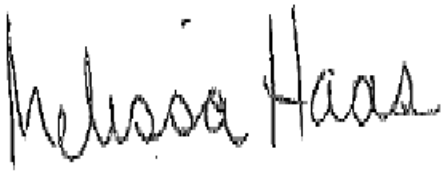
ANALYTICAL REPORT

Job Number: 460-259478-1

Job Description: Inwood - Lot 9

For:
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, NY 11749

Attention: Ms. Jessica Taylor



Approved for release.
Melissa Haas
Senior Project Manager
6/9/2022 2:55 PM

Melissa Haas, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(203)308-0880
Melissa.Haas@et.eurofinsus.com
06/09/2022

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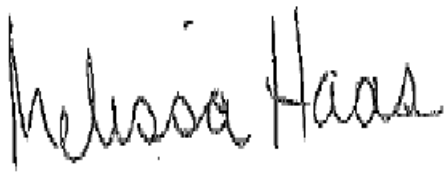
Job Number: 460-259478-1

Job Description: Inwood - Lot 9

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Melissa Haas
Senior Project Manager
6/9/2022 2:55 PM

Melissa Haas

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CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Inwood - Lot 9

Report Number: 460-259478-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/06/2022; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP METALS

Sample RX-4 (0.5-2.5) (460-259478-1) was analyzed for TCLP Metals in accordance with EPA SW-846 Method 6020B - TCLP/1311. The samples were leached on 06/07/2022, prepared on 06/08/2022 and analyzed on 06/09/2022.

No difficulties were encountered during the TCLP Metals analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-259478-1
Project/Site: Inwood - Lot 9

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-259478-1	RX-4 (0.5-2.5)	Solid	06/06/22 12:30	06/06/22 18:00

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-259478-1
Project/Site: Inwood - Lot 9

Client Sample ID: RX-4 (0.5-2.5)
Lab Sample ID: 460-259478-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7720		12.0	8.4	ug/L	10		6020B	TCLP

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-259478-1
Project/Site: Inwood - Lot 9

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: RX-4 (0.5-2.5)

Lab Sample ID: 460-259478-1

Date Collected: 06/06/22 12:30

Matrix: Solid

Date Received: 06/06/22 18:00

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7720		12.0	8.4	ug/L		06/08/22 11:30	06/09/22 10:23	10

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-848742/1-A
Matrix: Solid
Analysis Batch: 848940

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 848742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2	U	1.2	0.84	ug/L		06/08/22 11:30	06/09/22 10:07	1

Lab Sample ID: LCS 460-848742/2-A ^10
Matrix: Solid
Analysis Batch: 848940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 848742

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			5000	5578		ug/L		112	80 - 120		

Lab Sample ID: LB 460-848570/1-D ^10
Matrix: Solid
Analysis Batch: 848940

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 848742

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12.0	U	12.0	8.4	ug/L		06/08/22 11:30	06/09/22 10:09	10

Lab Sample ID: 460-259478-1 MS
Matrix: Solid
Analysis Batch: 848940

Client Sample ID: RX-4 (0.5-2.5)
Prep Type: TCLP
Prep Batch: 848742

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	7720		5000	12740		ug/L		100	75 - 125		

Lab Sample ID: 460-259478-1 DU
Matrix: Solid
Analysis Batch: 848940

Client Sample ID: RX-4 (0.5-2.5)
Prep Type: TCLP
Prep Batch: 848742

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	7720			7675		ug/L				0.6	20

Lab Sample ID: LRC 460-848940/12
Matrix: Solid
Analysis Batch: 848940

Client Sample ID: Lab Control Sample

Analyte			Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			20000	19480		ug/L		97	90 - 110		

Qualifiers

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-259478-1
Project/Site: Inwood - Lot 9

Metals

Leach Batch: 848570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-259478-1	RX-4 (0.5-2.5)	TCLP	Solid	1311	
LB 460-848570/1-D ^10	Method Blank	TCLP	Solid	1311	
460-259478-1 MS	RX-4 (0.5-2.5)	TCLP	Solid	1311	
460-259478-1 DU	RX-4 (0.5-2.5)	TCLP	Solid	1311	

Prep Batch: 848742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-259478-1	RX-4 (0.5-2.5)	TCLP	Solid	3010A	848570
LB 460-848570/1-D ^10	Method Blank	TCLP	Solid	3010A	848570
MB 460-848742/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-848742/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	
460-259478-1 MS	RX-4 (0.5-2.5)	TCLP	Solid	3010A	848570
460-259478-1 DU	RX-4 (0.5-2.5)	TCLP	Solid	3010A	848570

Analysis Batch: 848940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-259478-1	RX-4 (0.5-2.5)	TCLP	Solid	6020B	848742
LB 460-848570/1-D ^10	Method Blank	TCLP	Solid	6020B	848742
MB 460-848742/1-A	Method Blank	Total/NA	Solid	6020B	848742
LCS 460-848742/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	848742
LRC 460-848940/12	Lab Control Sample		Solid	6020B	
LRC 460-848940/13	Lab Control Sample		Solid	6020B	
460-259478-1 MS	RX-4 (0.5-2.5)	TCLP	Solid	6020B	848742
460-259478-1 DU	RX-4 (0.5-2.5)	TCLP	Solid	6020B	848742

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-259478-1
Project/Site: Inwood - Lot 9

Client Sample ID: RX-4 (0.5-2.5)
Lab Sample ID: 460-259478-1

Date Collected: 06/06/22 12:30
Matrix: Solid
Date Received: 06/06/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			848570	06/07/22 15:00	YXG	TAL EDI
TCLP	Prep	3010A			848742	06/08/22 11:30	SXC	TAL EDI
TCLP	Analysis	6020B		10	848940	06/09/22 10:23	MDC	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-259478-1
Project/Site: Inwood - Lot 9

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

METALS

COVER PAGE
METALS

Lab Name: Eurofins Edison Job Number: 460-259478-1

SDG No.:

Project: Inwood - Lot 9

Client Sample ID	Lab Sample ID
RX-4 (0.5-2.5)	460-259478-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: RX-4 (0.5-2.5)
Lab Sample ID: 460-259478-1
Lab Name: Eurofins Edison
Job No.: 460-259478-1
SDG ID.:
Matrix: Solid
Date Sampled: 06/06/2022 12:30
Reporting Basis: WET
Date Received: 06/06/2022 18:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	7720	12.0	8.4	ug/L			10	6020B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

ICV Source: ME_ICV_00074 Concentration Units: ug/L

CCV Source: ME_Cal4_00116

Analyte	ICV 460-848940/7 06/09/2022 09:03				CCV 460-848940/14 06/09/2022 09:26				CCV 460-848940/26 06/09/2022 10:02			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	76.21		80.0	95	100.6		100	101	100.3		100	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

ICV Source: ME_ICV_00074 Concentration Units: ug/L

CCV Source: ME_Cal4_00116

Analyte	CCV 460-848940/37 06/09/2022 10:28											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	97.74		100	98								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-848940/8 06/09/2022 09:06		CCB 460-848940/15 06/09/2022 09:29		CCB 460-848940/27 06/09/2022 10:05		CCB 460-848940/38 06/09/2022 10:30	
		Found	C	Found	C	Found	C	Found	C
Lead	1.2	1.2	U	1.2	U	1.2	U	1.2	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-848742/1-A

Instrument Code: ICPMS4 Batch No.: 848940

CAS No.	Analyte	Concentration	C	Q	Method
7439-92-1	Lead	1.2	U		6020B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: LB 460-848570/1-D ^10

Instrument Code: ICPMS4 Batch No.: 848940

CAS No.	Analyte	Concentration	C	Q	Method
7439-92-1	Lead	12.0	U		6020B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Lab Sample ID: ICSA 460-848940/10 Instrument ID: ICPMS4

Lab File ID: 013ICSA.d ICS Source: ME_ICSA_00126

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Lead		**0.365**	
Aluminum	*100000*	*100209*	*100*
Antimony		*0.0670*	
Arsenic		*0.230*	
Barium		*2.36*	
Beryllium		*0.0210*	
Boron		*6.18*	
Cadmium		*0.160*	
Calcium	*100000*	*96430*	*96*
Chromium		*0.661*	
Cobalt		*0.314*	
Copper		*0.850*	
Iron	*100000*	*96471*	*96*
Magnesium	*100000*	*101111*	*101*
Manganese		*1.65*	
Molybdenum	*2000*	*2093*	*105*
Nickel		*0.586*	
Potassium	*100000*	*93386*	*93*
Selenium		*-0.0350*	
Silver		*0.478*	
Sodium	*100000*	*100818*	*101*
Strontium		*2.89*	
Thallium		*-0.0970*	
Tin		*0.185*	
Titanium	*2000*	*2158*	*108*
Vanadium		*0.0870*	
Zinc		*3.37*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Lab Sample ID: ICSAB 460-848940/11 Instrument ID: ICPMS4

Lab File ID: 014ICSB.d ICS Source: ME_ICSAB_00087

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Lead	**200**	**213**	**107**
Aluminum	*100000*	*102586*	*103*
Antimony	*100*	*112*	*112*
Arsenic	*200*	*210*	*105*
Barium	*200*	*214*	*107*
Beryllium	*200*	*208*	*104*
Boron		*4.44*	
Cadmium	*200*	*215*	*108*
Calcium	*100000*	*99248*	*99*
Chromium	*200*	*210*	*105*
Cobalt	*200*	*207*	*103*
Copper	*200*	*207*	*104*
Iron	*100000*	*98957*	*99*
Magnesium	*100000*	*103479*	*103*
Manganese	*200*	*213*	*106*
Molybdenum	*2000*	*2143*	*107*
Nickel	*200*	*207*	*103*
Potassium	*100000*	*95418*	*95*
Selenium	*200*	*206*	*103*
Silver	*200*	*202*	*101*
Sodium	*100000*	*103400*	*103*
Strontium	*200*	*216*	*108*
Thallium	*100*	*106*	*106*
Tin	*200*	*211*	*106*
Titanium	*2000*	*2172*	*109*
Vanadium	*200*	*213*	*107*
Zinc	*200*	*201*	*100*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: RX-4 (0.5-2.5) MS
Lab ID: 460-259478-1 MS
Lab Name: Eurofins Edison
Job No.: 460-259478-1
SDG No.:
Matrix: Solid
Concentration Units: ug/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Lead	12740		7720		5000	100	75-125		6020B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: RX-4 (0.5-2.5) PDS | Lab ID: 460-259478-1 PDS

Lab Name: Eurofins Edison | Job No.: 460-259478-1

SDG No.:

Matrix: Solid | Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Lead	7436		7720		250	NC	75-125		6020B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

6-IN
DUPLICATES
METALS - TCLP

Client ID: RX-4 (0.5-2.5) DU | Lab ID: 460-259478-1 DU

Lab Name: Eurofins Edison | Job No.: 460-259478-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Solid | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Lead	12.0	7720		7675		0.6		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-848940/12

Lab Name: Eurofins Edison Job No.: 460-259478-1

Sample Matrix: LCS Source: me_LR-A_00018

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Lead	20000	19480		97	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-848940/13

Lab Name: Eurofins Edison Job No.: 460-259478-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Lead		3.12						6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-848742/2-A ^10

Lab Name: Eurofins Edison Job No.: 460-259478-1

Sample Matrix: Water LCS Source: ME_TCLPspk_00052

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Lead	5000	5578		112	80	120		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 460-259478-1

SDG No:

Lab Name: Eurofins Edison Job No: 460-259478-1

Matrix: Solid Concentration Units: ug/L

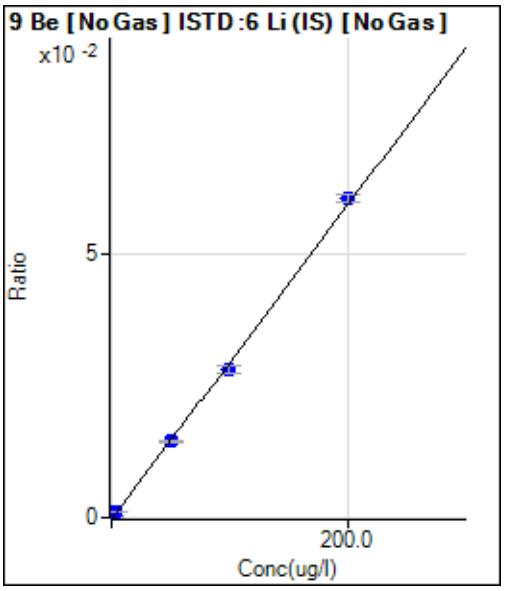
Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Lead	7720		7627		1.2		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

Batch Folder: D:\Agilent\ICPMH\1\DATA\NM060922.b\
Analysis File: NM060922.batch.bin
DA Date-Time: 2022-06-09 09:30:17
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

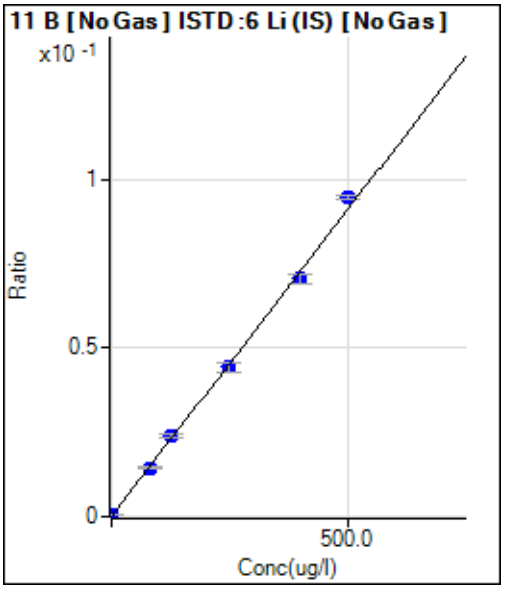
Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	IC CAL-Blk	2022-06-09 08:50:03
2	005CALS.d	IC CAL1 9803767	2022-06-09 08:52:23
3	006CALS.d	IC CAL2 9767631	2022-06-09 08:54:42
4	007CALS.d	IC CAL3 9767645	2022-06-09 08:57:01
5	008CALS.d	IC CAL4 9942612	2022-06-09 08:59:19
6	009CALS.d	IC CAL5 97676796	2022-06-09 09:01:36



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.22	0.0000	P	40.8	
2	☐	0.800	0.792	474.46	0.0002	P	2.9	-1.0
3	☐	4.000	4.068	2379.11	0.0012	P	6.0	1.7
4	☐	50.000	48.380	28101.44	0.0145	P	4.0	-3.2
5	☐	100.000	94.485	54773.98	0.0283	P	4.9	-5.5
6	☐	200.000	203.161	115611.74	0.0608	P	2.4	1.6

y = 2.9904E-004 * x + 6.2765E-006
R = 0.9994
DL = 0.02568 ug/l
BEC = 0.02099 ug/l

