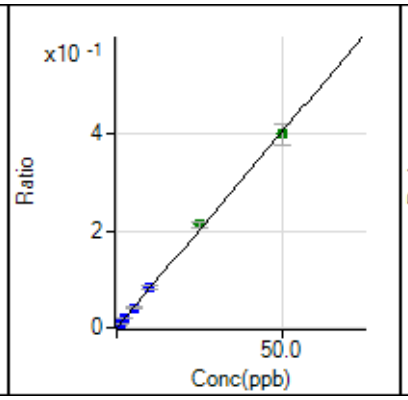
82 Se [No Gas] / ISTD: 72 Ge
y = 7.403E-5 x - 4.476E-6
R 0.9995
DL 0.433
BEC -0.06047



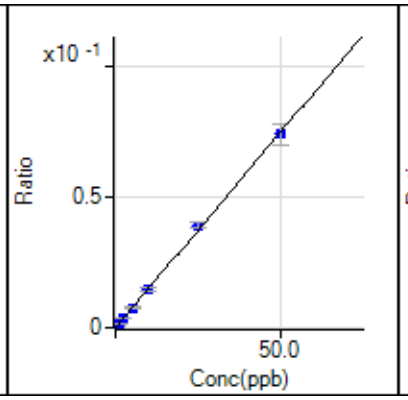
82 (Se) [He] / ISTD: 72 Ge
y = 4.604E-5 x + 1.554E-5
R 0.9999
DL 1.251
BEC 0.3376



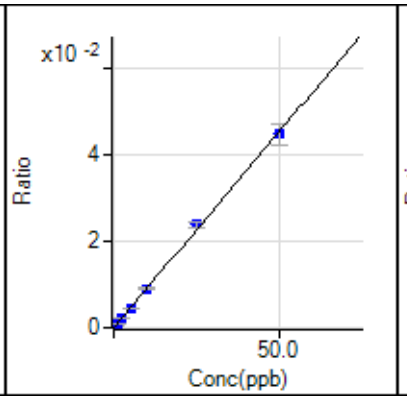
83 [As] [No Gas] / ISTD: 72 Ge
y = - 1.706E-7 x + 4.095E-5
R -0.3643
DL -206.7
BEC -240.1



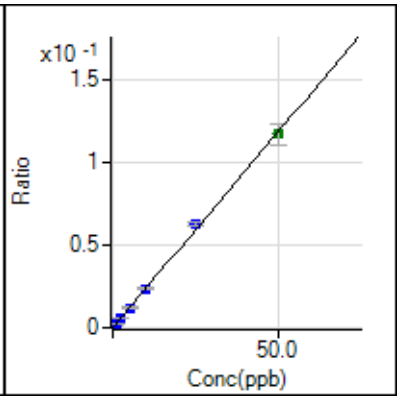
88 Sr [No Gas] / ISTD: 89 Y
y = 8.107E-3 x + 1.401E-4
R 0.9996
DL 0.001684
BEC 0.01729



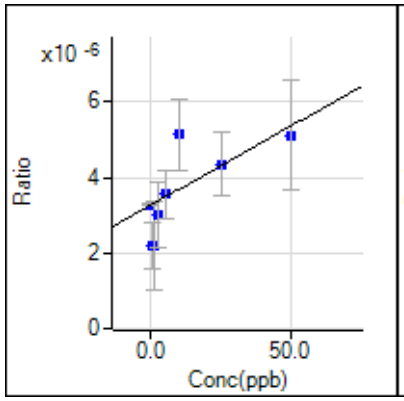
95 (Mo) [No Gas] / ISTD: 89 Y
y = 1.496E-3 x + 2.551E-6
R 0.9997
DL 0.001187
BEC 0.001706



