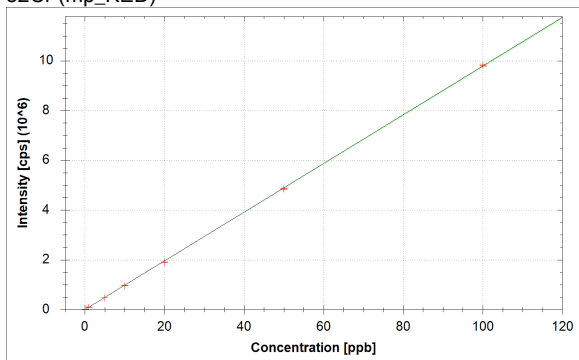


Calibration Curves:

Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

52Cr (mp_KED)



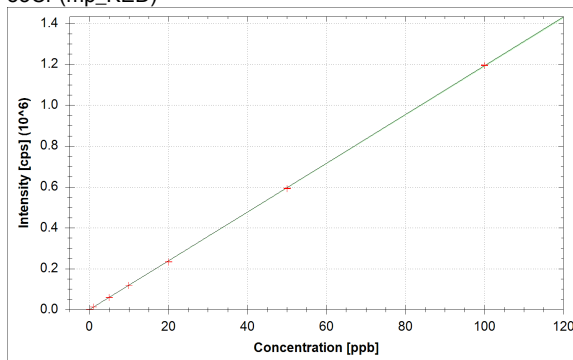
$$f(x) = 97834.7768 \cdot x + 386.2577$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.004 \text{ ppb}$$

$$\text{LoD} = 0.0011 \text{ ppb}$$

53Cr (mp_KED)



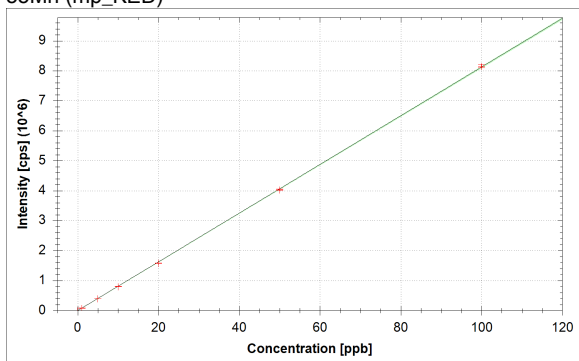
$$f(x) = 11922.0941 \cdot x + 184.5022$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.015 \text{ ppb}$$

$$\text{LoD} = 0.0093 \text{ ppb}$$

55Mn (mp_KED)



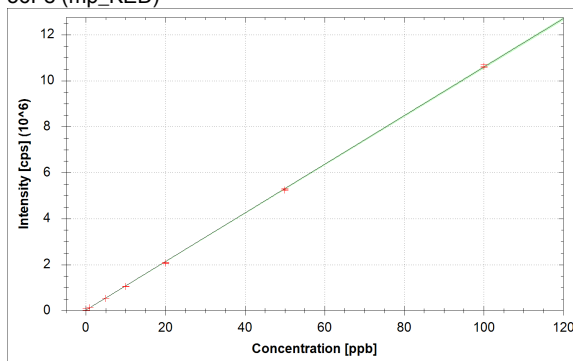
$$f(x) = 81231.4461 \cdot x + 225.2531$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.003 \text{ ppb}$$

$$\text{LoD} = 0.0012 \text{ ppb}$$

56Fe (mp_KED)



$$f(x) = 105709.8745 \cdot x + 20147.8547$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.191 \text{ ppb}$$

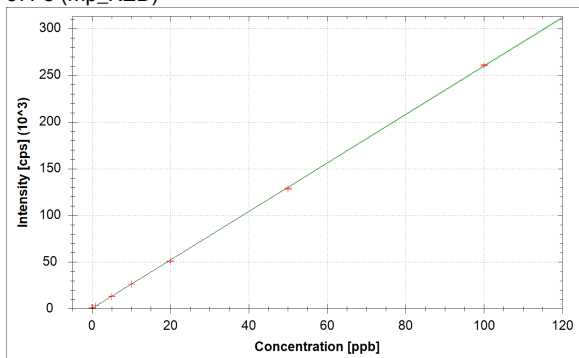
$$\text{LoD} = 0.0115 \text{ ppb}$$

Calibration

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57Fe (mp_KED)



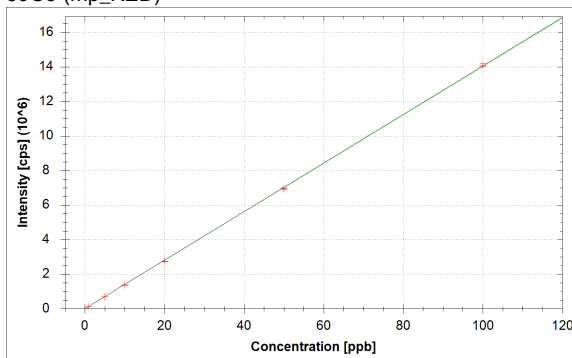
$$f(x) = 2597.3468x + 261.7539$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.101 \text{ ppb}$$

$$\text{LoD} = 0.0586 \text{ ppb}$$

59Co (mp_KED)



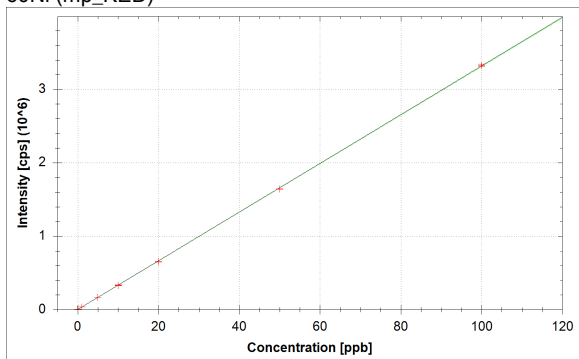
$$f(x) = 140427.6413x + 484.7616$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.003 \text{ ppb}$$

$$\text{LoD} = 0.0003 \text{ ppb}$$

60Ni (mp_KED)



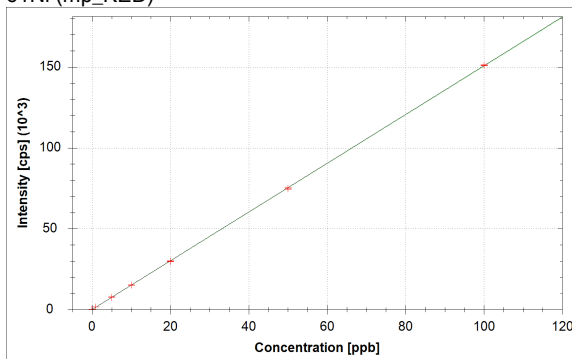
$$f(x) = 33156.2875x + 885.0353$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.027 \text{ ppb}$$

$$\text{LoD} = 0.0011 \text{ ppb}$$

61Ni (mp_KED)