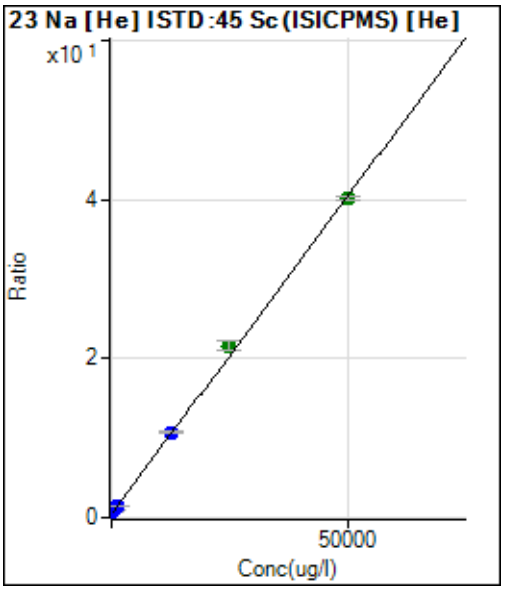
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1260.06	0.0006	P	3.4	
2	☐	80.000	75.546	28071.42	0.0144	P	3.7	-5.6
3	☐	400.000	384.540	137373.88	0.0706	P	3.7	-3.9
4	☐	125.000	128.217	46550.20	0.0240	P	2.6	2.6
5	☐	250.000	239.791	85798.18	0.0443	P	5.6	-4.1
6	☐	500.000	517.381	180339.39	0.0948	P	1.3	3.5

y = 1.8191E-004 * x + 6.4899E-004
R = 0.9984
DL = 0.3649 ug/l
BEC = 3.568 ug/l

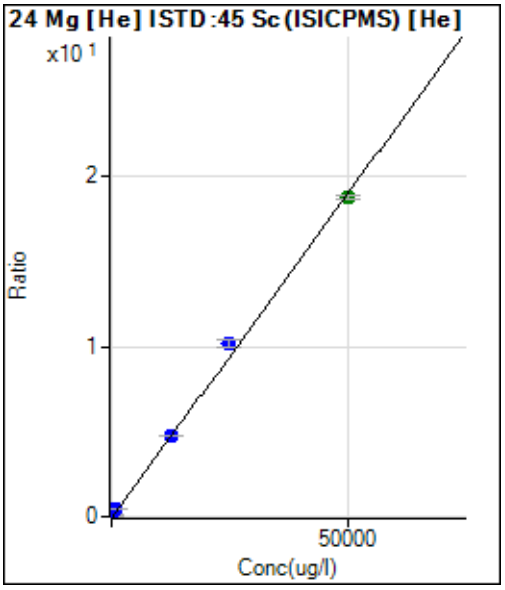
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	38078.23	0.6980	P	1.3	
2	☐	200.000	202.775	47076.59	0.8602	P	1.1	1.4
3	☐	1000.000	1061.413	84717.89	1.5469	P	1.1	6.1
4	☐	12500.00	12591.38	605492.01	10.767	P	1.5	0.7
5	☐	25000.00	26147.22	1177354.11	21.608	A	5.7	4.6
6	☐	50000.00	49402.30	2249503.11	40.205	A	1.6	-1.2

y = 7.9971E-004 * x + 0.6980
R = 0.9996
DL = 33.53 ug/l
BEC = 872.9 ug/l

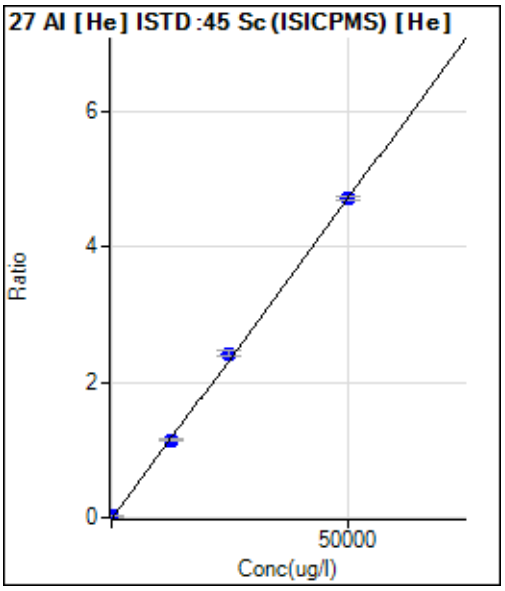
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	58.89	0.0011	P	18.0	
2	☐	200.000	207.787	4395.17	0.0803	P	2.1	3.9
3	☐	1000.000	1046.384	21911.77	0.4001	P	1.4	4.6
4	☐	12500.00	12492.33	267938.77	4.7646	P	1.1	-0.1
5	☐	25000.00	26603.75	552833.06	10.145	P	4.8	6.4
6	☐	50000.00	49199.08	1049777.20	18.761	A	1.1	-1.6

y = 3.8131E-004 * x + 0.0011
R = 0.9992
DL = 1.532 ug/l
BEC = 2.833 ug/l

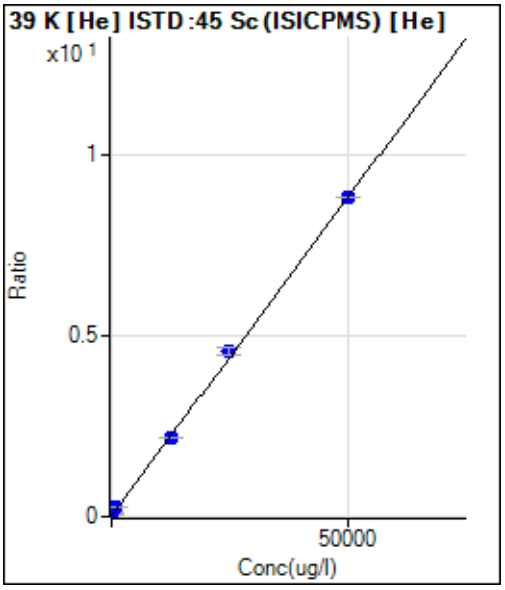
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18.89	0.0003	P	17.9	
2	☐	40.000	38.685	219.45	0.0040	P	8.8	-3.3
3	☐	200.000	198.627	1048.93	0.0192	P	7.1	-0.7
4	☐	12500.00	12052.79	64193.74	1.1417	P	2.7	-3.6
5	☐	25000.00	25622.16	132234.29	2.4267	P	4.0	2.5
6	☐	50000.00	49800.72	263874.40	4.7163	P	1.8	-0.4

y = 9.4696E-005 * x + 3.4601E-004
R = 0.9998
DL = 1.964 ug/l
BEC = 3.654 ug/l

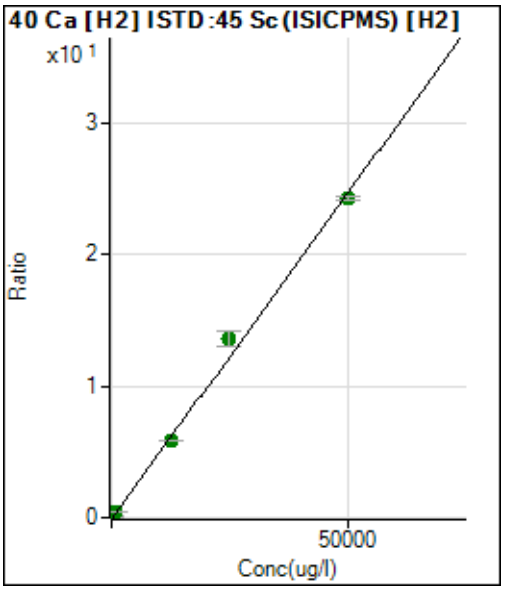
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3763.87	0.0690	P	4.2	
2	☐	200.000	198.914	5687.87	0.1039	P	3.8	-0.5
3	☐	1000.000	1012.563	13527.77	0.2470	P	1.3	1.3
4	☐	12500.00	12054.10	123053.84	2.1883	P	1.4	-3.6
5	☐	25000.00	25640.61	249415.19	4.5770	P	3.8	2.6
6	☐	50000.00	49790.92	493699.93	8.8231	P	0.2	-0.4

y = 1.7582E-004 * x + 0.0690
R = 0.9998
DL = 49.44 ug/l
BEC = 392.2 ug/l

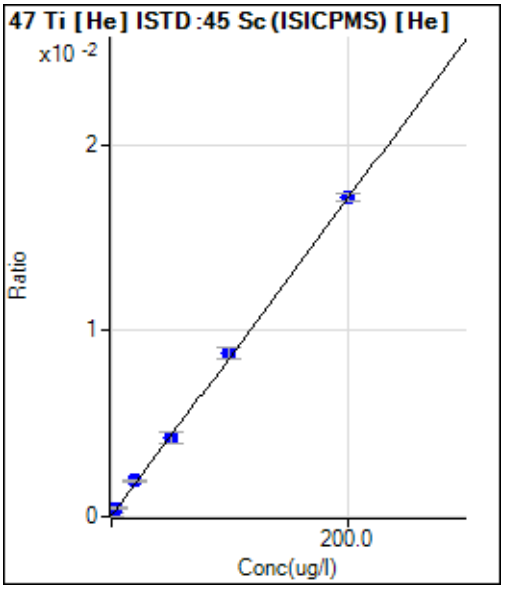
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	26315.05	0.0141	P	1.9	
2	☐	200.000	209.923	219588.50	0.1180	P	2.8	5.0
3	☐	1000.000	984.732	953373.59	0.5015	A	0.9	-1.5
4	☐	12500.00	11844.49	11105560.67	5.8766	A	0.2	-5.2
5	☐	25000.00	27393.77	24943387.96	13.572	A	8.7	9.6
6	☐	50000.00	48967.25	46212183.76	24.250	A	1.1	-2.1

y = 4.9495E-004 * x + 0.0141
R = 0.9982
DL = 1.629 ug/l
BEC = 28.57 ug/l

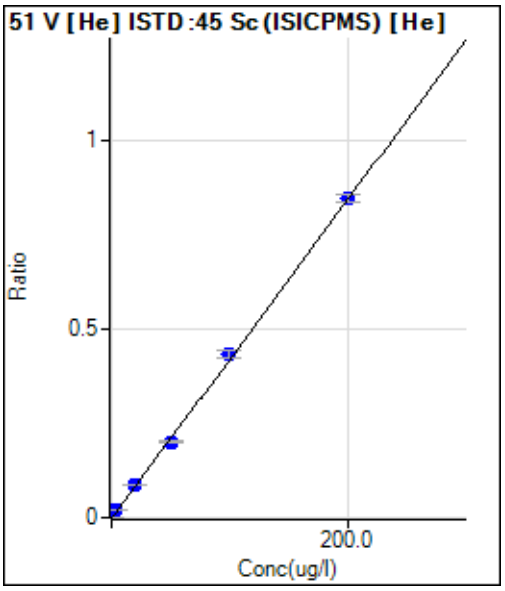
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7.67	0.0001	P	138.	
2	☐	4.000	3.366	23.33	0.0004	P	25.6	-15.8
3	☐	20.000	21.106	106.34	0.0019	P	3.9	5.5
4	☐	50.000	48.124	238.69	0.0042	P	13.3	-3.8
5	☐	100.000	101.500	479.72	0.0088	P	7.4	1.5
6	☐	200.000	199.621	961.46	0.0172	P	2.1	-0.2

y = 8.5393E-005 * x + 1.3866E-004
R = 0.9999
DL = 6.759 ug/l
BEC = 1.624 ug/l

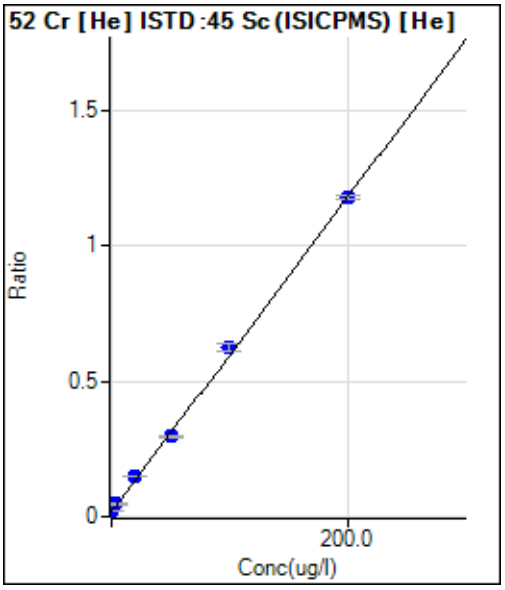
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.89	0.0018	P	21.8	
2	☐	4.000	4.088	1044.49	0.0191	P	11.2	2.2
3	☐	20.000	20.223	4778.64	0.0873	P	4.3	1.1
4	☐	50.000	47.093	11290.28	0.2008	P	3.6	-5.8
5	☐	100.000	101.925	23566.48	0.4325	P	5.4	1.9
6	☐	200.000	199.740	47324.75	0.8458	P	2.1	-0.1

y = 0.0042 * x + 0.0018
R = 0.9998
DL = 0.2799 ug/l
BEC = 0.4284 ug/l

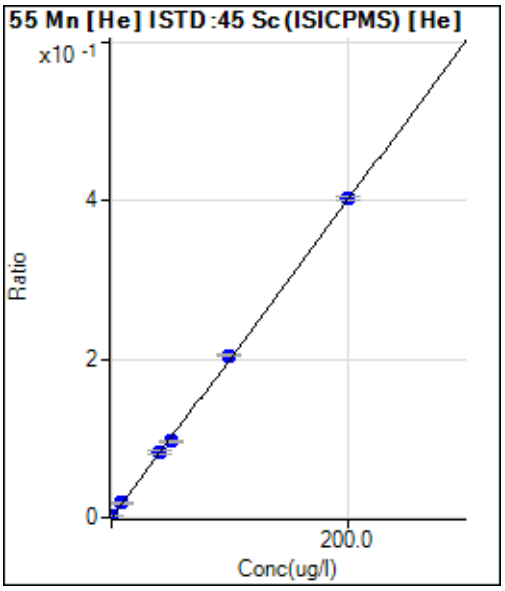
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1278.96	0.0234	P	0.5	
2	☐	4.000	4.056	2574.70	0.0471	P	7.3	1.4
3	☐	20.000	21.443	8119.11	0.1483	P	2.1	7.2
4	☐	50.000	47.127	16741.41	0.2978	P	2.6	-5.7
5	☐	100.000	103.630	34145.83	0.6266	P	4.2	3.6
6	☐	200.000	198.758	66043.95	1.1803	P	1.5	-0.6

y = 0.0058 * x + 0.0234
R = 0.9996
DL = 0.05903 ug/l
BEC = 4.028 ug/l

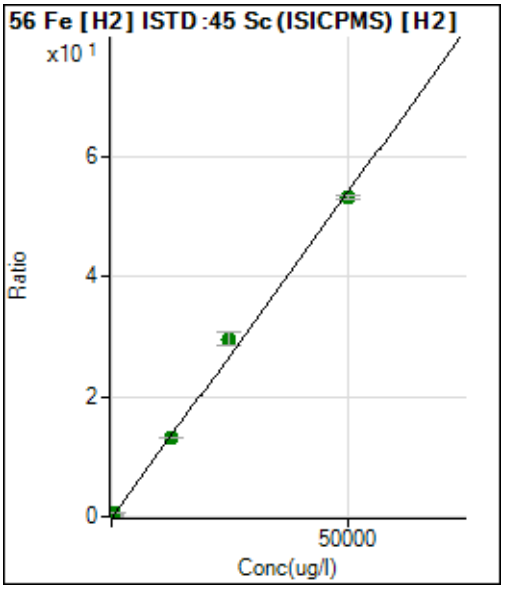
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	91.11	0.0017	P	20.7	
2	☐	8.000	8.330	1006.71	0.0184	P	5.0	4.1
3	☐	40.000	40.097	4498.55	0.0822	P	4.6	0.2
4	☐	50.000	47.255	5430.01	0.0965	P	3.5	-5.5
5	☐	100.000	101.331	11178.11	0.2051	P	1.7	1.3
6	☐	200.000	199.988	22557.55	0.4032	P	1.2	0.0

y = 0.0020 * x + 0.0017
R = 0.9998
DL = 0.5174 ug/l
BEC = 0.8324 ug/l

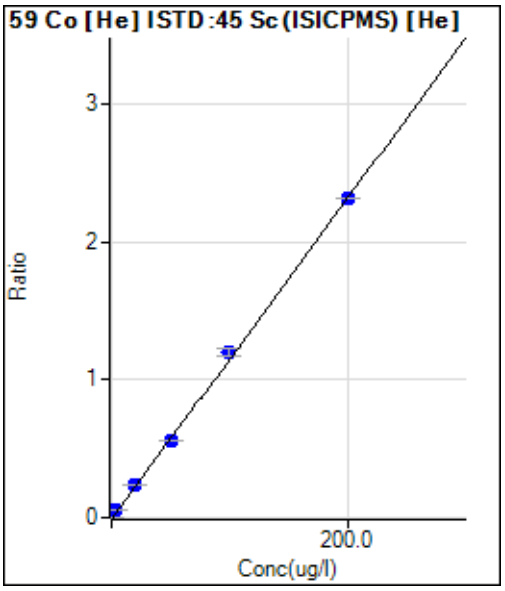
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	46046.04	0.0247	P	1.1	
2	☐	120.000	133.080	314614.36	0.1691	P	1.9	10.9
3	☐	600.000	611.086	1307390.42	0.6877	A	1.2	1.8
4	☐	12500.00	11965.57	24579251.86	13.006	A	0.4	-4.3
5	☐	25000.00	27286.70	54446825.30	29.627	A	8.4	9.1
6	☐	50000.00	48990.09	101330326.2	53.173	A	1.0	-2.0