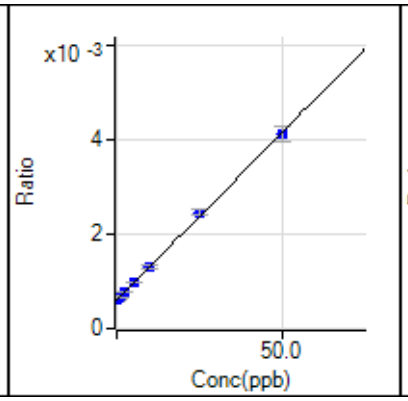
97 (Mo) [No Gas] / ISTD: 89 Y
y = 9.104E-4 x + 2.001E-6
R 0.9995
DL 0.0004685
BEC 0.002198



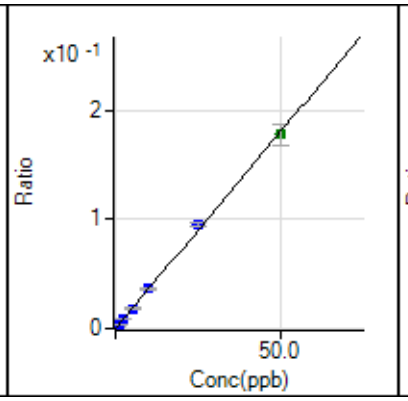
98 Mo [No Gas] / ISTD: 89 Y
y = 2.380E-3 x + 4.340E-6
R 0.9995
DL 0.001259
BEC 0.001823



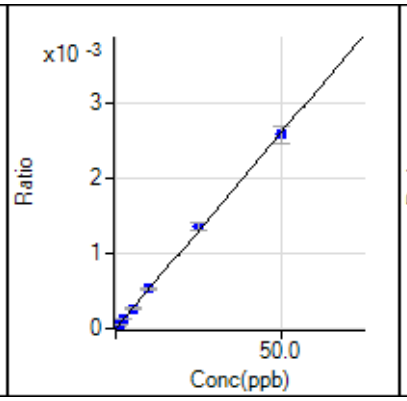
99 [Mo] [No Gas] / ISTD: 89 Y
y = 4.203E-8 x + 3.276E-6
R 0.7339
DL 2.528
BEC 77.95



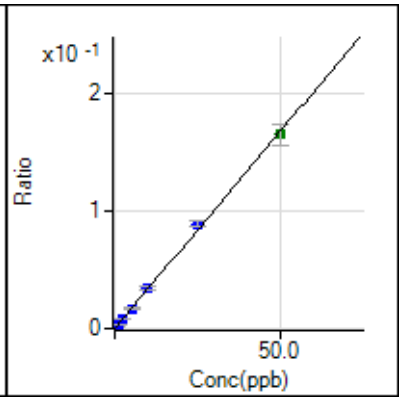
106 (Cd) [No Gas] / ISTD: 89 Y
y = 7.142E-5 x + 5.977E-4
R 0.9995
DL 1.202
BEC 8.369



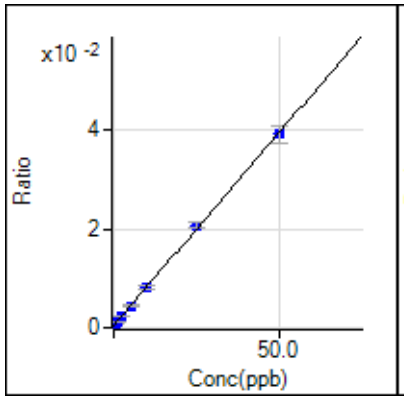
107 Ag [No Gas] / ISTD: 89 Y
y = 3.602E-3 x + 2.610E-5
R 0.9994
DL 0.002122
BEC 0.007246



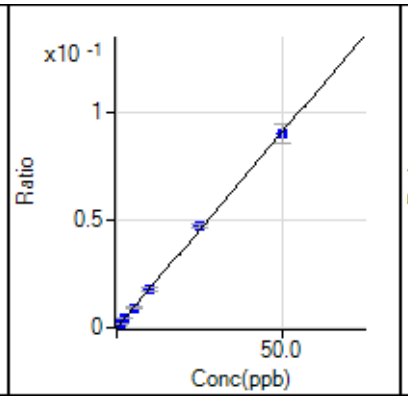
108 (Cd) [No Gas] / ISTD: 89 Y
y = 5.192E-5 x + 1.005E-6
R 0.9997
DL 0.03357
BEC 0.01935