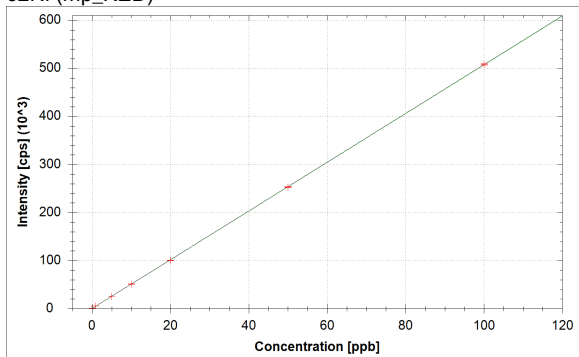
$$f(x) = 1507.1878x + 34.2502$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.023 \text{ ppb}$$

$$\text{LoD} = 0.0140 \text{ ppb}$$

62Ni (mp_KED)



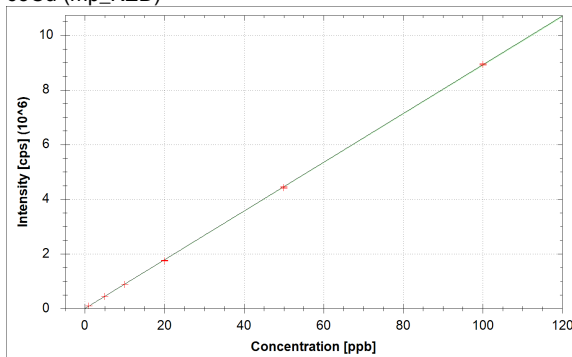
$$f(x) = 5075.1179x + 129.7513$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.026 \text{ ppb}$$

$$\text{LoD} = 0.0097 \text{ ppb}$$

63Cu (mp_KED)



$$f(x) = 89151.8275x + 1957.9120$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.022 \text{ ppb}$$

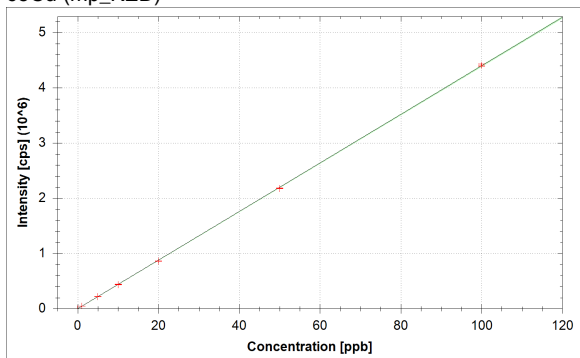
$$\text{LoD} = 0.0011 \text{ ppb}$$

Calibration

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⁶⁵Cu (mp_KED)



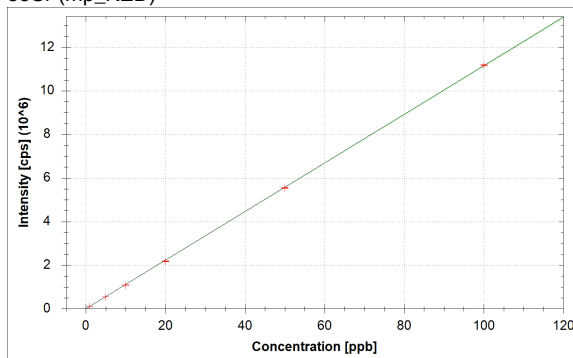
$$f(x) = 43959.1866 \cdot x + 985.2928$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.022 \text{ ppb}$$

$$\text{LoD} = 0.0023 \text{ ppb}$$

⁸⁸Sr (mp_KED)



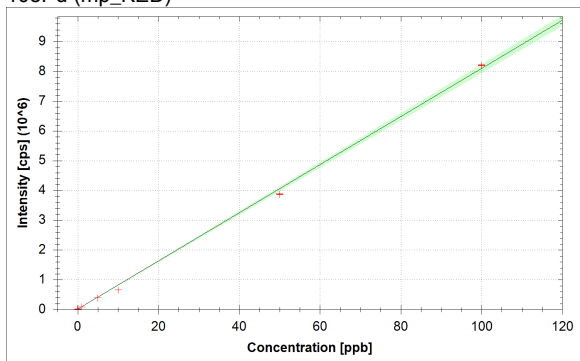
$$f(x) = 111504.4507 \cdot x + 143.0015$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.001 \text{ ppb}$$

$$\text{LoD} = 0.0002 \text{ ppb}$$

¹⁰⁵Pd (mp_KED)



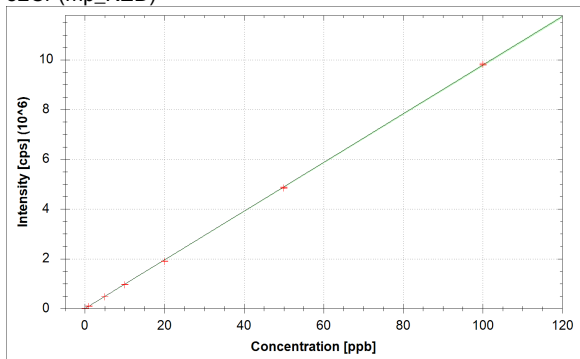
$$f(x) = 80820.7102 \cdot x + 16978.0657$$

$$R^2 = 0.9988$$

$$\text{BEC} = 0.210 \text{ ppb}$$

$$\text{LoD} = 0.0056 \text{ ppb}$$

⁵²Cr (mp_KED)



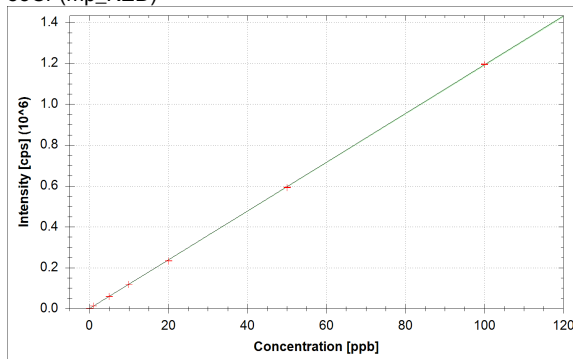
$$f(x) = 97834.7768 \cdot x + 386.2577$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.004 \text{ ppb}$$

$$\text{LoD} = 0.0011 \text{ ppb}$$

⁵³Cr (mp_KED)



$$f(x) = 11922.0941 \cdot x + 184.5022$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.015 \text{ ppb}$$