y = 0.0011 * x + 0.0247
R = 0.9984
DL = 0.7725 ug/l
BEC = 22.81 ug/l

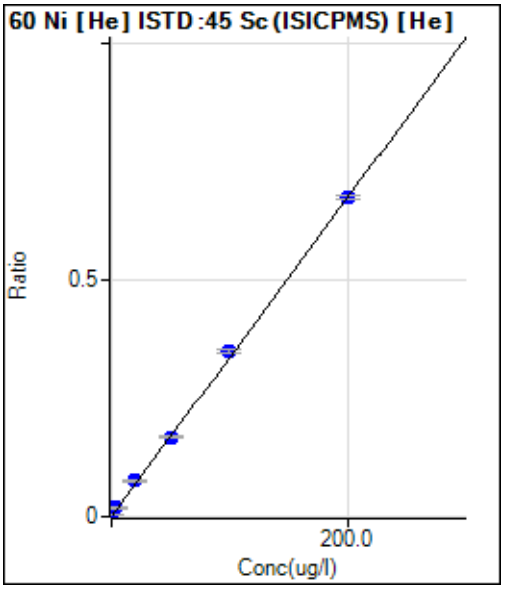
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.33	0.0002	P	23.8	
2	☐	4.000	4.233	2709.18	0.0495	P	2.1	5.8
3	☐	20.000	20.825	13286.51	0.2426	P	0.4	4.1
4	☐	50.000	48.032	31445.20	0.5592	P	1.4	-3.9
5	☐	100.000	103.142	65419.69	1.2005	P	4.2	3.1
6	☐	200.000	198.834	129478.50	2.3140	P	0.3	-0.6

y = 0.0116 * x + 2.4398E-004
R = 0.9997
DL = 0.015 ug/l
BEC = 0.02097 ug/l

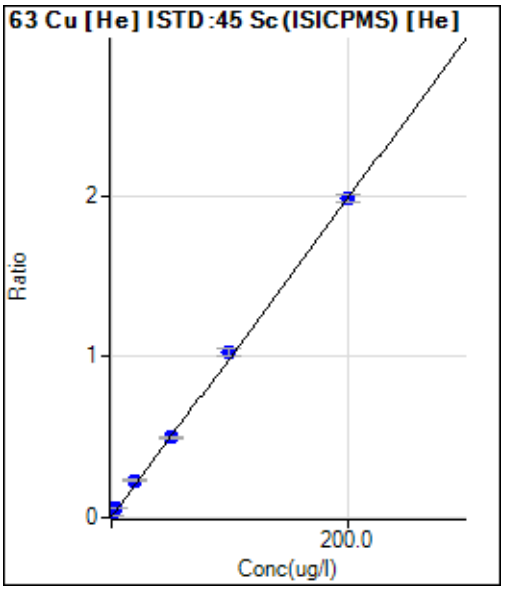
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	233.34	0.0043	P	22.6	
2	☐	4.000	4.265	1020.05	0.0186	P	6.6	6.6
3	☐	20.000	21.136	4131.76	0.0754	P	3.7	5.7
4	☐	50.000	48.610	9442.22	0.1679	P	1.6	-2.8
5	☐	100.000	102.441	19025.97	0.3491	P	2.9	2.4
6	☐	200.000	199.008	37722.01	0.6742	P	1.2	-0.5

y = 0.0034 * x + 0.0043
R = 0.9998
DL = 0.8631 ug/l
BEC = 1.273 ug/l

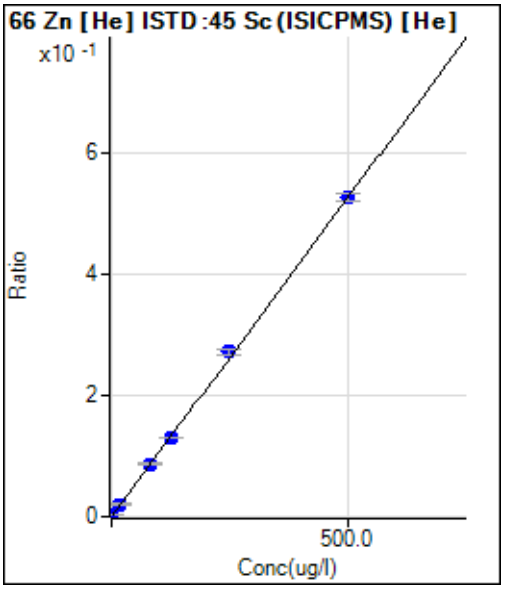
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	763.36	0.0140	P	1.9	
2	☐	4.000	4.376	3135.94	0.0573	P	4.6	9.4
3	☐	20.000	22.020	12703.77	0.2320	P	1.5	10.1
4	☐	50.000	48.930	28021.09	0.4983	P	1.7	-2.1
5	☐	100.000	102.184	55877.37	1.0254	P	4.4	2.2
6	☐	200.000	198.966	110969.71	1.9834	P	2.6	-0.5

y = 0.0099 * x + 0.0140
R = 0.9998
DL = 0.08234 ug/l
BEC = 1.413 ug/l

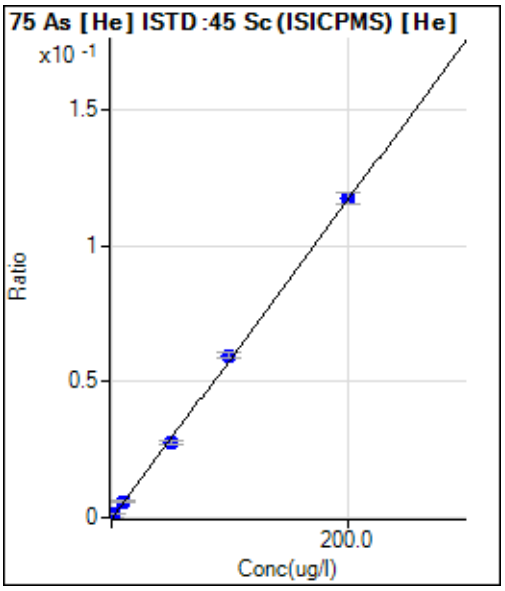
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	140.00	0.0026	P	17.8	
2	☐	16.000	16.832	1108.94	0.0203	P	9.0	5.2
3	☐	80.000	80.219	4758.65	0.0869	P	4.4	0.3
4	☐	125.000	121.558	7332.02	0.1304	P	1.3	-2.8
5	☐	250.000	255.425	14777.29	0.2711	P	3.0	2.2
6	☐	500.000	498.086	29443.01	0.5263	P	2.5	-0.4

y = 0.0011 * x + 0.0026
R = 0.9999
DL = 1.308 ug/l
BEC = 2.444 ug/l

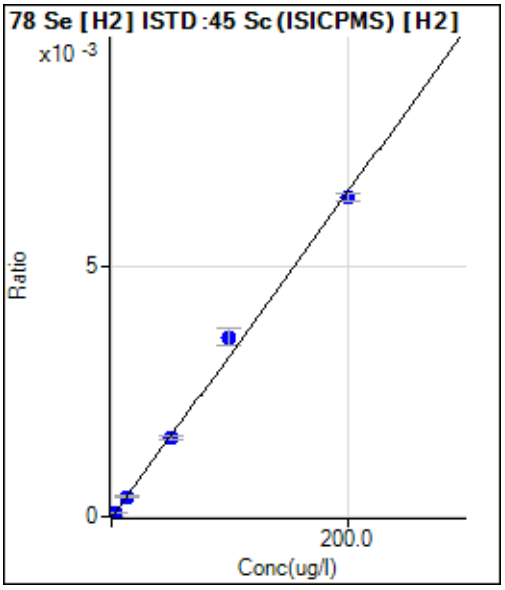
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.11	0.0001	P	32.6	
2	☐	2.000	1.813	64.44	0.0012	P	18.5	-9.3
3	☐	10.000	9.983	327.78	0.0060	P	8.7	-0.2
4	☐	50.000	47.092	1562.32	0.0278	P	5.1	-5.8
5	☐	100.000	101.268	3249.86	0.0596	P	3.7	1.3
6	☐	200.000	200.096	6586.06	0.1177	P	3.2	0.0

y = 5.8778E-004 * x + 1.1224E-004
R = 0.9999
DL = 0.1865 ug/l
BEC = 0.191 ug/l

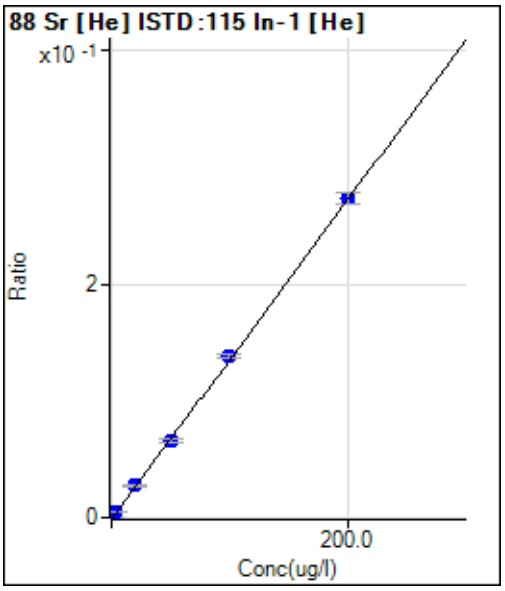
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	21.11	0.0000	P	39.5	
2	☐	2.500	2.364	164.45	0.0001	P	2.8	-5.4
3	☐	12.500	11.975	763.36	0.0004	P	3.1	-4.2
4	☐	50.000	48.042	2980.35	0.0016	P	2.9	-3.9
5	☐	100.000	109.676	6590.57	0.0036	P	9.9	9.7
6	☐	200.000	195.686	12173.32	0.0064	P	2.2	-2.2

y = 3.2591E-005 * x + 1.1345E-005
R = 0.9981
DL = 0.413 ug/l
BEC = 0.3481 ug/l

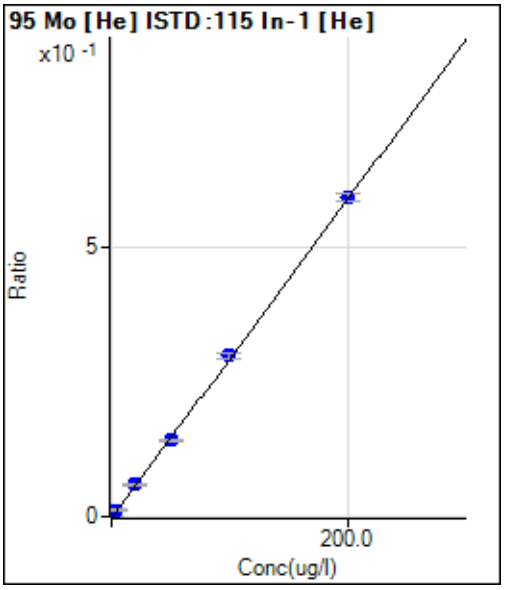
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7.78	0.0001	P	65.6	
2	☐	4.000	3.822	378.90	0.0053	P	8.0	-4.4
3	☐	20.000	20.257	1984.61	0.0278	P	5.3	1.3
4	☐	50.000	47.752	4620.83	0.0654	P	4.8	-4.5
5	☐	100.000	101.373	9641.44	0.1388	P	2.5	1.4
6	☐	200.000	199.853	19168.22	0.2735	P	3.7	-0.1

y = 0.0014 * x + 1.1069E-004
R = 0.9999
DL = 0.1593 ug/l
BEC = 0.08092 ug/l

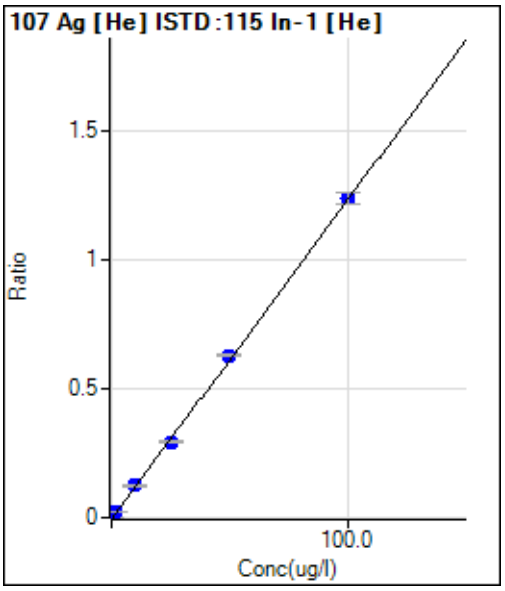
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.22	0.0002	P	31.7	
2	☐	4.000	4.076	871.15	0.0123	P	6.2	1.9
3	☐	20.000	20.017	4255.15	0.0597	P	3.1	0.1
4	☐	50.000	47.955	10070.54	0.1427	P	2.6	-4.1
5	☐	100.000	100.702	20800.15	0.2994	P	2.6	0.7
6	☐	200.000	200.157	41702.86	0.5949	P	2.3	0.1

y = 0.0030 * x + 1.7404E-004
R = 0.9999
DL = 0.05564 ug/l
BEC = 0.05857 ug/l

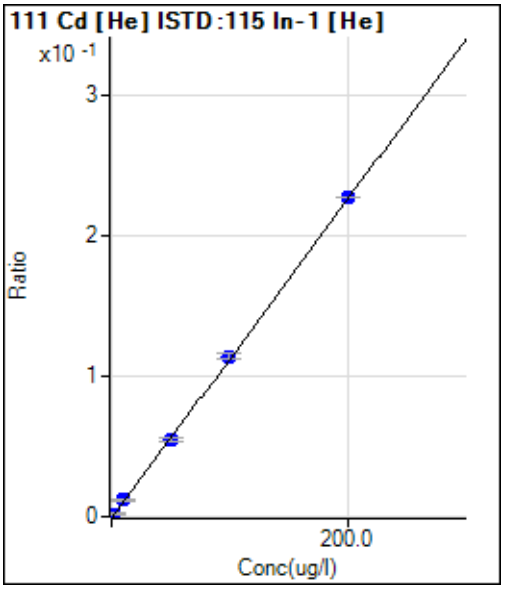
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	27.78	0.0004	P	25.3	
2	☐	2.000	1.965	1756.79	0.0248	P	1.4	-1.7
3	☐	10.000	9.947	8828.54	0.1238	P	2.2	-0.5
4	☐	25.000	23.679	20764.14	0.2941	P	1.7	-5.3
5	☐	50.000	50.731	43740.71	0.6296	P	1.6	1.5
6	☐	100.000	99.970	86941.08	1.2403	P	3.1	0.0

y = 0.0124 * x + 3.9566E-004
R = 0.9999
DL = 0.02425 ug/l
BEC = 0.0319 ug/l

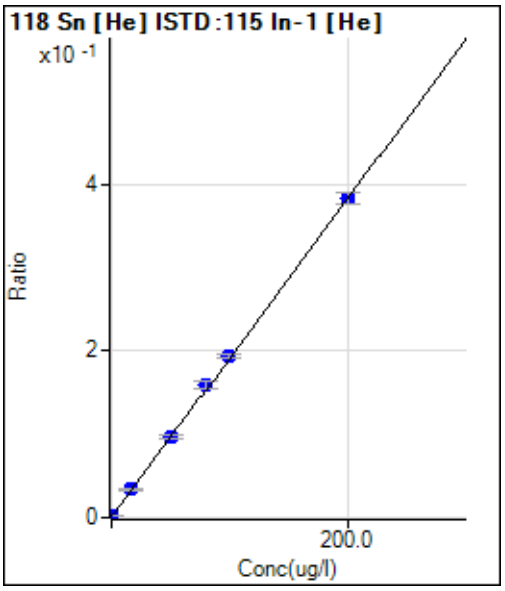
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	1.775	143.34	0.0020	P	24.5	-11.3
3	☐	10.000	10.600	860.04	0.0121	P	9.5	6.0
4	☐	50.000	48.004	3853.93	0.0546	P	4.7	-4.0
5	☐	100.000	100.650	7953.63	0.1145	P	4.3	0.7
6	☐	200.000	200.146	15964.19	0.2277	P	0.2	0.1