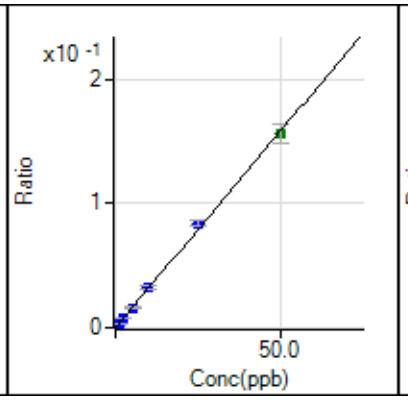
109 (Ag) [No Gas] / ISTD: 89 Y
y = 3.358E-3 x + 1.900E-5
R 0.9993
DL 0.002523
BEC 0.005658



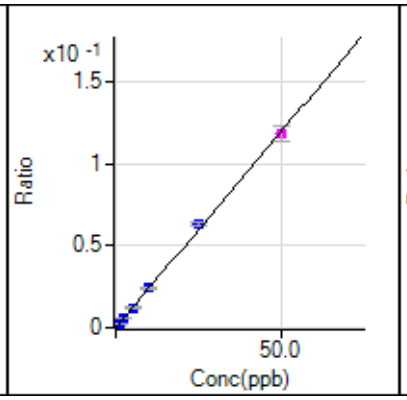
111 Cd [No Gas] / ISTD: 89 Y
y = 7.825E-4 x + 4.576E-4
R 0.9997
DL 0.08059
BEC 0.5849



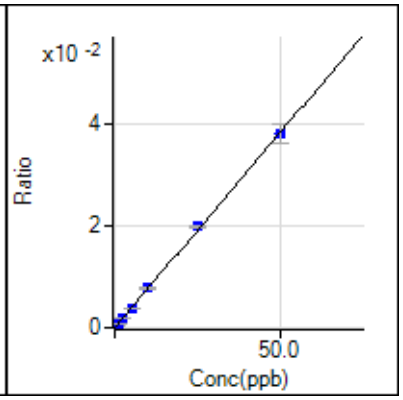
114 (Cd) [No Gas] / ISTD: 89 Y
y = 1.823E-3 x + 2.527E-5
R 0.9996
DL 0.006553
BEC 0.01386



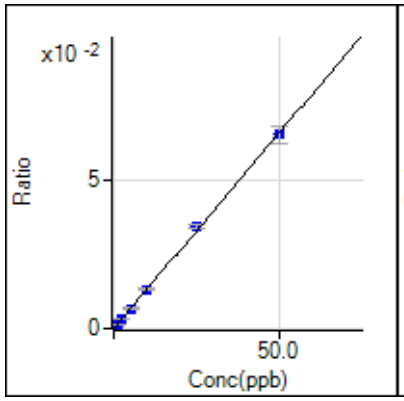
121 (Sb) [No Gas] / ISTD: 89 Y
y = 3.163E-3 x + 3.570E-5
R 0.9993
DL 0.008403
BEC 0.01129



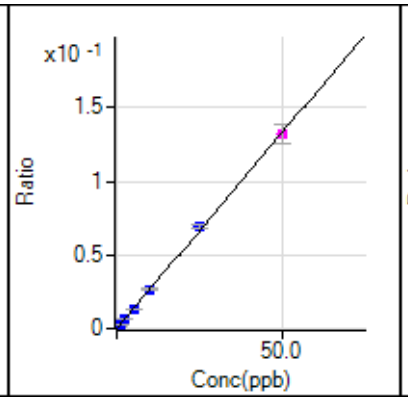
123 Sb [No Gas] / ISTD: 89 Y
y = 2.392E-3 x + 3.395E-5
R 0.9995
DL 0.015
BEC 0.01419