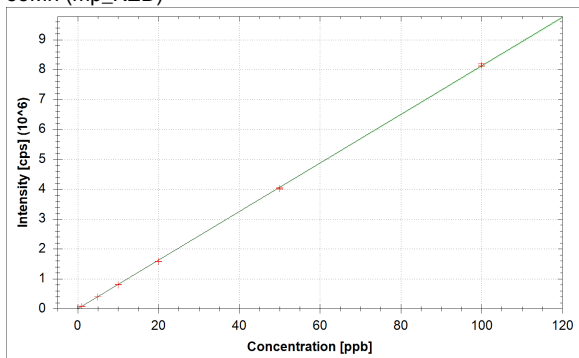
$$\text{LoD} = 0.0093 \text{ ppb}$$

Calibration

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55Mn (mp_KED)



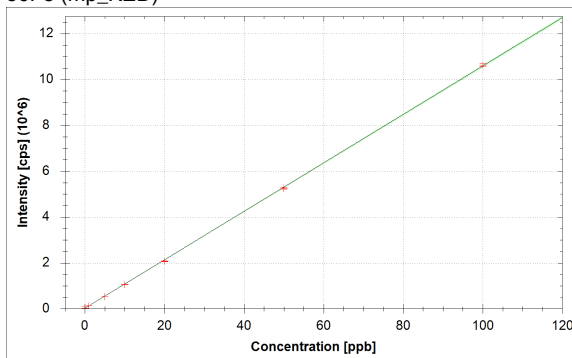
$$f(x) = 81231.4461 \cdot x + 225.2531$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.003 \text{ ppb}$$

$$\text{LoD} = 0.0012 \text{ ppb}$$

56Fe (mp_KED)



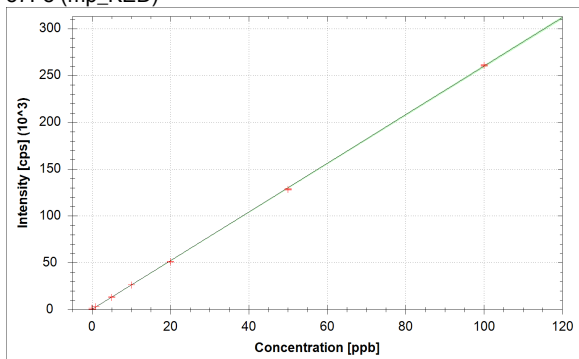
$$f(x) = 105709.8745 \cdot x + 20147.8547$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.191 \text{ ppb}$$

$$\text{LoD} = 0.0115 \text{ ppb}$$

57Fe (mp_KED)



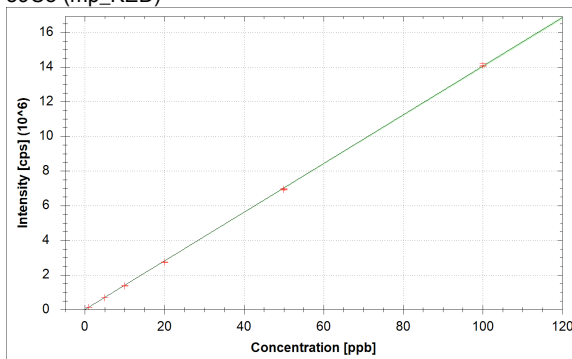
$$f(x) = 2597.3468 \cdot x + 261.7539$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.101 \text{ ppb}$$

$$\text{LoD} = 0.0586 \text{ ppb}$$

59Co (mp_KED)



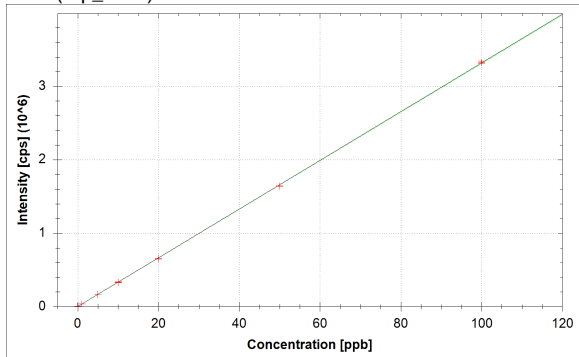
$$f(x) = 140427.6413 \cdot x + 484.7616$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.003 \text{ ppb}$$

$$\text{LoD} = 0.0003 \text{ ppb}$$

60Ni (mp_KED)



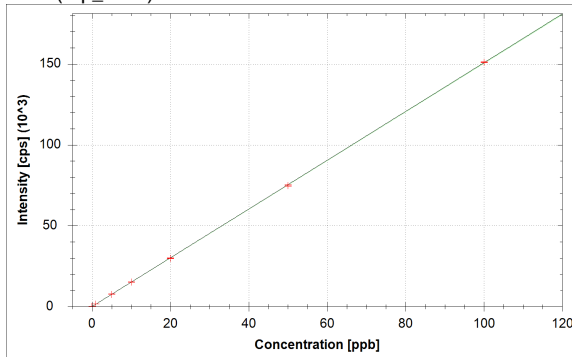
$$f(x) = 33156.2875 \cdot x + 885.0353$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.027 \text{ ppb}$$

$$\text{LoD} = 0.0011 \text{ ppb}$$

61Ni (mp_KED)



$$f(x) = 1507.1878 \cdot x + 34.2502$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.023 \text{ ppb}$$

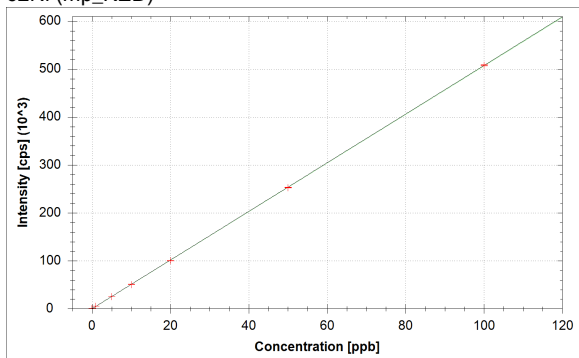
$$\text{LoD} = 0.0140 \text{ ppb}$$

Calibration

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⁶²Ni (mp_KED)



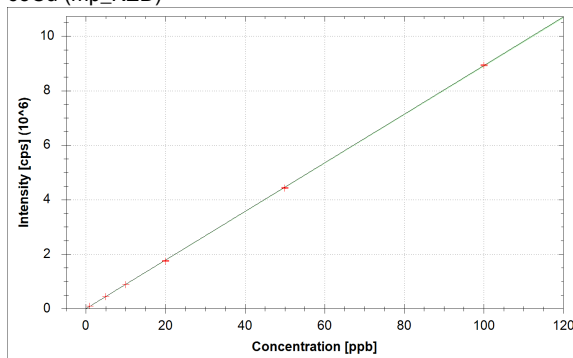
$$f(x) = 5075.1179 \cdot x + 129.7513$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.026 \text{ ppb}$$

$$\text{LoD} = 0.0097 \text{ ppb}$$

⁶³Cu (mp_KED)