y = 0.0011 * x + 0.0000E+000
R = 0.9999
DL = 0 ug/l
BEC = 0 ug/l

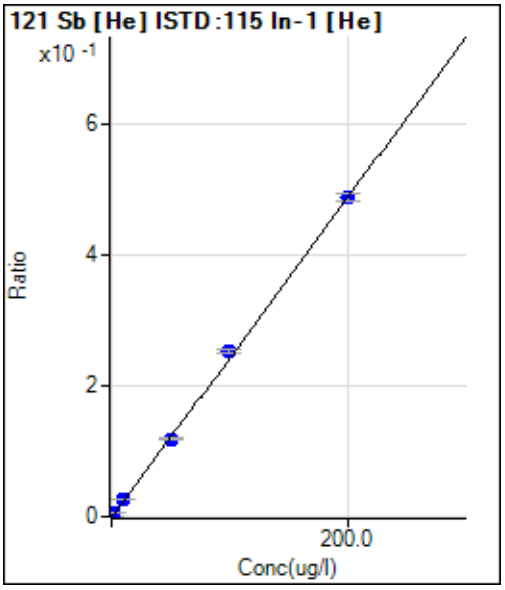
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	186.67	0.0027	P	10.0	
2	☐	16.000	16.231	2392.46	0.0337	P	1.8	1.4
3	☐	80.000	82.283	11426.17	0.1602	P	5.3	2.9
4	☐	50.000	49.536	6882.96	0.0975	P	4.5	-0.9
5	☐	100.000	100.217	13512.75	0.1945	P	2.8	0.2
6	☐	200.000	199.076	26897.55	0.3837	P	3.2	-0.5

y = 0.0019 * x + 0.0027
R = 0.9999
DL = 0.4147 ug/l
BEC = 1.388 ug/l

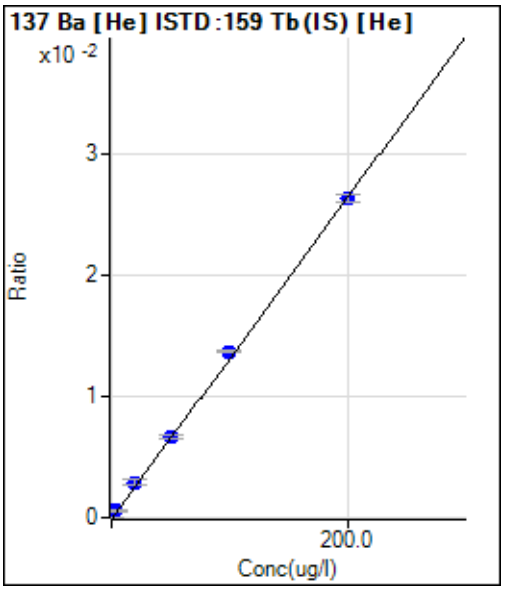
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	41.11	0.0006	P	19.7	
2	☐	2.000	2.168	417.79	0.0059	P	7.3	8.4
3	☐	10.000	10.491	1871.81	0.0262	P	2.8	4.9
4	☐	50.000	48.256	8372.13	0.1186	P	2.4	-3.5
5	☐	100.000	102.680	17485.83	0.2517	P	2.5	2.7
6	☐	200.000	199.070	34166.50	0.4874	P	2.7	-0.5

y = 0.0024 * x + 5.8497E-004
R = 0.9998
DL = 0.1415 ug/l
BEC = 0.2392 ug/l

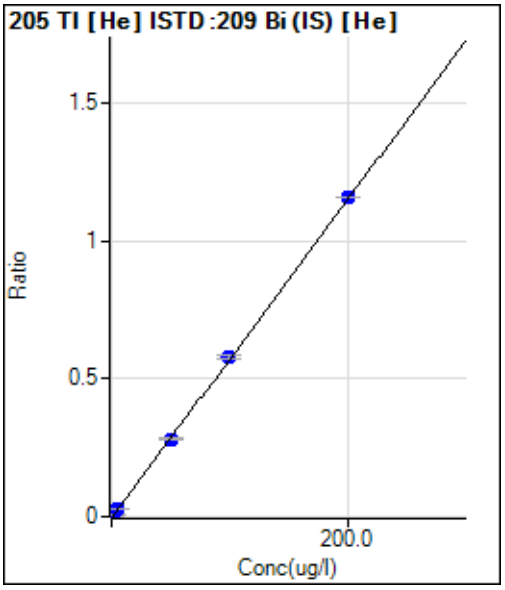
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.34	0.0000	P	173.	
2	☐	4.000	4.142	210.22	0.0006	P	16.2	3.5
3	☐	20.000	21.709	1087.82	0.0029	P	16.6	8.5
4	☐	50.000	50.074	2499.47	0.0067	P	3.5	0.1
5	☐	100.000	102.954	5042.85	0.0137	P	1.1	3.0
6	☐	200.000	198.331	9813.72	0.0264	P	2.1	-0.8

y = 1.3286E-004 * x + 8.9492E-006
R = 0.9998
DL = 0.35 ug/l
BEC = 0.06736 ug/l

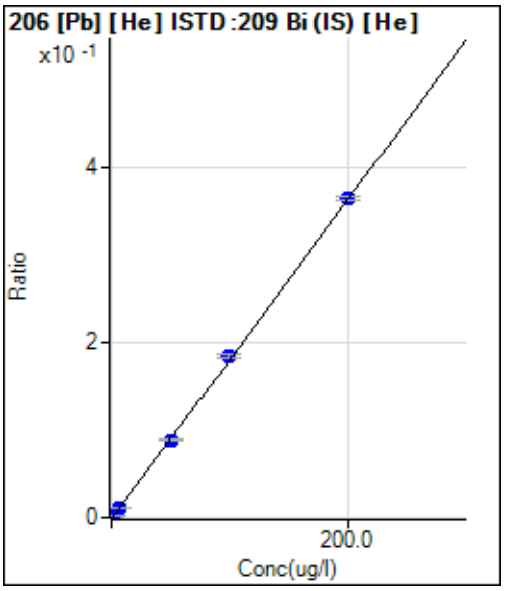
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	411.12	0.0015	P	5.8	
2	☐	0.800	0.762	1671.24	0.0059	P	8.5	-4.7
3	☐	4.000	4.027	7088.71	0.0247	P	0.6	0.7
4	☐	50.000	48.645	78791.41	0.2826	P	1.0	-2.7
5	☐	100.000	99.963	158664.72	0.5791	P	2.4	0.0
6	☐	200.000	200.357	314529.68	1.1593	P	0.4	0.2

y = 0.0058 * x + 0.0015
R = 1.0000
DL = 0.0437 ug/l
BEC = 0.2513 ug/l

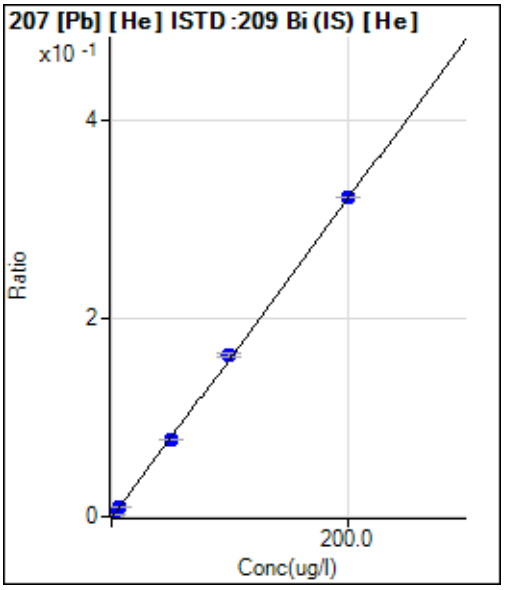
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	121.11	0.0004	P	16.4	
2	☐	1.200	1.188	740.03	0.0026	P	2.7	-1.0
3	☐	6.000	6.066	3291.57	0.0115	P	5.9	1.1
4	☐	50.000	48.502	24757.92	0.0888	P	1.8	-3.0
5	☐	100.000	100.966	50511.30	0.1844	P	3.2	1.0
6	☐	200.000	199.890	98919.95	0.3646	P	1.0	-0.1

y = 0.0018 * x + 4.2789E-004
R = 1.0000
DL = 0.1153 ug/l
BEC = 0.2349 ug/l

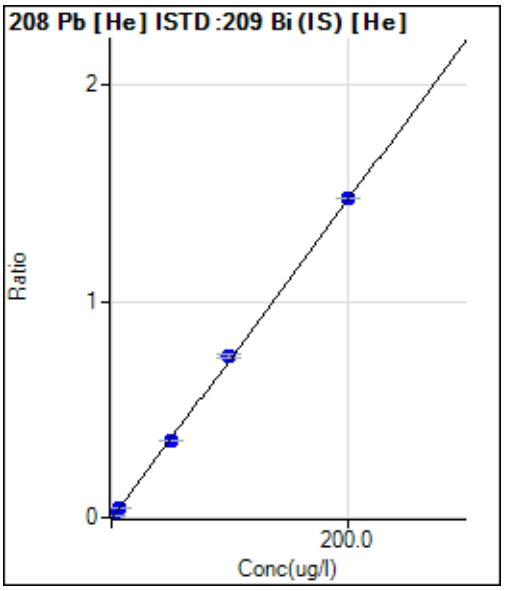
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	88.89	0.0003	P	30.9	
2	☐	1.200	1.161	622.25	0.0022	P	11.9	-3.2
3	☐	6.000	5.866	2793.67	0.0097	P	6.1	-2.2
4	☐	50.000	48.016	21607.68	0.0775	P	1.4	-4.0
5	☐	100.000	101.054	44585.87	0.1627	P	1.7	1.1
6	☐	200.000	199.973	87285.77	0.3217	P	0.4	0.0

y = 0.0016 * x + 3.1415E-004
R = 0.9999
DL = 0.1811 ug/l
BEC = 0.1955 ug/l

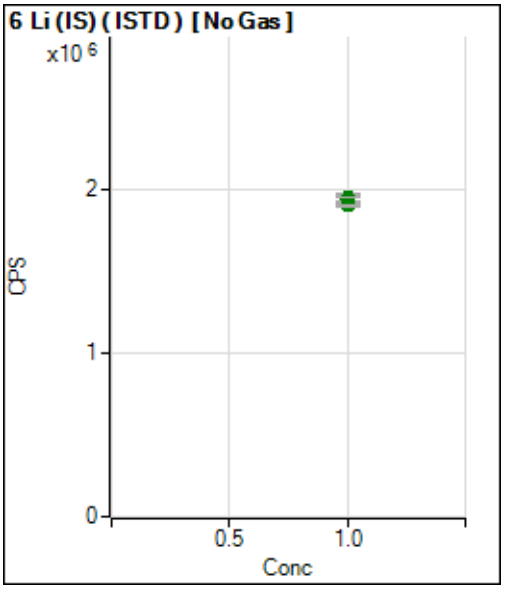
Weight: <None>
Min Conc: <None>



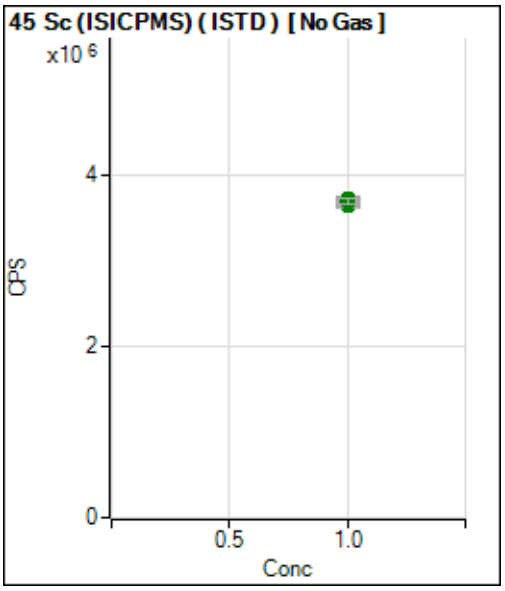
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	445.56	0.0016	P	14.7	
2	☐	1.200	1.190	2954.62	0.0104	P	4.8	-0.8
3	☐	6.000	6.018	13177.30	0.0460	P	2.3	0.3
4	☐	50.000	48.128	99408.13	0.3565	P	1.0	-3.7
5	☐	100.000	100.694	203878.79	0.7442	P	2.3	0.7
6	☐	200.000	200.120	400835.36	1.4774	P	0.6	0.1

y = 0.0074 * x + 0.0016
R = 0.9999
DL = 0.09417 ug/l
BEC = 0.2135 ug/l

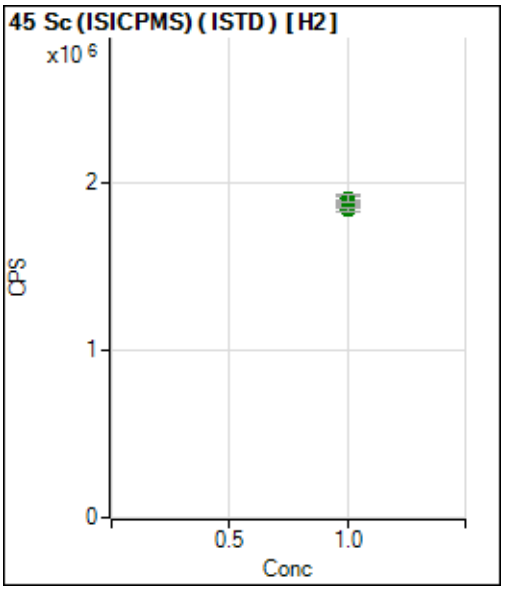
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1941046.15		A	1.3	
2	☐	1.000		1951541.97		A	2.5	
3	☐	1.000		1946400.41		A	1.4	
4	☐	1.000		1942338.20		A	3.3	
5	☐	1.000		1938334.50		A	1.7	
6	☐	1.000		1902971.00		A	0.8	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3681519.20		A	1.5	
2	☐	1.000		3644561.15		A	0.6	
3	☐	1.000		3716646.10		A	1.0	
4	☐	1.000		3700559.62		A	1.3	
5	☐	1.000		3735666.47		A	0.9	
6	☐	1.000		3704609.64		A	1.7	