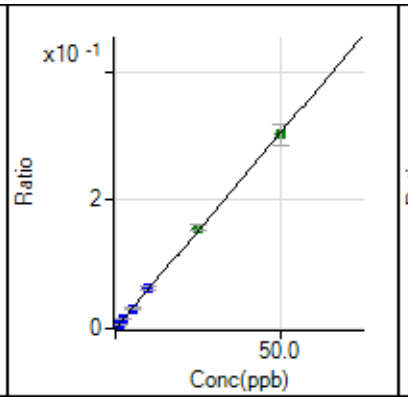
135 (Ba) [No Gas] / ISTD: 115 In
y = 7.666E-4 x + 1.344E-5
R 0.9998
DL 0.005295
BEC 0.01754



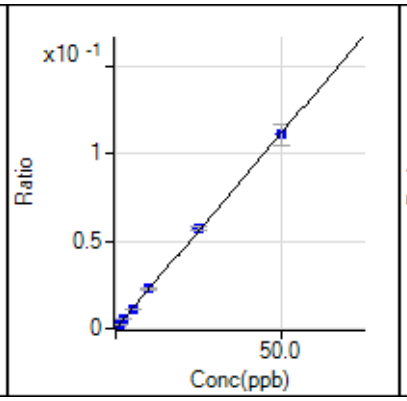
137 Ba [No Gas] / ISTD: 115 In
y = 1.313E-3 x + 1.770E-5
R 0.9998
DL 0.003575
BEC 0.01348



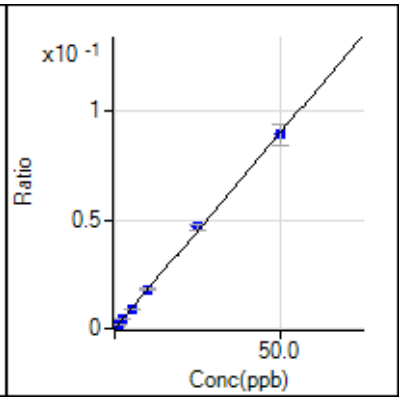
203 Tl [No Gas] / ISTD: 115 In
y = 2.666E-3 x + 9.388E-6
R 0.9996
DL 0.002079
BEC 0.003521



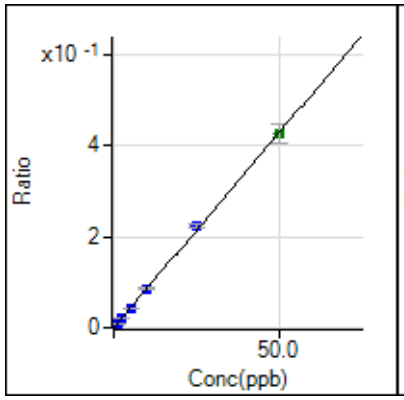
205 (Tl) [No Gas] / ISTD: 115 In
y = 6.097E-3 x + 2.023E-5
R 0.9998
DL 0.001794
BEC 0.003318



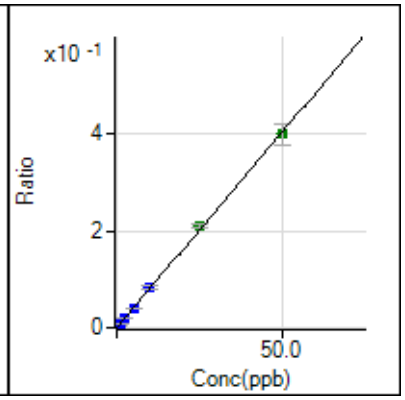
206 (Pb) [No Gas] / ISTD: 115 In
y = 2.230E-3 x + 2.032E-5
R 0.9999
DL 0.00323
BEC 0.009109



207 (Pb) [No Gas] / ISTD: 115 In
y = 1.799E-3 x + 1.963E-5
R 0.9997
DL 0.002801
BEC 0.01091