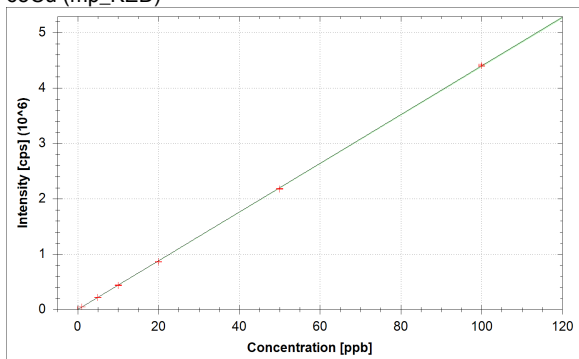
$$f(x) = 89151.8275 \cdot x + 1957.9120$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.022 \text{ ppb}$$

$$\text{LoD} = 0.0011 \text{ ppb}$$

⁶⁵Cu (mp_KED)



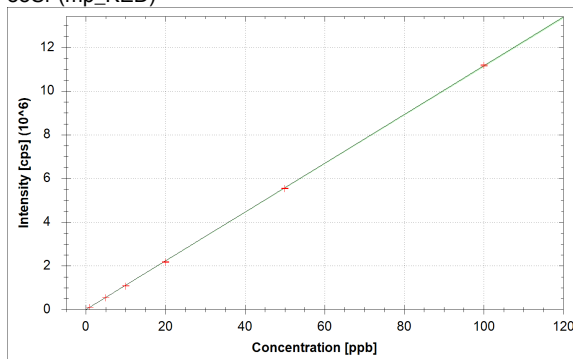
$$f(x) = 43959.1866 \cdot x + 985.2928$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.022 \text{ ppb}$$

$$\text{LoD} = 0.0023 \text{ ppb}$$

⁸⁸Sr (mp_KED)



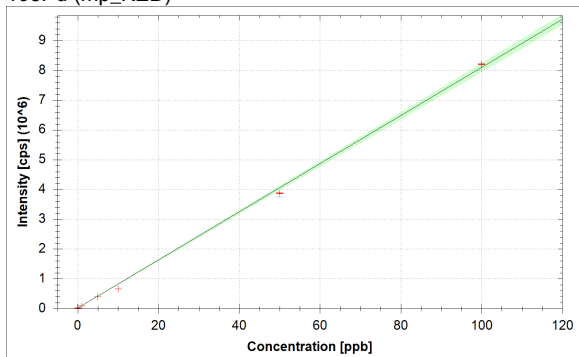
$$f(x) = 111504.4507 \cdot x + 143.0015$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.001 \text{ ppb}$$

$$\text{LoD} = 0.0002 \text{ ppb}$$

¹⁰⁵Pd (mp_KED)



$$f(x) = 80820.7102 \cdot x + 16978.0657$$

$$R^2 = 0.9988$$

$$\text{BEC} = 0.210 \text{ ppb}$$

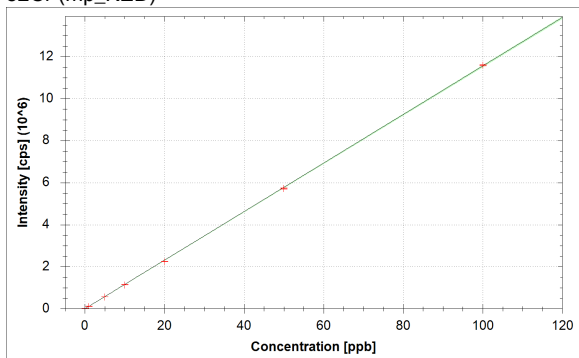
$$\text{LoD} = 0.0056 \text{ ppb}$$

Calibration

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52Cr (mp_KED)



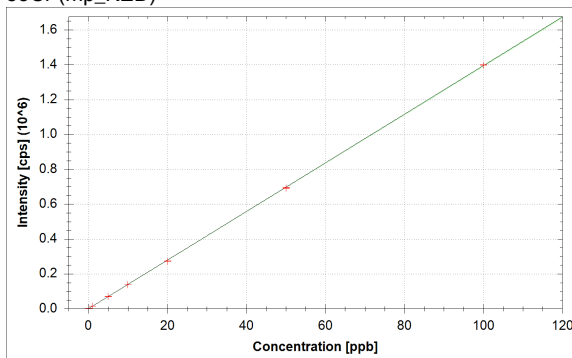
$$f(x) = 115521.0661 \cdot x + 456.0842$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.004 \text{ ppb}$$

$$\text{LoD} = 0.0010 \text{ ppb}$$

53Cr (mp_KED)



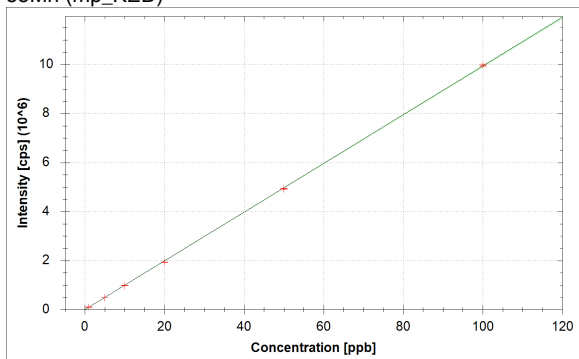
$$f(x) = 13940.7525 \cdot x + 215.7423$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.015 \text{ ppb}$$

$$\text{LoD} = 0.0079 \text{ ppb}$$

55Mn (mp_KED)



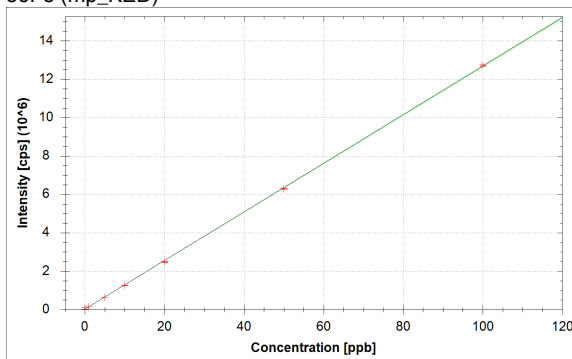
$$f(x) = 99352.6993 \cdot x + 275.5030$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.003 \text{ ppb}$$

$$\text{LoD} = 0.0010 \text{ ppb}$$

56Fe (mp_KED)