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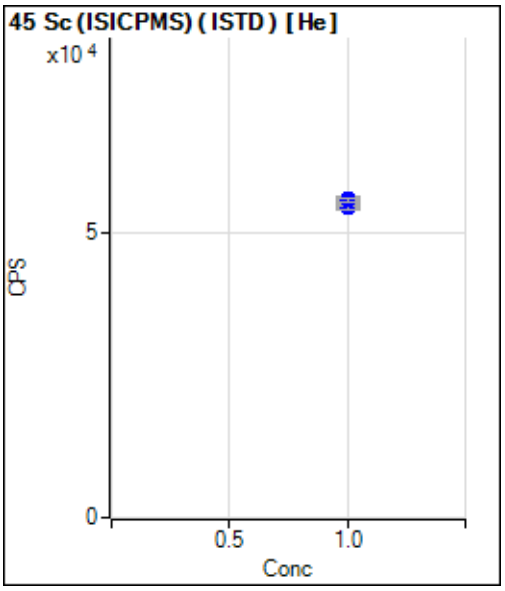
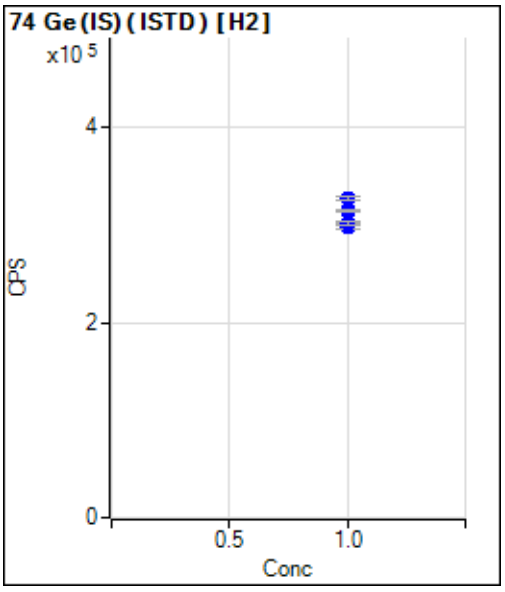
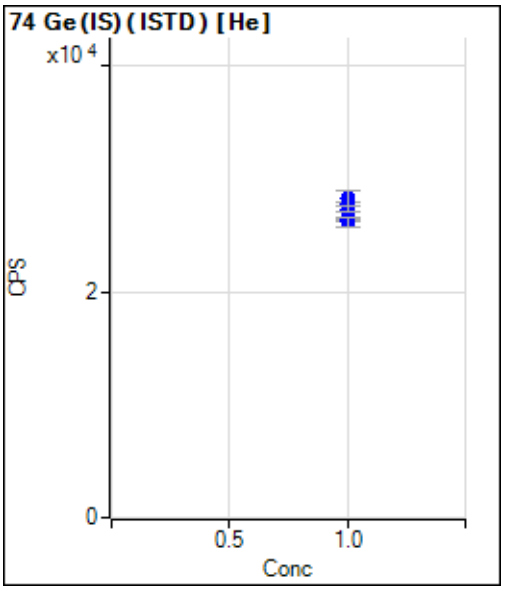
1	☐	1.000		1860834.25		A	1.0	
2	☐	1.000		1860246.20		A	0.3	
3	☐	1.000		1900966.05		A	1.3	
4	☐	1.000		1889785.65		A	0.9	
5	☐	1.000		1836214.50		A	1.5	
6	☐	1.000		1905943.08		A	2.2	



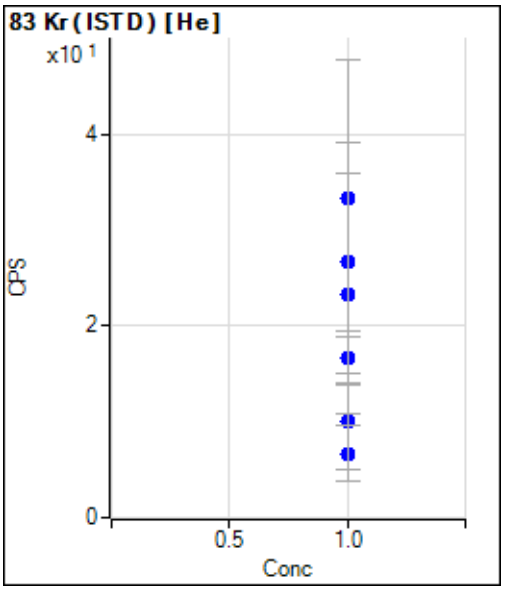
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		54556.37		P	1.5	
2	☐	1.000		54726.90		P	0.4	
3	☐	1.000		54771.65		P	1.4	
4	☐	1.000		56240.78		P	1.5	
5	☐	1.000		54509.41		P	1.2	
6	☐	1.000		55955.24		P	0.9	



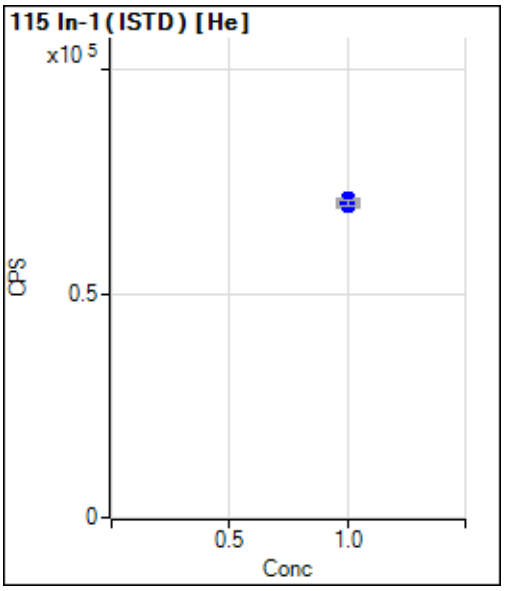
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		301154.95		P	0.9	
2	☐	1.000		297306.33		P	1.1	
3	☐	1.000		302336.30		P	1.2	
4	☐	1.000		313766.14		P	0.4	
5	☐	1.000		314928.19		P	0.7	
6	☐	1.000		327353.08		P	1.4	



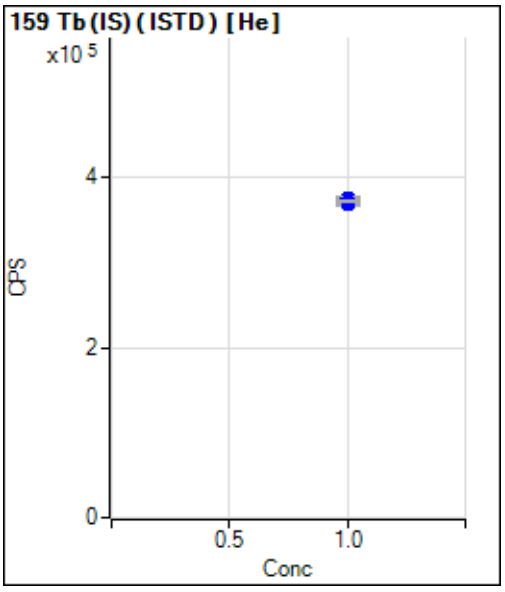
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		26335.55		P	0.9	
2	☐	1.000		26422.45		P	1.0	
3	☐	1.000		26165.15		P	3.2	
4	☐	1.000		27683.03		P	1.3	
5	☐	1.000		27301.86		P	1.9	
6	☐	1.000		28261.48		P	4.8	



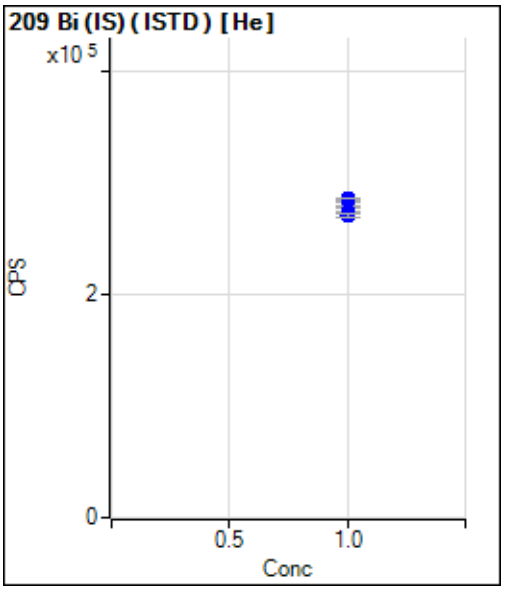
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		33.37		P	86.6	
2	☐	1.000		26.69		P	94.4	
3	☐	1.000		23.36		P	107.	
4	☐	1.000		16.68		P	34.6	
5	☐	1.000		10.01		P	100.	
6	☐	1.000		6.67		P	86.6	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		70254.11		P	0.4	
2	☐	1.000		70929.21		P	1.2	
3	☐	1.000		71331.07		P	0.3	
4	☐	1.000		70608.36		P	1.5	
5	☐	1.000		69469.36		P	0.5	
6	☐	1.000		70120.54		P	1.9	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		372475.36		P	0.6	
2	☐	1.000		375791.03		P	0.4	
3	☐	1.000		375528.01		P	1.1	
4	☐	1.000		375197.25		P	1.0	
5	☐	1.000		368437.19		P	0.5	
6	☐	1.000		372305.37		P	0.1	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		283122.10		P	0.5	
2	☐	1.000		285468.78		P	0.5	
3	☐	1.000		286725.68		P	0.5	
4	☐	1.000		278843.22		P	0.6	
5	☐	1.000		273990.36		P	0.7	
6	☐	1.000		271307.11		P	0.8	

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Edison Job Number: 460-259478-1

SDG Number:

Matrix: Solid Instrument ID: ICPMS4

Method: 6020B MDL Date: 03/09/2022 00:00

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Lead		1.2	0.844

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Edison Job Number: 460-259478-1

SDG Number:

Matrix: Solid Instrument ID: ICPMS4

Method: 6020B XMDL Date: 03/09/2022 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Lead		1.2	0.844

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Edison Job No: 460-259478-1

SDG No.:

Instrument ID: ICPMS4 Date: 07/09/2020 16:09

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Lead		20000	6020B

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-848742/1-A	06/08/2022 11:30	848742		50	50
LCS 460-848742/2-A ^10	06/08/2022 11:30	848742		50	50
460-259478-1	06/08/2022 11:30	848742		50	50
460-259478-1 DU	06/08/2022 11:30	848742		50	50
460-259478-1 MS	06/08/2022 11:30	848742		50	50
LB 460-848570/1-D ^10	06/08/2022 11:30	848742		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Instrument ID: ICPMS4 Method: 6020B

Start Date: 06/09/2022 08:50 End Date: 06/09/2022 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
IC 460-848940/1	1		08:50	X																			
IC 460-848940/2	1		08:52	X																			
IC 460-848940/3	1		08:54	X																			
IC 460-848940/4	1		08:57	X																			
IC 460-848940/5	1		08:59	X																			
IC 460-848940/6	1		09:01	X																			
ICV 460-848940/7	1		09:03	X																			
ICB 460-848940/8	1		09:06	X																			
CRI 460-848940/9			09:08																				
ICSA 460-848940/10	1		09:10	X																			
ICSAB 460-848940/11	1		09:13	X																			
LRC 460-848940/12	1		09:15	X																			
LRC 460-848940/13	1		09:17	X																			
CCV 460-848940/14	1		09:26	X																			
CCB 460-848940/15	1		09:29	X																			
ZZZZZZ			09:39																				
ZZZZZZ			09:42																				
ZZZZZZ			09:44																				
ZZZZZZ			09:46																				
ZZZZZZ			09:48																				
ZZZZZZ			09:51																				
ZZZZZZ			09:53																				
ZZZZZZ			09:55																				
ZZZZZZ			09:58																				
ZZZZZZ			10:00																				
CCV 460-848940/26	1		10:02	X																			
CCB 460-848940/27	1		10:05	X																			
MB 460-848742/1-A	1	T	10:07	X																			
LB 460-848570/1-D ^10	10	P	10:09	X																			
ZZZZZZ			10:12																				
LCS 460-848742/2-A ^10	10	T	10:14	X																			
460-259478-1 PDS	10	P	10:16	X																			
460-259478-1 MS	10	P	10:19	X																			
460-259478-1 DU	10	P	10:21	X																			
460-259478-1	10	P	10:23	X																			
460-259478-1 SD	50	P	10:26	X																			
CCV 460-848940/37	1		10:28	X																			
CCB 460-848940/38	1		10:30	X																			
ZZZZZZ			10:32																				
ZZZZZZ			10:35																				
ZZZZZZ			10:37																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Instrument ID: ICPMS4 Method: 6020B

Start Date: 06/09/2022 08:50 End Date: 06/09/2022 14:15

Lab Sample ID	D / F	Type	Time	Analytes																			
				Pb																			
ZZZZZZ			10:39																				
ZZZZZZ			10:41																				
ZZZZZZ			10:44																				
ZZZZZZ			10:46																				
ZZZZZZ			10:48																				
ZZZZZZ			10:51																				
ZZZZZZ			10:53																				
CCV 460-848940/49			10:55																				
CCB 460-848940/50			10:58																				
ZZZZZZ			11:00																				
ZZZZZZ			11:02																				
ZZZZZZ			11:05																				
ZZZZZZ			11:07																				
ZZZZZZ			11:09																				
ZZZZZZ			11:12																				
ZZZZZZ			11:14																				
ZZZZZZ			11:16																				
ZZZZZZ			11:18																				
ZZZZZZ			11:21																				
CCV 460-848940/61			11:23																				
CCB 460-848940/62			11:25																				
ZZZZZZ			11:28																				
ZZZZZZ			11:30																				
ZZZZZZ			11:32																				
ZZZZZZ			11:35																				
ZZZZZZ			11:37																				
ZZZZZZ			11:39																				
ZZZZZZ			11:42																				
ZZZZZZ			11:44																				
ZZZZZZ			11:46																				
ZZZZZZ			11:49																				
CCV 460-848940/73			11:51																				
CCB 460-848940/74			11:53																				
ZZZZZZ			11:56																				
ZZZZZZ			12:00																				
ZZZZZZ			12:03																				
ZZZZZZ			12:05																				
ZZZZZZ			12:07																				
ZZZZZZ			12:10																				
ZZZZZZ			12:12																				
ZZZZZZ			12:14																				
ZZZZZZ			12:16																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Instrument ID: ICPMS4 Method: 6020B

Start Date: 06/09/2022 08:50 End Date: 06/09/2022 14:15

Lab Sample ID	D / F	Type	Time	Analytes																			
				Pb																			
ZZZZZZ			12:19																				
CCV 460-848940/85			12:21																				
CCB 460-848940/86			12:23																				
ZZZZZZ			12:26																				
ZZZZZZ			12:28																				
ZZZZZZ			12:30																				
ZZZZZZ			12:32																				
ZZZZZZ			12:35																				
ZZZZZZ			12:37																				
ZZZZZZ			12:39																				
ZZZZZZ			12:42																				
ZZZZZZ			12:44																				
ZZZZZZ			12:46																				
CCV 460-848940/97			12:49																				
CCB 460-848940/98			12:51																				
ZZZZZZ			12:53																				
ZZZZZZ			12:55																				
ZZZZZZ			12:58																				
ZZZZZZ			13:00																				
ZZZZZZ			13:02																				
ZZZZZZ			13:05																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:13																				
ZZZZZZ			13:15																				
CCV 460-848940/109			13:17																				
CCB 460-848940/110			13:20																				
ZZZZZZ			13:22																				
ZZZZZZ			13:24																				
ZZZZZZ			13:26																				
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
ZZZZZZ			13:33																				
ZZZZZZ			13:36																				
ZZZZZZ			13:38																				
ZZZZZZ			13:40																				
ZZZZZZ			13:43																				
CCV 460-848940/121			13:45																				
CCB 460-848940/122			13:47																				
ZZZZZZ			13:49																				
ZZZZZZ			13:52																				
ZZZZZZ			13:54																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Instrument ID: ICPMS4 Method: 6020B

Start Date: 06/09/2022 08:50 End Date: 06/09/2022 14:15

Lab Sample ID	D / F	Type	Time	Analytes																			
				Pb																			
ZZZZZZ			13:56																				
ZZZZZZ			13:59																				
ZZZZZZ			14:01																				
ZZZZZZ			14:03																				
ZZZZZZ			14:05																				
ZZZZZZ			14:08																				
ZZZZZZ			14:10																				
CCV 460-848940/133			14:12																				
CCB 460-848940/134			14:15																				

Prep Types

P = TCLP

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.: Analysis Batch No.: 848940