208 Pb [No Gas] / ISTD: 115 In
y = 8.581E-3 x + 8.395E-5
R 0.9997
DL 0.001136
BEC 0.009783



238 U [No Gas] / ISTD: 115 In
y = 8.069E-3 x + 2.997E-6
R 0.9996
DL 0.0002491
BEC 0.0003715

Relative Error for ICP-MS Calibration

Date: 9/10/26 Data File: 091026-MS7900

Be	TV	Conc	%RE	%RD
	0.5	0.491	-0.018	0.982
	1	0.959	-0.041	0.959
	2.5	2.506	0.0024	1.0024
	5	4.998	-0.0004	0.9996
	10	9.871	-0.0129	0.9871
	25	25.972	0.03888	1.03888
	50	49.541	-0.00918	0.99082
Al				
	1	1.047	0.047	1.047
	2	1.912	-0.044	0.956
	5	4.809	-0.0382	0.9618
	10	9.948	-0.0052	0.9948
	20	20.914	0.0457	1.0457
	50	52.767	0.05534	1.05534
	100	98.45	-0.0155	0.9845
V				
	0.5	0.505	0.01	1.01
	1	1	0	1
	2.5	2.454	-0.0184	0.9816
	5	4.927	-0.0146	0.9854
	10	9.96	-0.004	0.996
	25	25.288	0.01152	1.01152
	50	49.873	-0.00254	0.99746
Cr				
*	0.5	0.53	0.06	1.06
	1	1.022	0.022	1.022
	2.5	2.571	0.0284	1.0284
	5	5.079	0.0158	1.0158
	10	10.361	0.0361	1.0361
	25	26.09	0.0436	1.0436
	50	49.37	-0.0126	0.9874
Mn				
	0.5	0.519	0.038	1.038
	1	1.013	0.013	1.013
	2.5	2.557	0.0228	1.0228
	5	5.082	0.0164	1.0164
	10	10.257	0.0257	1.0257
	25	26.164	0.04656	1.04656
	50	49.355	-0.0129	0.9871
Co				
	0.5	0.511	0.022	1.022
	1	1.014	0.014	1.014
	2.5	2.48	-0.008	0.992
	5	5.056	0.0112	1.0112
	10	9.944	-0.0056	0.9944
	25	25.069	0.00276	1.00276
	50	49.972	-0.00056	0.99944
Ni60				
No gas	0.5	0.505	0.01	1.01
	1	0.996	-0.004	0.996
	2.5	2.49	-0.004	0.996
	5	5.015	0.003	1.003
	10	10.116	0.0116	1.0116
	25	26.17	0.0468	1.0468
	50	49.391	-0.01218	0.98782
Ni60				
He	0.5	0.546	0.092	1.092
	1	1	0	1
	2.5	2.469	-0.0124	0.9876
	5	4.945	-0.011	0.989
	10	9.921	-0.0079	0.9921
	25	25.069	0.00276	1.00276
	50	49.988	-0.00024	0.99976