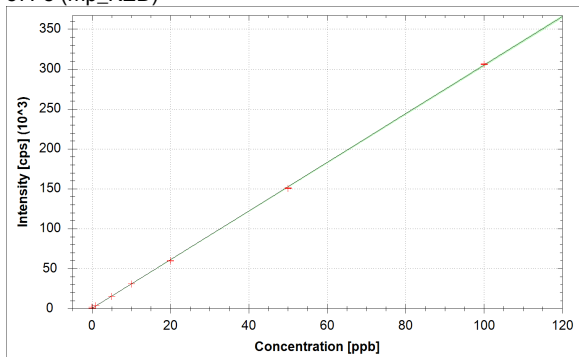
$$f(x) = 126536.5322 \cdot x + 24117.3276$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.191 \text{ ppb}$$

$$\text{LoD} = 0.0096 \text{ ppb}$$

57Fe (mp_KED)



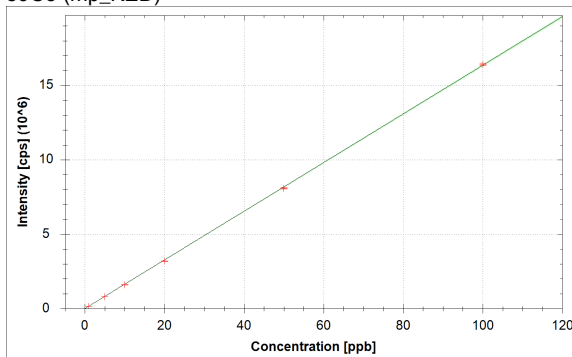
$$f(x) = 3044.5358 \cdot x + 306.8204$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.101 \text{ ppb}$$

$$\text{LoD} = 0.0500 \text{ ppb}$$

59Co (mp_KED)



$$f(x) = 163517.6019 \cdot x + 564.4690$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.003 \text{ ppb}$$

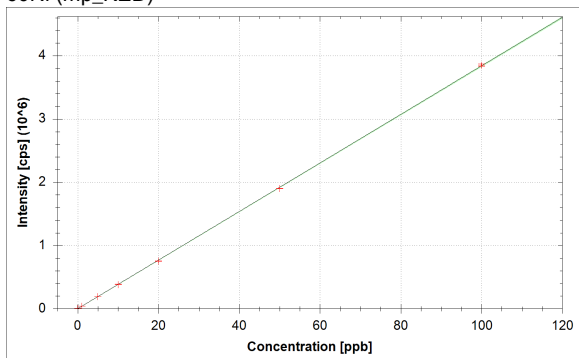
$$\text{LoD} = 0.0002 \text{ ppb}$$

Calibration

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60Ni (mp_KED)



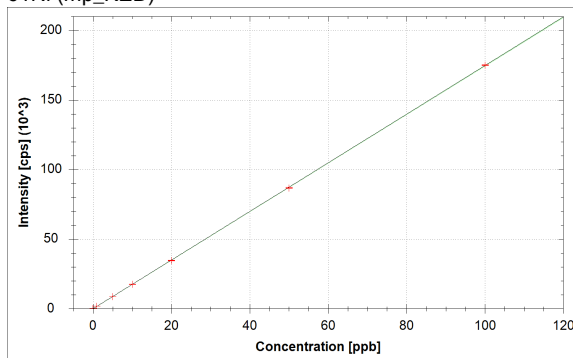
$$f(x) = 38378.5335 \cdot x + 1024.4318$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.027 \text{ ppb}$$

$$\text{LoD} = 0.0009 \text{ ppb}$$

61Ni (mp_KED)



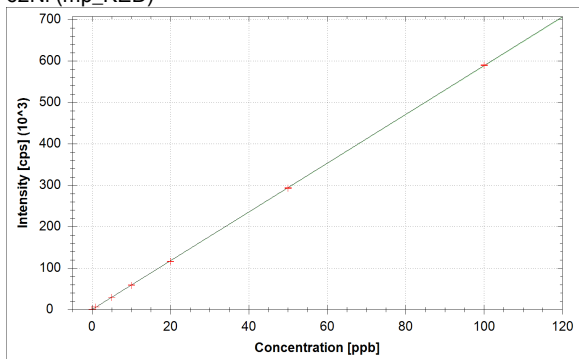
$$f(x) = 1746.3709 \cdot x + 39.6855$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.023 \text{ ppb}$$

$$\text{LoD} = 0.0121 \text{ ppb}$$

62Ni (mp_KED)



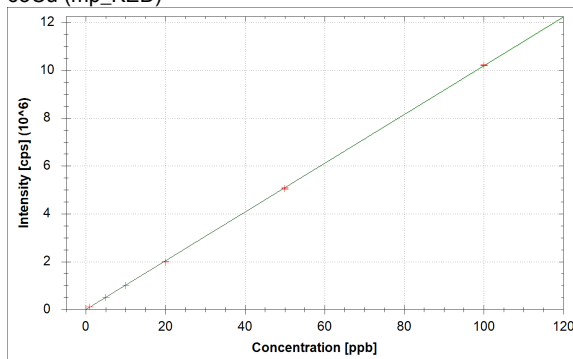
$$f(x) = 5882.9741 \cdot x + 150.4051$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.026 \text{ ppb}$$

$$\text{LoD} = 0.0083 \text{ ppb}$$

63Cu (mp_KED)



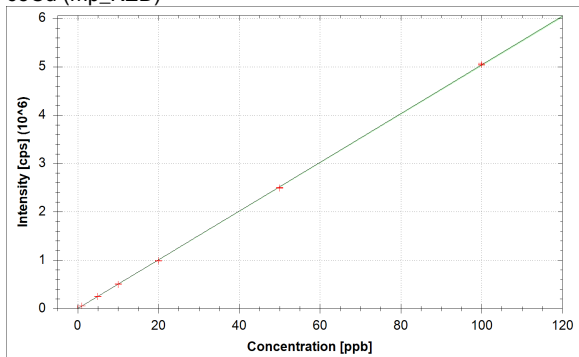
$$f(x) = 101795.1118 \cdot x + 2235.5781$$

$$R^2 = 1.0000$$

$$\text{BEC} = 0.022 \text{ ppb}$$

$$\text{LoD} = 0.0010 \text{ ppb}$$

65Cu (mp_KED)