ICP-MS Instrument ID: ICPMS4 Start Date: 06/09/2022 End Date: 06/09/2022

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/2	Q
IC 460-848940/1	08:50	100		100		100		100		100	
IC 460-848940/2	08:52	101		99		100		100		99	
IC 460-848940/3	08:54	100		101		102		100		100	
IC 460-848940/4	08:57	100		101		102		103		104	
IC 460-848940/5	08:59	100		102		99		100		105	
IC 460-848940/6	09:01	98		101		102		103		109	
ICV 460-848940/7	09:03	98		101		103		104		107	
ICB 460-848940/8	09:06	102		103		102		105		105	
ICSA 460-848940/10	09:10	97		100		99		99		113	
ICSAB 460-848940/11	09:13	96		98		99		99		112	
LRC 460-848940/12	09:15	96		97		95		93		102	
LRC 460-848940/13	09:17	91		92		93		92		98	
CCV 460-848940/14	09:26	99		98		98		97		103	
CCB 460-848940/15	09:29	100		99		98		98		99	
CCV 460-848940/26	10:02	101		101		100		99		106	
CCB 460-848940/27	10:05	102		100		100		101		104	
MB 460-848742/1-A	10:07	101		101		101		102		106	
LB 460-848570/1-D ^10	10:09	99		102		100		101		104	
LCS 460-848742/2-A ^10	10:14	99		101		101		102		103	
460-259478-1 PDS	10:16	99		98		98		99		104	
460-259478-1 MS	10:19	99		99		96		96		102	
460-259478-1 DU	10:21	98		96		94		96		100	
460-259478-1	10:23	98		96		93		94		100	
460-259478-1 SD	10:26	99		97		96		95		99	
CCV 460-848940/37	10:28	100		96		95		96		102	
CCB 460-848940/38	10:30	100		97		96		95		99	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.: Analysis Batch No.: 848940

ICP-MS Instrument ID: ICPMS4 Start Date: 06/09/2022 End Date: 06/09/2022

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q
IC 460-848940/1	08:50	100		100		100		100			
IC 460-848940/2	08:52	100		101		101		101			
IC 460-848940/3	08:54	99		102		101		101			
IC 460-848940/4	08:57	105		101		101		99			
IC 460-848940/5	08:59	104		99		99		97			
IC 460-848940/6	09:01	107		100		100		96			
ICV 460-848940/7	09:03	107		103		101		100			
ICB 460-848940/8	09:06	104		105		102		101			
ICSA 460-848940/10	09:10	113		96		97		92			
ICSAB 460-848940/11	09:13	116		96		99		94			
LRC 460-848940/12	09:15	101		95		96		99			
LRC 460-848940/13	09:17	98		89		94		88			
CCV 460-848940/14	09:26	103		96		98		96			
CCB 460-848940/15	09:29	98		98		98		98			
CCV 460-848940/26	10:02	108		100		100		97			
CCB 460-848940/27	10:05	106		101		99		100			
MB 460-848742/1-A	10:07	104		100		99		100			
LB 460-848570/1-D ^10	10:09	106		99		99		97			
LCS 460-848742/2-A ^10	10:14	105		100		99		98			
460-259478-1 PDS	10:16	104		95		98		96			
460-259478-1 MS	10:19	102		94		98		95			
460-259478-1 DU	10:21	102		93		96		95			
460-259478-1	10:23	100		93		96		94			
460-259478-1 SD	10:26	97		95		97		97			
CCV 460-848940/37	10:28	103		97		98		97			
CCB 460-848940/38	10:30	102		97		97		98			

US EPA Tune Check Report

Operator Name	ediicpms4
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\NM060922.b
Acq. Date-Time	2022-06-09 08:37:36
Report Comment	EPA TUNE REPORT
Instrument Name	G8421A SG18143095

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	1229	12294.42	0.00		0.939	5.000
24	10.00	5043	50429.24	0.00		0.458	5.000
25	10.00	682	6816.97	0.00		0.709	5.000
26	10.00	805	8049.62	0.00		0.838	5.000
59	10.00	8111	81109.41	0.00		0.646	5.000
115	10.00	11258	112579.46	0.00		0.761	5.000
206	10.00	2841	28410.34	0.00		0.861	5.000
207	10.00	2470	24698.88	0.00		0.508	5.000
208	10.00	6027	60274.91	0.00		0.816	5.000

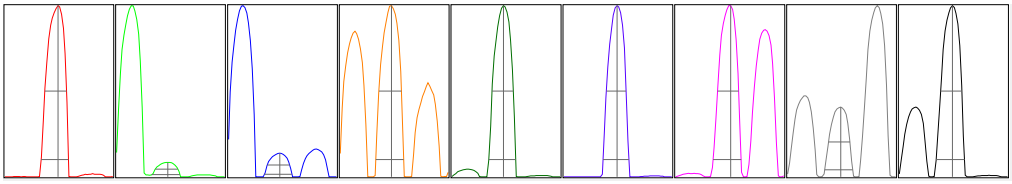
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	1209	1236	1230	1237	1234
24	5034	5045	5081	5035	5020
25	674	682	683	688	682
26	804	803	804	816	797
59	8066	8071	8129	8095	8193
115	11136	11208	11291	11352	11303
206	2817	2813	2863	2853	2861
207	2462	2455	2488	2469	2476
208	5965	5995	6070	6082	6025

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	2178.98	9.00	8.90 - 9.10	
24	8610.95	23.95	23.90 - 24.10	
25	1182.01	24.95	24.90 - 25.10	
26	1390.80	25.95	25.90 - 26.10	
59	14757.32	58.95	58.90 - 59.10	
115	21762.55	115.00	114.90 - 115.10	
206	5075.59	206.05	205.90 - 206.10	
207	4367.47	207.00	206.90 - 207.10	
208	10745.09	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.59	0.745	0.900	
24	0.61	0.766	0.900	
25	0.62	0.755	0.900	
26	0.62	0.766	0.900	
59	0.58	0.735	0.900	
115	0.54	0.708	0.900	
206	0.58	0.767	0.900	
207	0.59	0.764	0.900	
208	0.58	0.779	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	198.999999999998
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	HMI	Nebulizer Gas	0.60 L/min	Dilution Gas	0.36 L/min
RF Power	1600 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	10.8 V	Deflect	10.8 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-110 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V

US EPA Tune Check Report

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	129	Axis Gain	0.9942	QP Bias	-3.0 V
Mass Offset	124	Axis Offset	-0.01		

Hardware Settings

Torch

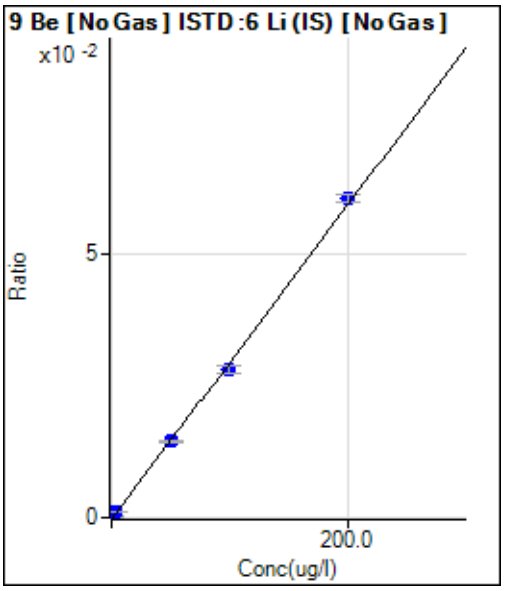
Torch H	1.3 mm	Torch V	-1.2 mm		

EM

Discriminator	3.5 mV	Analog HV	2181 V	Pulse HV	1293 V

Batch Folder: D:\Agilent\ICPMH\1\DATA\NM060922.b\
Analysis File: NM060922.batch.bin
DA Date-Time: 2022-06-09 09:30:17
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

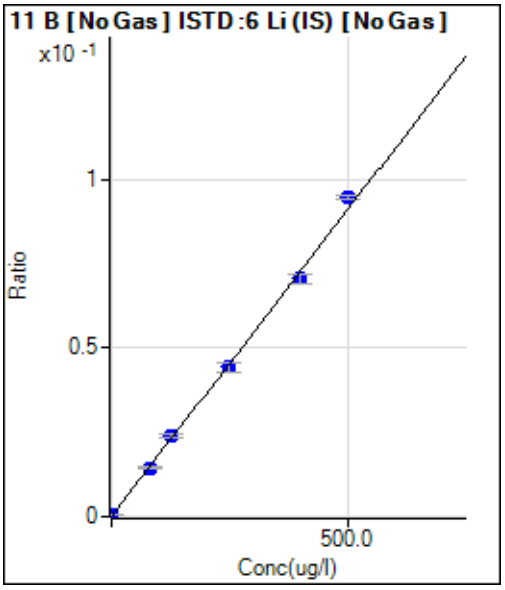
Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	IC CAL-Blk	2022-06-09 08:50:03
2	005CALS.d	IC CAL1 9803767	2022-06-09 08:52:23
3	006CALS.d	IC CAL2 9767631	2022-06-09 08:54:42
4	007CALS.d	IC CAL3 9767645	2022-06-09 08:57:01
5	008CALS.d	IC CAL4 9942612	2022-06-09 08:59:19
6	009CALS.d	IC CAL5 97676796	2022-06-09 09:01:36



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.22	0.0000	P	40.8	
2	☐	0.800	0.792	474.46	0.0002	P	2.9	-1.0
3	☐	4.000	4.068	2379.11	0.0012	P	6.0	1.7
4	☐	50.000	48.380	28101.44	0.0145	P	4.0	-3.2
5	☐	100.000	94.485	54773.98	0.0283	P	4.9	-5.5
6	☐	200.000	203.161	115611.74	0.0608	P	2.4	1.6

y = 2.9904E-004 * x + 6.2765E-006
R = 0.9994
DL = 0.02568 ug/l
BEC = 0.02099 ug/l

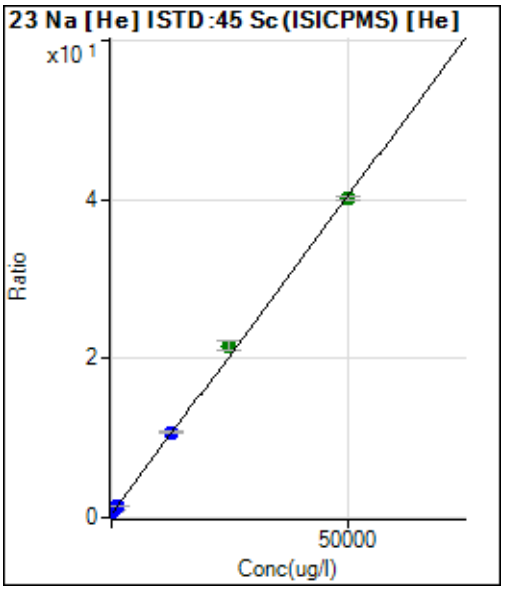
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1260.06	0.0006	P	3.4	
2	☐	80.000	75.546	28071.42	0.0144	P	3.7	-5.6
3	☐	400.000	384.540	137373.88	0.0706	P	3.7	-3.9
4	☐	125.000	128.217	46550.20	0.0240	P	2.6	2.6
5	☐	250.000	239.791	85798.18	0.0443	P	5.6	-4.1
6	☐	500.000	517.381	180339.39	0.0948	P	1.3	3.5

y = 1.8191E-004 * x + 6.4899E-004
R = 0.9984
DL = 0.3649 ug/l
BEC = 3.568 ug/l

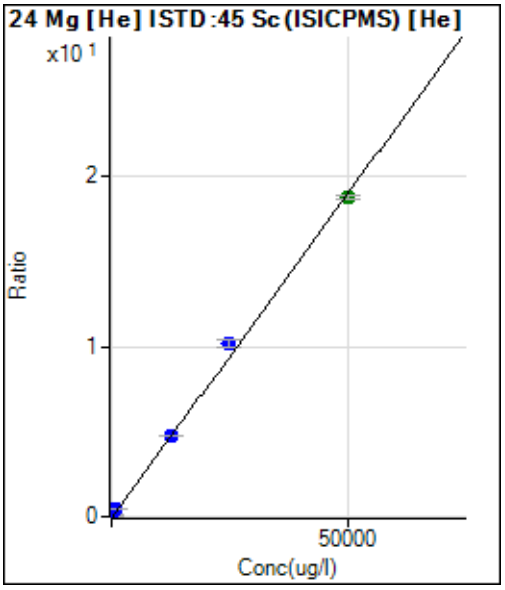
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	38078.23	0.6980	P	1.3	
2	☐	200.000	202.775	47076.59	0.8602	P	1.1	1.4
3	☐	1000.000	1061.413	84717.89	1.5469	P	1.1	6.1
4	☐	12500.00	12591.38	605492.01	10.767	P	1.5	0.7
5	☐	25000.00	26147.22	1177354.11	21.608	A	5.7	4.6
6	☐	50000.00	49402.30	2249503.11	40.205	A	1.6	-1.2

y = 7.9971E-004 * x + 0.6980
R = 0.9996
DL = 33.53 ug/l
BEC = 872.9 ug/l

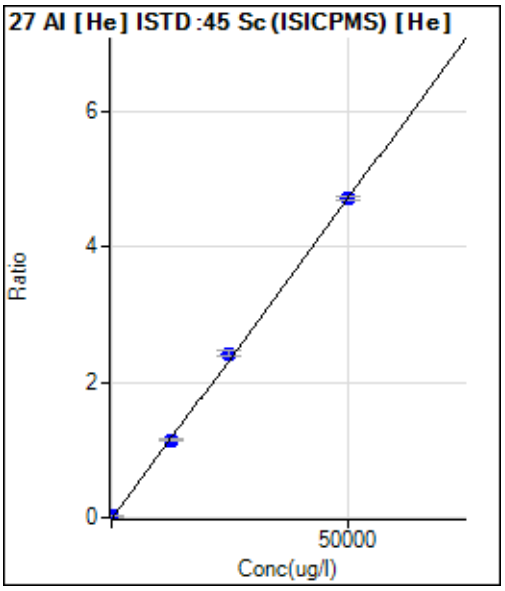
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	58.89	0.0011	P	18.0	
2	☐	200.000	207.787	4395.17	0.0803	P	2.1	3.9
3	☐	1000.000	1046.384	21911.77	0.4001	P	1.4	4.6
4	☐	12500.00	12492.33	267938.77	4.7646	P	1.1	-0.1
5	☐	25000.00	26603.75	552833.06	10.145	P	4.8	6.4
6	☐	50000.00	49199.08	1049777.20	18.761	A	1.1	-1.6

y = 3.8131E-004 * x + 0.0011
R = 0.9992
DL = 1.532 ug/l
BEC = 2.833 ug/l

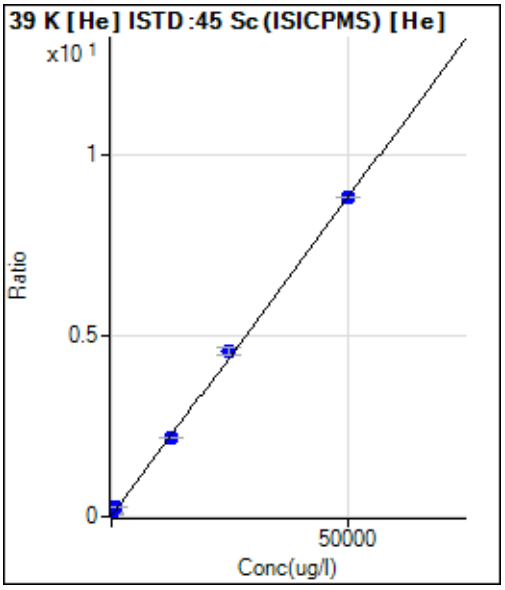
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18.89	0.0003	P	17.9	
2	☐	40.000	38.685	219.45	0.0040	P	8.8	-3.3
3	☐	200.000	198.627	1048.93	0.0192	P	7.1	-0.7
4	☐	12500.00	12052.79	64193.74	1.1417	P	2.7	-3.6
5	☐	25000.00	25622.16	132234.29	2.4267	P	4.0	2.5
6	☐	50000.00	49800.72	263874.40	4.7163	P	1.8	-0.4