As	TV	Conc	%RE	%RD
	0.5	0.662	0.324	1.324
	1	1.049	0.049	1.049
	2.5	2.52	0.008	1.008
	5	5	0	1
	10	10.017	0.0017	1.0017
	25	25.975	0.039	1.039
	50	49.505	-0.0099	0.9901
Se78				
	0.5	0.62	0.24	1.24
	1	0.993	-0.007	0.993
	2.5	2.459	-0.0164	0.9836
	5	5.264	0.0528	1.0528
	10	10.122	0.0122	1.0122
	25	25.507	0.02028	1.02028
	50	49.696	-0.00608	0.99392
Se82				
	0.5	0.716	0.432	1.432
	1	0.969	-0.031	0.969
	2.5	2.605	0.042	1.042
	5	4.94	-0.012	0.988
	10	10.273	0.0273	1.0273
	25	26.248	0.04992	1.04992
	50	49.321	-0.01358	0.98642
Sr				
	0.5	0.52	0.04	1.04
	1	1.031	0.031	1.031
	2.5	2.56	0.024	1.024
	5	5.105	0.021	1.021
	10	10.287	0.0287	1.0287
	25	26.219	0.04876	1.04876
	50	49.319	-0.01362	0.98638
Mo				
	0.5	0.509	0.018	1.018
	1	1.003	0.003	1.003
	2.5	2.523	0.0092	1.0092
	5	5.028	0.0056	1.0056
	10	10.014	0.0014	1.0014
	25	26.308	0.05232	1.05232
	50	49.339	-0.01322	0.98678
Ag				
	0.5	0.519	0.038	1.038
	1	1.01	0.01	1.01
	2.5	2.508	0.0032	1.0032
	5	5.095	0.019	1.019
	10	10.092	0.0092	1.0092
	25	26.42	0.0568	1.0568
	50	49.261	-0.01478	0.98522
Cd				
	0.5	0.506	0.012	1.012
	1	1.005	0.005	1.005
	2.5	2.534	0.0136	1.0136
	5	5.03	0.006	1.006
	10	9.908	-0.0092	0.9908
	25	26.01	0.0404	1.0404
	50	49.509	-0.00982	0.99018
Sb				
	0.5	0.512	0.024	1.024
	1	1.026	0.026	1.026
	2.5	2.519	0.0076	1.0076
	5	5.093	0.0186	1.0186
	10	10.099	0.0099	1.0099
	25	26.338	0.05352	1.05352
	50	49.3	-0.014	0.986

Relative Error for ICP-MS Calibration

Cu63				
No gas	0.5	0.478	-0.044	0.956
	1	0.938	-0.062	0.938
	2.5	2.445	-0.022	0.978
	5	4.949	-0.0102	0.9898
	10	10.131	0.0131	1.0131
	25	26.452	0.05808	1.05808
	50	49.257	-0.01486	0.98514
Cu63				
He	0.5	0.462	-0.076	0.924
	1	0.922	-0.078	0.922
	2.5	2.368	-0.0528	0.9472
	5	4.898	-0.0204	0.9796
	10	9.842	-0.0158	0.9842
	25	25.103	0.00412	1.00412
	50	49.999	-2E-05	0.99998
Zn				
	1	0.945	-0.055	0.945
	2	1.945	-0.0275	0.9725
	5	5.011	0.0022	1.0022
	10	10.168	0.0168	1.0168
	20	20.37	0.0185	1.0185
	50	52.052	0.04104	1.04104
	100	98.885	-0.01115	0.98885
U				
	0.5	0.496	-0.008	0.992
	1	0.985	-0.015	0.985
	2.5	2.503	0.0012	1.0012
	5	4.956	-0.0088	0.9912
	10	10.143	0.0143	1.0143
	25	26.113	0.04452	1.04452
	50	49.42	-0.0116	0.9884

Ba				
	0.5	0.503	0.006	1.006
	1	1.001	0.001	1.001
	2.5	2.499	-0.0004	0.9996
	5	4.977	-0.0046	0.9954
	10	10.028	0.0028	1.0028
	25	25.9	0.036	1.036
	50	49.547	-0.00906	0.99094
Tl				
	0.5	0.498	-0.004	0.996
	1	0.987	-0.013	0.987
	2.5	2.489	-0.0044	0.9956
	5	4.912	-0.0176	0.9824
	10	10.015	0.0015	1.0015
	25	26.115	0.0446	1.0446
	50	49.449	-0.01102	0.98898
Pb				
	0.5	0.491	-0.018	0.982
	1	0.981	-0.019	0.981
	2.5	2.484	-0.0064	0.9936
	5	4.899	-0.0202	0.9798
	10	10.067	0.0067	1.0067
	25	25.978	0.03912	1.03912
	50	49.509	-0.00982	0.99018

Red highlight requant fails for all methods

Yellow highlight requant fails 6020B only

*MRL=2ppb, check run for MRL requant when highlighted