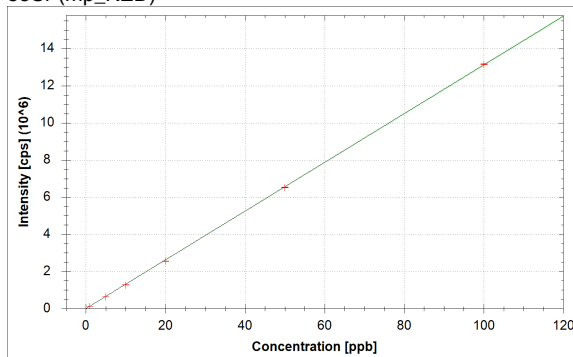
$$f(x) = 50338.7599 \cdot x + 1128.2834$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.022 \text{ ppb}$$

$$\text{LoD} = 0.0020 \text{ ppb}$$

88Sr (mp_KED)



$$f(x) = 131228.9456 \cdot x + 168.2976$$

$$R^2 = 0.9999$$

$$\text{BEC} = 0.001 \text{ ppb}$$

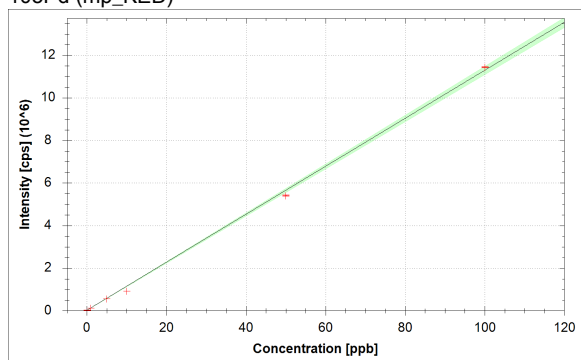
$$\text{LoD} = 0.0002 \text{ ppb}$$

Calibration

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105Pd (mp_KED)



$$f(x) = 112699.4125 \cdot x + 23674.8481$$

$$R^2 = 0.9988$$

$$\text{BEC} = 0.210 \text{ ppb}$$

$$\text{LoD} = 0.0040 \text{ ppb}$$

Calibration

23-Feb-24 17:01:14



Standards:

Analysis Index: 4
Analysis Name: M28RuPdRe 0 ppb 300µL HNO3 30.10.2023 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 12:06:38
Standard (Stock): M94 0
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	0.005 ppb	7.7 %	0.000 ppb
53Cr (mp_KED)	0.016 ppb	7.0 %	0.000 ppb
55Mn (mp_KED)	0.000 ppb	47.0 %	0.000 ppb
56Fe (mp_KED)	0.106 ppb	3.8 %	0.000 ppb
57Fe (mp_KED)	0.100 ppb	8.8 %	0.000 ppb
59Co (mp_KED)	-0.001 ppb	6.2 %	0.000 ppb
60Ni (mp_KED)	0.007 ppb	9.6 %	0.000 ppb
61Ni (mp_KED)	0.010 ppb	54.5 %	0.000 ppb
62Ni (mp_KED)	0.005 ppb	43.0 %	0.000 ppb
63Cu (mp_KED)	0.024 ppb	2.4 %	0.000 ppb
65Cu (mp_KED)	0.024 ppb	2.9 %	0.000 ppb
88Sr (mp_KED)	0.000 ppb	78.4 %	0.000 ppb
105Pd (mp_KED)	-0.190 ppb	33.8 %	0.000 ppb

Calibration

23-Feb-24 17:01:14



Standards:

Analysis Index: 5
Analysis Name: M28RuPdRe 1 ppb 300µL HNO3 30.10.2023 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 12:11:44
Standard (Stock): M94 1
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	0.988 ppb	0.6 %	1.000 ppb
53Cr (mp_KED)	1.011 ppb	0.8 %	1.000 ppb
55Mn (mp_KED)	0.980 ppb	0.6 %	1.000 ppb
56Fe (mp_KED)	1.146 ppb	0.9 %	1.000 ppb
57Fe (mp_KED)	1.156 ppb	1.3 %	1.000 ppb
59Co (mp_KED)	0.971 ppb	0.6 %	1.000 ppb
60Ni (mp_KED)	1.003 ppb	1.3 %	1.000 ppb
61Ni (mp_KED)	1.015 ppb	1.6 %	1.000 ppb
62Ni (mp_KED)	1.010 ppb	1.1 %	1.000 ppb
63Cu (mp_KED)	1.022 ppb	0.2 %	1.000 ppb
65Cu (mp_KED)	1.022 ppb	1.0 %	1.000 ppb
88Sr (mp_KED)	0.945 ppb	0.7 %	1.000 ppb
105Pd (mp_KED)	0.514 ppb	1.6 %	1.000 ppb

Calibration

23-Feb-24 17:01:14



Standards:

Analysis Index: 6
Analysis Name: M28RuPdRe 5 ppb 300µL HNO3 30.10.2023 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 12:16:51
Standard (Stock): M94 5
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	4.851 ppb	0.4 %	5.000 ppb
53Cr (mp_KED)	4.894 ppb	0.6 %	5.000 ppb
55Mn (mp_KED)	4.796 ppb	0.7 %	5.000 ppb
56Fe (mp_KED)	5.513 ppb	0.5 %	5.000 ppb
57Fe (mp_KED)	5.535 ppb	0.9 %	5.000 ppb
59Co (mp_KED)	4.815 ppb	0.3 %	5.000 ppb
60Ni (mp_KED)	4.958 ppb	0.4 %	5.000 ppb
61Ni (mp_KED)	5.009 ppb	1.0 %	5.000 ppb
62Ni (mp_KED)	4.956 ppb	0.7 %	5.000 ppb
63Cu (mp_KED)	4.942 ppb	0.7 %	5.000 ppb
65Cu (mp_KED)	4.955 ppb	0.4 %	5.000 ppb
88Sr (mp_KED)	4.679 ppb	0.6 %	5.000 ppb
105Pd (mp_KED)	3.877 ppb	0.7 %	5.000 ppb

Calibration

23-Feb-24 17:01:14



Standards:

Analysis Index: 7
Analysis Name: M28RuPdRe 10 ppb 300µL HNO3 30.10.2023 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 12:21:59
Standard (Stock): M94 10
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	9.578 ppb	0.7 %	10.000 ppb
53Cr (mp_KED)	9.620 ppb	0.6 %	10.000 ppb
55Mn (mp_KED)	9.509 ppb	0.4 %	10.000 ppb
56Fe (mp_KED)	9.386 ppb	0.6 %	10.000 ppb
57Fe (mp_KED)	9.493 ppb	0.8 %	10.000 ppb
59Co (mp_KED)	9.451 ppb	0.8 %	10.000 ppb
60Ni (mp_KED)	9.676 ppb	0.6 %	10.000 ppb
61Ni (mp_KED)	9.727 ppb	0.7 %	10.000 ppb
62Ni (mp_KED)	9.717 ppb	0.8 %	10.000 ppb
63Cu (mp_KED)	9.677 ppb	0.9 %	10.000 ppb
65Cu (mp_KED)	9.659 ppb	0.9 %	10.000 ppb
88Sr (mp_KED)	9.320 ppb	1.1 %	10.000 ppb
105Pd (mp_KED)	4.847 ppb	0.8 %	10.000 ppb