y = 9.4696E-005 * x + 3.4601E-004
R = 0.9998
DL = 1.964 ug/l
BEC = 3.654 ug/l

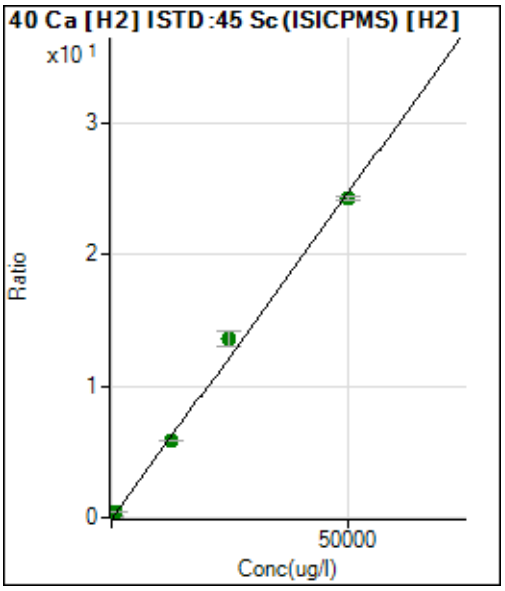
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3763.87	0.0690	P	4.2	
2	☐	200.000	198.914	5687.87	0.1039	P	3.8	-0.5
3	☐	1000.000	1012.563	13527.77	0.2470	P	1.3	1.3
4	☐	12500.00	12054.10	123053.84	2.1883	P	1.4	-3.6
5	☐	25000.00	25640.61	249415.19	4.5770	P	3.8	2.6
6	☐	50000.00	49790.92	493699.93	8.8231	P	0.2	-0.4

y = 1.7582E-004 * x + 0.0690
R = 0.9998
DL = 49.44 ug/l
BEC = 392.2 ug/l

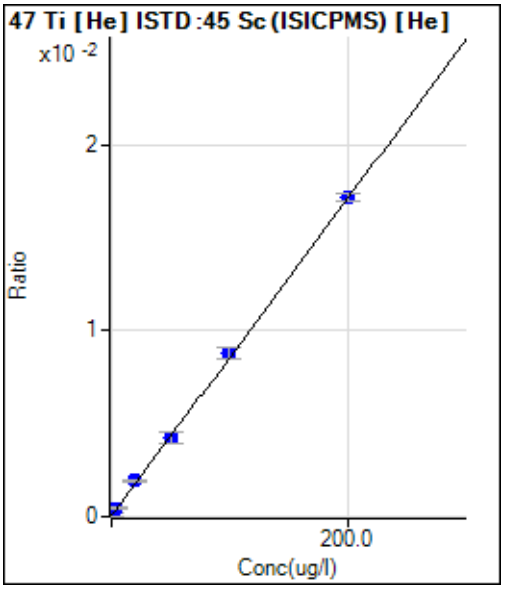
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	26315.05	0.0141	P	1.9	
2	☐	200.000	209.923	219588.50	0.1180	P	2.8	5.0
3	☐	1000.000	984.732	953373.59	0.5015	A	0.9	-1.5
4	☐	12500.00	11844.49	11105560.67	5.8766	A	0.2	-5.2
5	☐	25000.00	27393.77	24943387.96	13.572	A	8.7	9.6
6	☐	50000.00	48967.25	46212183.76	24.250	A	1.1	-2.1

y = 4.9495E-004 * x + 0.0141
R = 0.9982
DL = 1.629 ug/l
BEC = 28.57 ug/l

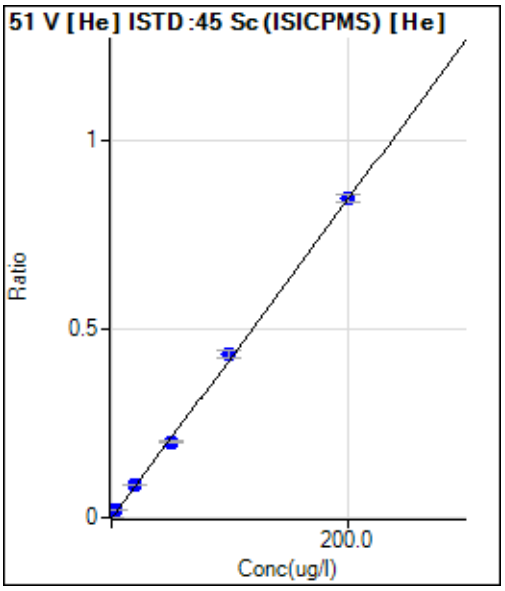
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7.67	0.0001	P	138.	
2	☐	4.000	3.366	23.33	0.0004	P	25.6	-15.8
3	☐	20.000	21.106	106.34	0.0019	P	3.9	5.5
4	☐	50.000	48.124	238.69	0.0042	P	13.3	-3.8
5	☐	100.000	101.500	479.72	0.0088	P	7.4	1.5
6	☐	200.000	199.621	961.46	0.0172	P	2.1	-0.2

y = 8.5393E-005 * x + 1.3866E-004
R = 0.9999
DL = 6.759 ug/l
BEC = 1.624 ug/l

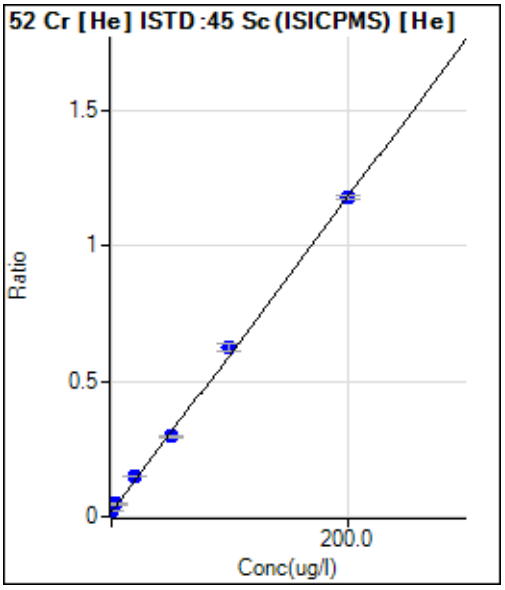
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.89	0.0018	P	21.8	
2	☐	4.000	4.088	1044.49	0.0191	P	11.2	2.2
3	☐	20.000	20.223	4778.64	0.0873	P	4.3	1.1
4	☐	50.000	47.093	11290.28	0.2008	P	3.6	-5.8
5	☐	100.000	101.925	23566.48	0.4325	P	5.4	1.9
6	☐	200.000	199.740	47324.75	0.8458	P	2.1	-0.1

y = 0.0042 * x + 0.0018
R = 0.9998
DL = 0.2799 ug/l
BEC = 0.4284 ug/l

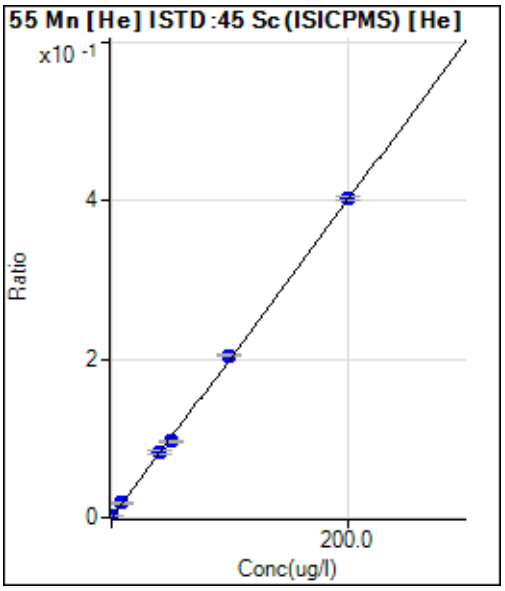
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1278.96	0.0234	P	0.5	
2	☐	4.000	4.056	2574.70	0.0471	P	7.3	1.4
3	☐	20.000	21.443	8119.11	0.1483	P	2.1	7.2
4	☐	50.000	47.127	16741.41	0.2978	P	2.6	-5.7
5	☐	100.000	103.630	34145.83	0.6266	P	4.2	3.6
6	☐	200.000	198.758	66043.95	1.1803	P	1.5	-0.6

y = 0.0058 * x + 0.0234
R = 0.9996
DL = 0.05903 ug/l
BEC = 4.028 ug/l

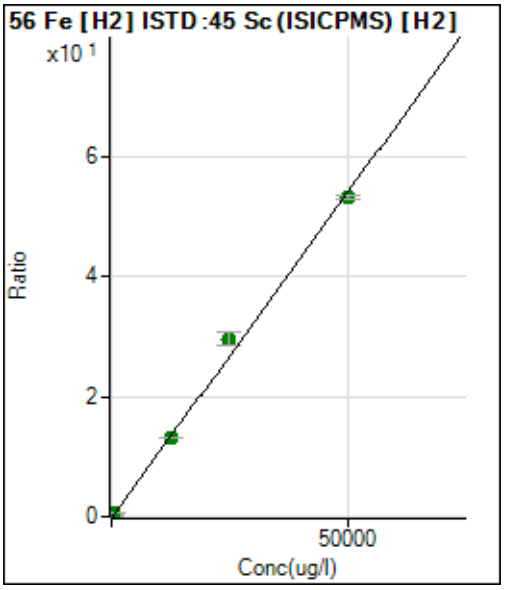
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	91.11	0.0017	P	20.7	
2	☐	8.000	8.330	1006.71	0.0184	P	5.0	4.1
3	☐	40.000	40.097	4498.55	0.0822	P	4.6	0.2
4	☐	50.000	47.255	5430.01	0.0965	P	3.5	-5.5
5	☐	100.000	101.331	11178.11	0.2051	P	1.7	1.3
6	☐	200.000	199.988	22557.55	0.4032	P	1.2	0.0

y = 0.0020 * x + 0.0017
R = 0.9998
DL = 0.5174 ug/l
BEC = 0.8324 ug/l

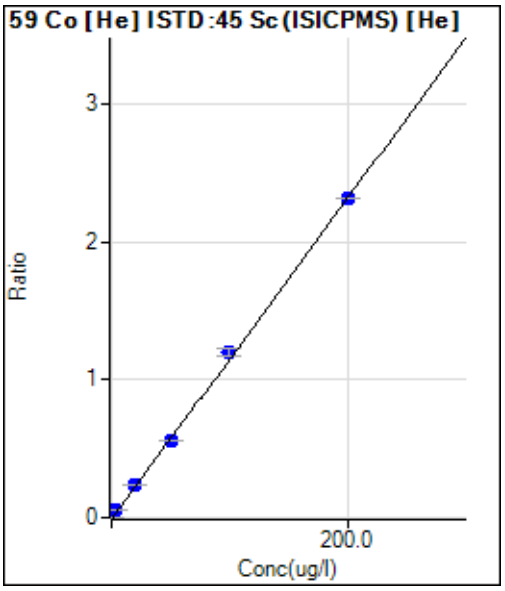
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	46046.04	0.0247	P	1.1	
2	☐	120.000	133.080	314614.36	0.1691	P	1.9	10.9
3	☐	600.000	611.086	1307390.42	0.6877	A	1.2	1.8
4	☐	12500.00	11965.57	24579251.86	13.006	A	0.4	-4.3
5	☐	25000.00	27286.70	54446825.30	29.627	A	8.4	9.1
6	☐	50000.00	48990.09	101330326.2	53.173	A	1.0	-2.0

y = 0.0011 * x + 0.0247
R = 0.9984
DL = 0.7725 ug/l
BEC = 22.81 ug/l

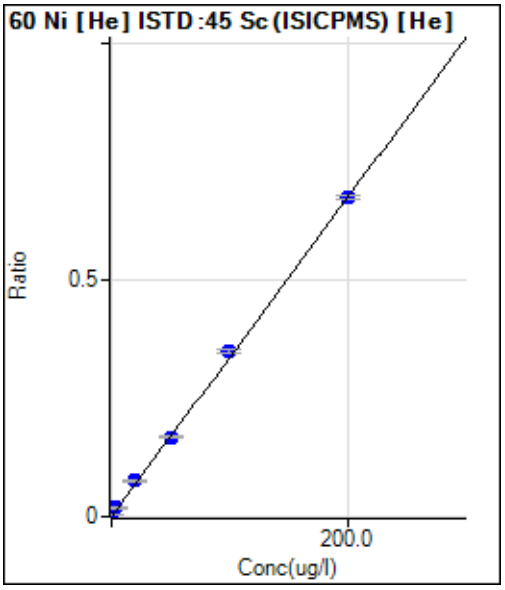
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.33	0.0002	P	23.8	
2	☐	4.000	4.233	2709.18	0.0495	P	2.1	5.8
3	☐	20.000	20.825	13286.51	0.2426	P	0.4	4.1
4	☐	50.000	48.032	31445.20	0.5592	P	1.4	-3.9
5	☐	100.000	103.142	65419.69	1.2005	P	4.2	3.1
6	☐	200.000	198.834	129478.50	2.3140	P	0.3	-0.6

y = 0.0116 * x + 2.4398E-004
R = 0.9997
DL = 0.015 ug/l
BEC = 0.02097 ug/l

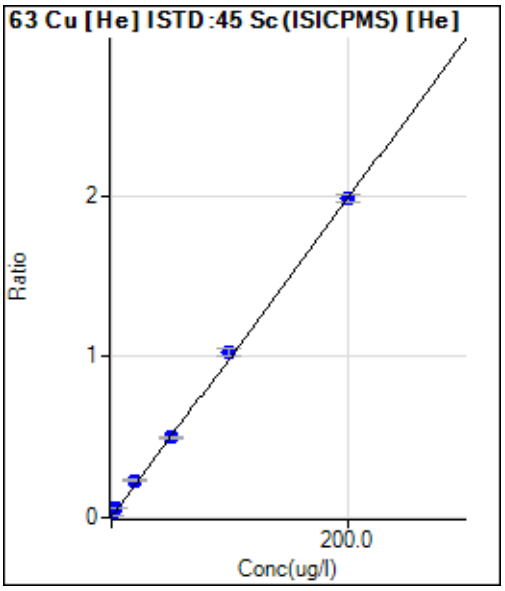
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	233.34	0.0043	P	22.6	
2	☐	4.000	4.265	1020.05	0.0186	P	6.6	6.6
3	☐	20.000	21.136	4131.76	0.0754	P	3.7	5.7
4	☐	50.000	48.610	9442.22	0.1679	P	1.6	-2.8
5	☐	100.000	102.441	19025.97	0.3491	P	2.9	2.4
6	☐	200.000	199.008	37722.01	0.6742	P	1.2	-0.5

y = 0.0034 * x + 0.0043
R = 0.9998
DL = 0.8631 ug/l
BEC = 1.273 ug/l

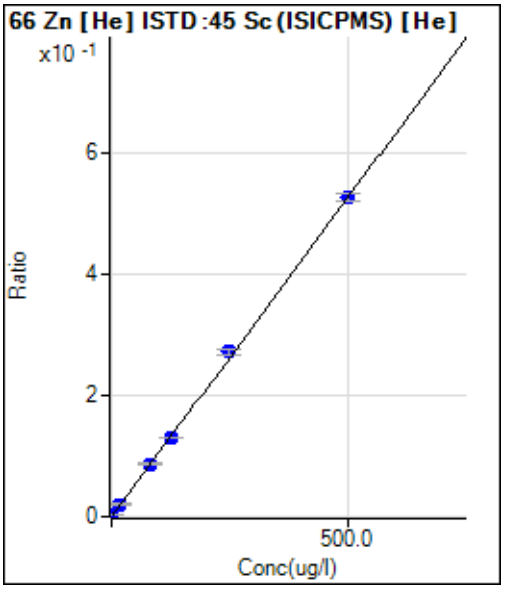
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	763.36	0.0140	P	1.9	
2	☐	4.000	4.376	3135.94	0.0573	P	4.6	9.4
3	☐	20.000	22.020	12703.77	0.2320	P	1.5	10.1
4	☐	50.000	48.930	28021.09	0.4983	P	1.7	-2.1
5	☐	100.000	102.184	55877.37	1.0254	P	4.4	2.2
6	☐	200.000	198.966	110969.71	1.9834	P	2.6	-0.5