Calibration

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Standards:

Analysis Index: 8
Analysis Name: M28RuPdRe 20 ppb 300µL HNO3 30.10.2023 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 12:27:07
Standard (Stock): M94 20
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	18.993 ppb	0.3 %	20.000 ppb
53Cr (mp_KED)	19.100 ppb	0.3 %	20.000 ppb
55Mn (mp_KED)	18.856 ppb	0.5 %	20.000 ppb
56Fe (mp_KED)	18.848 ppb	0.4 %	20.000 ppb
57Fe (mp_KED)	18.992 ppb	0.9 %	20.000 ppb
59Co (mp_KED)	18.955 ppb	0.5 %	20.000 ppb
60Ni (mp_KED)	19.143 ppb	0.5 %	20.000 ppb
61Ni (mp_KED)	19.381 ppb	0.6 %	20.000 ppb
62Ni (mp_KED)	19.239 ppb	0.5 %	20.000 ppb
63Cu (mp_KED)	19.188 ppb	0.4 %	20.000 ppb
65Cu (mp_KED)	19.102 ppb	0.2 %	20.000 ppb
88Sr (mp_KED)	18.630 ppb	0.6 %	20.000 ppb
105Pd (mp_KED)	9.744 ppb	0.4 %	20.000 ppb

Calibration

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Standards:

Analysis Index: 9
Analysis Name: M28RuPdRe 50 ppb 300µL HNO3 30.10.2023 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 12:32:16
Standard (Stock): M94 50
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	46.114 ppb	0.2 %	50.000 ppb
53Cr (mp_KED)	46.131 ppb	0.5 %	50.000 ppb
55Mn (mp_KED)	45.827 ppb	0.4 %	50.000 ppb
56Fe (mp_KED)	45.732 ppb	0.2 %	50.000 ppb
57Fe (mp_KED)	45.963 ppb	0.6 %	50.000 ppb
59Co (mp_KED)	46.077 ppb	0.2 %	50.000 ppb
60Ni (mp_KED)	46.361 ppb	0.7 %	50.000 ppb
61Ni (mp_KED)	46.858 ppb	0.4 %	50.000 ppb
62Ni (mp_KED)	46.514 ppb	0.5 %	50.000 ppb
63Cu (mp_KED)	46.679 ppb	0.5 %	50.000 ppb
65Cu (mp_KED)	46.321 ppb	0.5 %	50.000 ppb
88Sr (mp_KED)	45.051 ppb	0.3 %	50.000 ppb
105Pd (mp_KED)	38.039 ppb	0.8 %	50.000 ppb

Calibration

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Standards:

Analysis Index: 10
Analysis Name: M28RuPdRe 100 ppb 300µL HNO3 30.10.2023 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 12:37:26
Standard (Stock): M94 100
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	89.511 ppb	0.5 %	100.000 ppb
53Cr (mp_KED)	89.382 ppb	0.5 %	100.000 ppb
55Mn (mp_KED)	88.830 ppb	0.8 %	100.000 ppb
56Fe (mp_KED)	88.817 ppb	0.2 %	100.000 ppb
57Fe (mp_KED)	88.957 ppb	0.4 %	100.000 ppb
59Co (mp_KED)	88.829 ppb	0.3 %	100.000 ppb
60Ni (mp_KED)	90.204 ppb	0.2 %	100.000 ppb
61Ni (mp_KED)	89.696 ppb	0.6 %	100.000 ppb
62Ni (mp_KED)	90.100 ppb	0.7 %	100.000 ppb
63Cu (mp_KED)	89.585 ppb	0.3 %	100.000 ppb
65Cu (mp_KED)	89.603 ppb	0.2 %	100.000 ppb
88Sr (mp_KED)	88.296 ppb	0.8 %	100.000 ppb
105Pd (mp_KED)	83.441 ppb	0.1 %	100.000 ppb

Calibration

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Standards:

Analysis Index: 13
Analysis Name: M42 0 ppb 300µL HNO3 16.02.2024 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 12:52:48
Standard (Stock): M94 0
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	0.000 ppb	6.7 %	0.000 ppb
53Cr (mp_KED)	0.000 ppb	9.7 %	0.000 ppb
55Mn (mp_KED)	0.000 ppb	13.1 %	0.000 ppb
56Fe (mp_KED)	0.000 ppb	0.9 %	0.000 ppb
57Fe (mp_KED)	0.000 ppb	6.6 %	0.000 ppb
59Co (mp_KED)	0.000 ppb	5.3 %	0.000 ppb
60Ni (mp_KED)	0.000 ppb	3.2 %	0.000 ppb
61Ni (mp_KED)	0.000 ppb	22.8 %	0.000 ppb
62Ni (mp_KED)	0.000 ppb	5.2 %	0.000 ppb
63Cu (mp_KED)	0.000 ppb	1.7 %	0.000 ppb
65Cu (mp_KED)	0.000 ppb	3.9 %	0.000 ppb
88Sr (mp_KED)	0.000 ppb	12.0 %	0.000 ppb
105Pd (mp_KED)	0.000 ppb	4.7 %	0.000 ppb

Calibration

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Standards:

Analysis Index: 14
Analysis Name: M42 1 ppb 300µL HNO3 16.02.2024 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 12:57:55
Standard (Stock): M94 1
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	0.981 ppb	0.9 %	1.000 ppb
53Cr (mp_KED)	0.991 ppb	0.5 %	1.000 ppb
55Mn (mp_KED)	0.981 ppb	1.1 %	1.000 ppb
56Fe (mp_KED)	1.098 ppb	0.8 %	1.000 ppb
57Fe (mp_KED)	1.122 ppb	1.6 %	1.000 ppb
59Co (mp_KED)	0.968 ppb	0.8 %	1.000 ppb
60Ni (mp_KED)	0.993 ppb	0.7 %	1.000 ppb
61Ni (mp_KED)	1.008 ppb	0.3 %	1.000 ppb
62Ni (mp_KED)	1.005 ppb	1.4 %	1.000 ppb
63Cu (mp_KED)	0.983 ppb	0.6 %	1.000 ppb
65Cu (mp_KED)	0.983 ppb	0.6 %	1.000 ppb
88Sr (mp_KED)	0.965 ppb	0.8 %	1.000 ppb
105Pd (mp_KED)	0.885 ppb	0.6 %	1.000 ppb

Calibration

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Standards:

Analysis Index: 15
Analysis Name: M42 5 ppb 300µL HNO3 16.02.2024 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 13:03:02
Standard (Stock): M94 5
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	4.913 ppb	0.8 %	5.000 ppb
53Cr (mp_KED)	4.958 ppb	0.6 %	5.000 ppb
55Mn (mp_KED)	4.899 ppb	0.4 %	5.000 ppb
56Fe (mp_KED)	4.858 ppb	0.5 %	5.000 ppb
57Fe (mp_KED)	4.959 ppb	1.6 %	5.000 ppb
59Co (mp_KED)	4.881 ppb	0.5 %	5.000 ppb
60Ni (mp_KED)	4.984 ppb	0.8 %	5.000 ppb
61Ni (mp_KED)	5.056 ppb	0.8 %	5.000 ppb
62Ni (mp_KED)	4.983 ppb	0.4 %	5.000 ppb
63Cu (mp_KED)	4.972 ppb	0.2 %	5.000 ppb
65Cu (mp_KED)	4.952 ppb	0.4 %	5.000 ppb
88Sr (mp_KED)	4.858 ppb	0.8 %	5.000 ppb
105Pd (mp_KED)	4.720 ppb	0.6 %	5.000 ppb

Calibration

23-Feb-24 17:01:14



Standards:

Analysis Index: 16
Analysis Name: M42 10 ppb 300µL HNO3 16.02.2024 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 13:08:09
Standard (Stock): M94 10
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	9.842 ppb	1.1 %	10.000 ppb
53Cr (mp_KED)	9.933 ppb	0.4 %	10.000 ppb
55Mn (mp_KED)	9.854 ppb	0.9 %	10.000 ppb
56Fe (mp_KED)	9.770 ppb	0.8 %	10.000 ppb
57Fe (mp_KED)	10.027 ppb	0.6 %	10.000 ppb
59Co (mp_KED)	9.792 ppb	0.8 %	10.000 ppb
60Ni (mp_KED)	9.955 ppb	0.9 %	10.000 ppb
61Ni (mp_KED)	10.036 ppb	0.6 %	10.000 ppb
62Ni (mp_KED)	9.976 ppb	1.1 %	10.000 ppb
63Cu (mp_KED)	9.966 ppb	0.6 %	10.000 ppb
65Cu (mp_KED)	9.963 ppb	0.9 %	10.000 ppb
88Sr (mp_KED)	9.694 ppb	0.9 %	10.000 ppb
105Pd (mp_KED)	7.938 ppb	0.5 %	10.000 ppb

Calibration

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Standards:

Analysis Index: 17
Analysis Name: M42 20 ppb 300µL HNO3 16.02.2024 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 13:13:16
Standard (Stock): M94 20
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	19.428 ppb	0.8 %	20.000 ppb
53Cr (mp_KED)	19.524 ppb	0.5 %	20.000 ppb
55Mn (mp_KED)	19.467 ppb	0.3 %	20.000 ppb
56Fe (mp_KED)	19.422 ppb	0.9 %	20.000 ppb
57Fe (mp_KED)	19.558 ppb	0.5 %	20.000 ppb
59Co (mp_KED)	19.504 ppb	0.4 %	20.000 ppb
60Ni (mp_KED)	19.615 ppb	0.4 %	20.000 ppb
61Ni (mp_KED)	19.773 ppb	0.6 %	20.000 ppb
62Ni (mp_KED)	19.741 ppb	0.5 %	20.000 ppb
63Cu (mp_KED)	19.589 ppb	0.7 %	20.000 ppb
65Cu (mp_KED)	19.592 ppb	0.4 %	20.000 ppb
88Sr (mp_KED)	19.490 ppb	0.5 %	20.000 ppb
105Pd (mp_KED)	12.510 ppb	0.4 %	20.000 ppb

Calibration

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Standards:

Analysis Index: 18
Analysis Name: M42 50 ppb 300µL HNO3 16.02.2024 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 13:18:24
Standard (Stock): M94 50
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	49.528 ppb	0.6 %	50.000 ppb
53Cr (mp_KED)	49.705 ppb	0.4 %	50.000 ppb
55Mn (mp_KED)	49.576 ppb	0.6 %	50.000 ppb
56Fe (mp_KED)	49.551 ppb	0.8 %	50.000 ppb
57Fe (mp_KED)	49.412 ppb	0.5 %	50.000 ppb
59Co (mp_KED)	49.420 ppb	0.7 %	50.000 ppb
60Ni (mp_KED)	49.504 ppb	0.2 %	50.000 ppb
61Ni (mp_KED)	49.638 ppb	0.7 %	50.000 ppb
62Ni (mp_KED)	49.741 ppb	0.3 %	50.000 ppb
63Cu (mp_KED)	49.684 ppb	0.6 %	50.000 ppb
65Cu (mp_KED)	49.543 ppb	0.3 %	50.000 ppb
88Sr (mp_KED)	49.731 ppb	0.3 %	50.000 ppb
105Pd (mp_KED)	47.778 ppb	0.5 %	50.000 ppb

Calibration

23-Feb-24 17:01:14



Standards:

Analysis Index: 19
Analysis Name: M42 100 ppb 300µL HNO3 16.02.2024 mtr
AnalysisType: STD
Analysis Started at: 22-Feb-24 13:23:33
Standard (Stock): M94 100
Standard DF: 1

Category	Concentration average	Concentration RSD	Standard Concentration
52Cr (mp_KED)	100.371 ppb	0.4 %	100.000 ppb
53Cr (mp_KED)	100.252 ppb	0.1 %	100.000 ppb
55Mn (mp_KED)	100.338 ppb	0.6 %	100.000 ppb
56Fe (mp_KED)	100.369 ppb	0.6 %	100.000 ppb
57Fe (mp_KED)	100.380 ppb	0.3 %	100.000 ppb
59Co (mp_KED)	100.416 ppb	0.6 %	100.000 ppb
60Ni (mp_KED)	100.330 ppb	0.5 %	100.000 ppb
61Ni (mp_KED)	100.220 ppb	0.3 %	100.000 ppb
62Ni (mp_KED)	100.185 ppb	0.3 %	100.000 ppb
63Cu (mp_KED)	100.245 ppb	0.3 %	100.000 ppb
65Cu (mp_KED)	100.316 ppb	0.4 %	100.000 ppb
88Sr (mp_KED)	100.274 ppb	0.3 %	100.000 ppb
105Pd (mp_KED)	101.332 ppb	0.3 %	100.000 ppb