y = 0.0099 * x + 0.0140
R = 0.9998
DL = 0.08234 ug/l
BEC = 1.413 ug/l

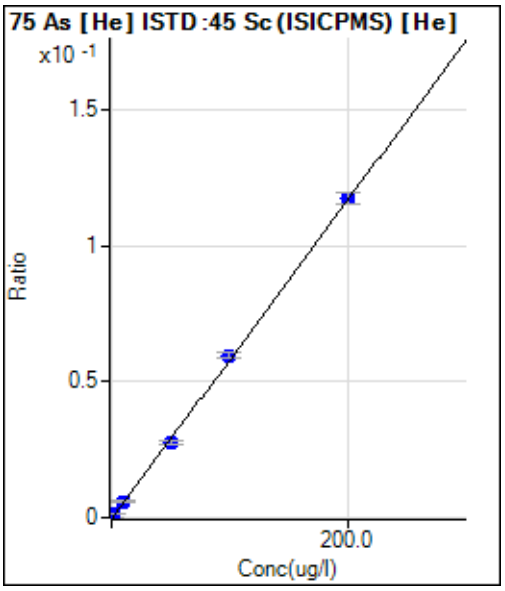
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	140.00	0.0026	P	17.8	
2	☐	16.000	16.832	1108.94	0.0203	P	9.0	5.2
3	☐	80.000	80.219	4758.65	0.0869	P	4.4	0.3
4	☐	125.000	121.558	7332.02	0.1304	P	1.3	-2.8
5	☐	250.000	255.425	14777.29	0.2711	P	3.0	2.2
6	☐	500.000	498.086	29443.01	0.5263	P	2.5	-0.4

y = 0.0011 * x + 0.0026
R = 0.9999
DL = 1.308 ug/l
BEC = 2.444 ug/l

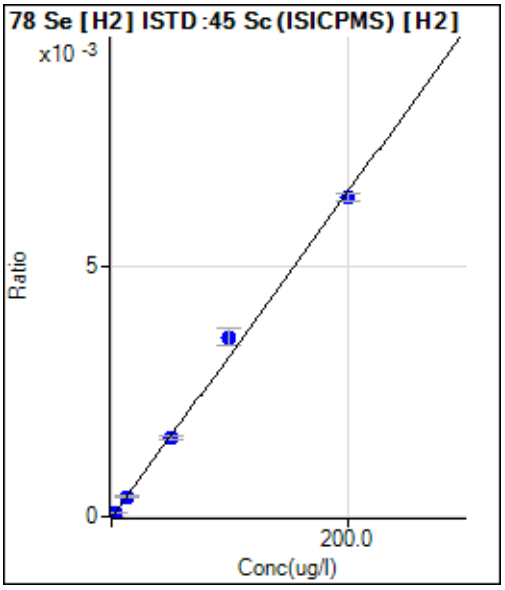
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.11	0.0001	P	32.6	
2	☐	2.000	1.813	64.44	0.0012	P	18.5	-9.3
3	☐	10.000	9.983	327.78	0.0060	P	8.7	-0.2
4	☐	50.000	47.092	1562.32	0.0278	P	5.1	-5.8
5	☐	100.000	101.268	3249.86	0.0596	P	3.7	1.3
6	☐	200.000	200.096	6586.06	0.1177	P	3.2	0.0

y = 5.8778E-004 * x + 1.1224E-004
R = 0.9999
DL = 0.1865 ug/l
BEC = 0.191 ug/l

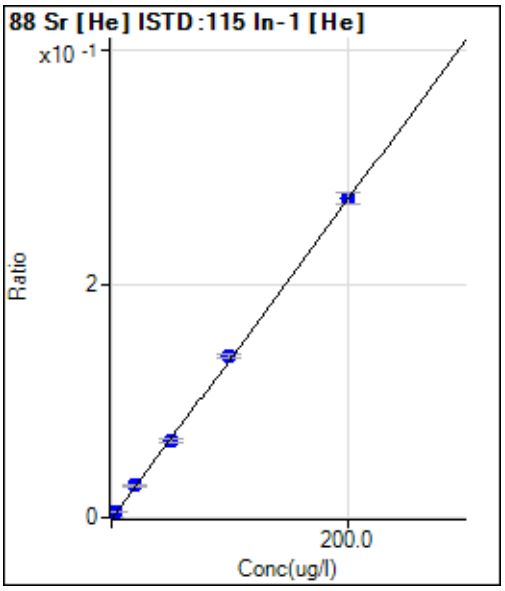
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	21.11	0.0000	P	39.5	
2	☐	2.500	2.364	164.45	0.0001	P	2.8	-5.4
3	☐	12.500	11.975	763.36	0.0004	P	3.1	-4.2
4	☐	50.000	48.042	2980.35	0.0016	P	2.9	-3.9
5	☐	100.000	109.676	6590.57	0.0036	P	9.9	9.7
6	☐	200.000	195.686	12173.32	0.0064	P	2.2	-2.2

y = 3.2591E-005 * x + 1.1345E-005
R = 0.9981
DL = 0.413 ug/l
BEC = 0.3481 ug/l

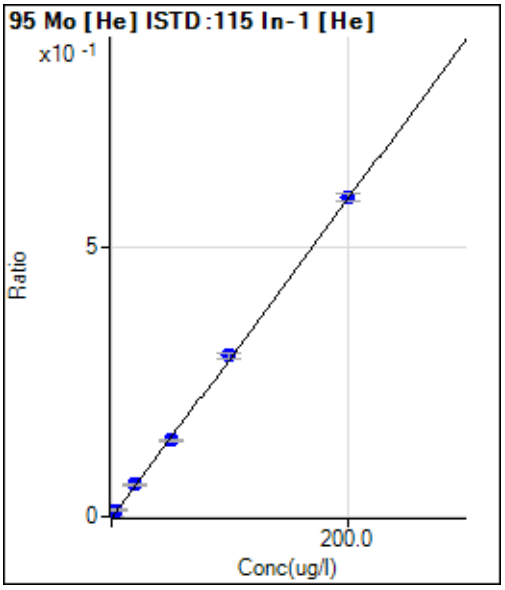
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7.78	0.0001	P	65.6	
2	☐	4.000	3.822	378.90	0.0053	P	8.0	-4.4
3	☐	20.000	20.257	1984.61	0.0278	P	5.3	1.3
4	☐	50.000	47.752	4620.83	0.0654	P	4.8	-4.5
5	☐	100.000	101.373	9641.44	0.1388	P	2.5	1.4
6	☐	200.000	199.853	19168.22	0.2735	P	3.7	-0.1

y = 0.0014 * x + 1.1069E-004
R = 0.9999
DL = 0.1593 ug/l
BEC = 0.08092 ug/l

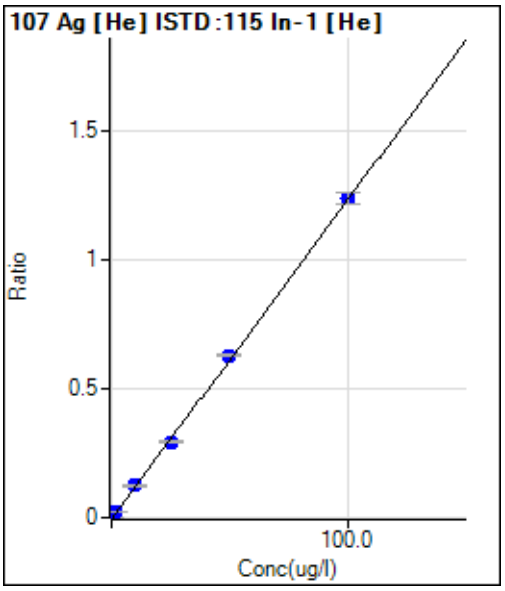
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.22	0.0002	P	31.7	
2	☐	4.000	4.076	871.15	0.0123	P	6.2	1.9
3	☐	20.000	20.017	4255.15	0.0597	P	3.1	0.1
4	☐	50.000	47.955	10070.54	0.1427	P	2.6	-4.1
5	☐	100.000	100.702	20800.15	0.2994	P	2.6	0.7
6	☐	200.000	200.157	41702.86	0.5949	P	2.3	0.1

y = 0.0030 * x + 1.7404E-004
R = 0.9999
DL = 0.05564 ug/l
BEC = 0.05857 ug/l

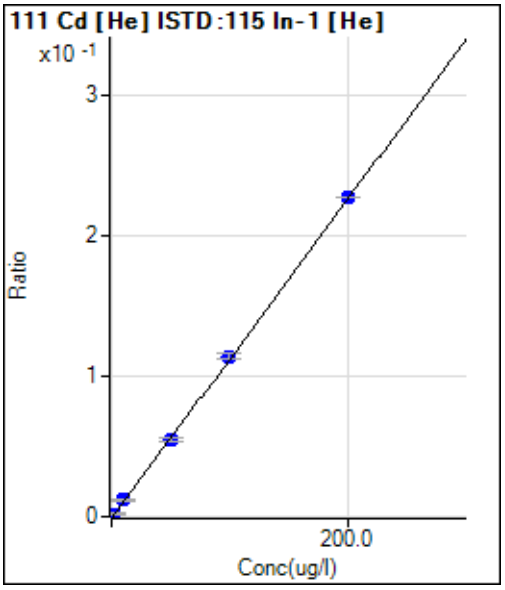
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	27.78	0.0004	P	25.3	
2	☐	2.000	1.965	1756.79	0.0248	P	1.4	-1.7
3	☐	10.000	9.947	8828.54	0.1238	P	2.2	-0.5
4	☐	25.000	23.679	20764.14	0.2941	P	1.7	-5.3
5	☐	50.000	50.731	43740.71	0.6296	P	1.6	1.5
6	☐	100.000	99.970	86941.08	1.2403	P	3.1	0.0

y = 0.0124 * x + 3.9566E-004
R = 0.9999
DL = 0.02425 ug/l
BEC = 0.0319 ug/l

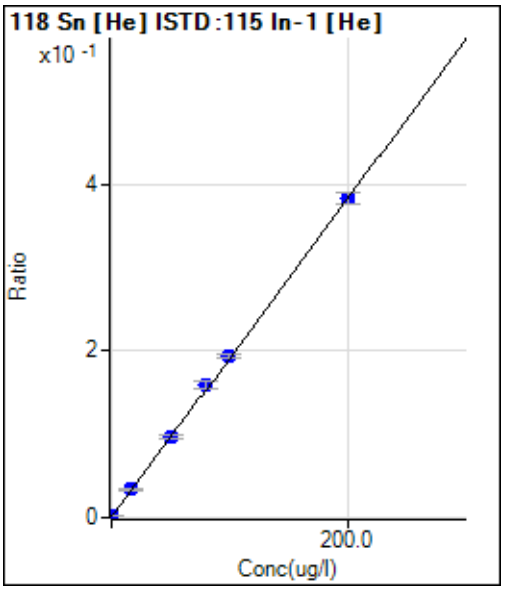
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	1.775	143.34	0.0020	P	24.5	-11.3
3	☐	10.000	10.600	860.04	0.0121	P	9.5	6.0
4	☐	50.000	48.004	3853.93	0.0546	P	4.7	-4.0
5	☐	100.000	100.650	7953.63	0.1145	P	4.3	0.7
6	☐	200.000	200.146	15964.19	0.2277	P	0.2	0.1

y = 0.0011 * x + 0.0000E+000
R = 0.9999
DL = 0 ug/l
BEC = 0 ug/l

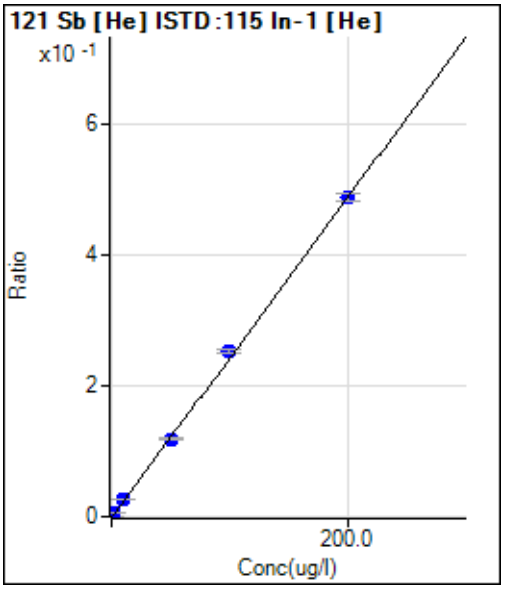
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	186.67	0.0027	P	10.0	
2	☐	16.000	16.231	2392.46	0.0337	P	1.8	1.4
3	☐	80.000	82.283	11426.17	0.1602	P	5.3	2.9
4	☐	50.000	49.536	6882.96	0.0975	P	4.5	-0.9
5	☐	100.000	100.217	13512.75	0.1945	P	2.8	0.2
6	☐	200.000	199.076	26897.55	0.3837	P	3.2	-0.5

y = 0.0019 * x + 0.0027
R = 0.9999
DL = 0.4147 ug/l
BEC = 1.388 ug/l

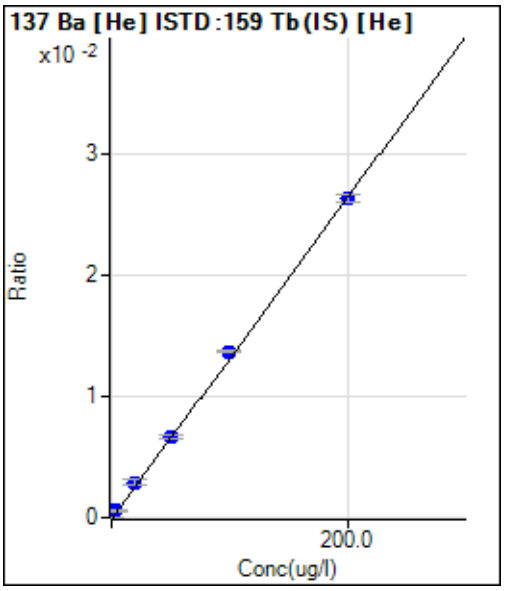
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	41.11	0.0006	P	19.7	
2	☐	2.000	2.168	417.79	0.0059	P	7.3	8.4
3	☐	10.000	10.491	1871.81	0.0262	P	2.8	4.9
4	☐	50.000	48.256	8372.13	0.1186	P	2.4	-3.5
5	☐	100.000	102.680	17485.83	0.2517	P	2.5	2.7
6	☐	200.000	199.070	34166.50	0.4874	P	2.7	-0.5

y = 0.0024 * x + 5.8497E-004
R = 0.9998
DL = 0.1415 ug/l
BEC = 0.2392 ug/l

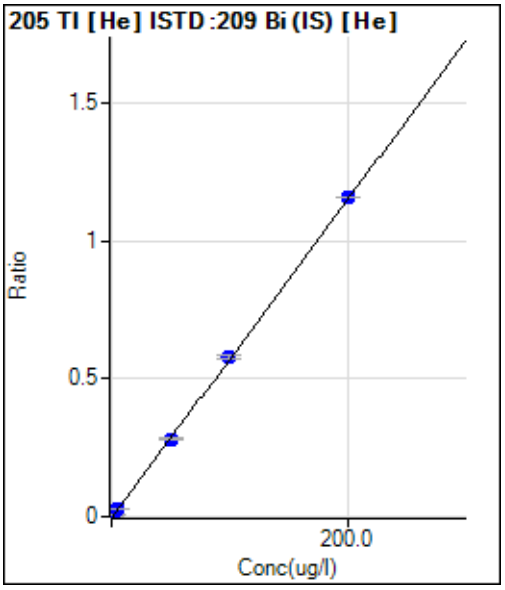
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.34	0.0000	P	173.	
2	☐	4.000	4.142	210.22	0.0006	P	16.2	3.5
3	☐	20.000	21.709	1087.82	0.0029	P	16.6	8.5
4	☐	50.000	50.074	2499.47	0.0067	P	3.5	0.1
5	☐	100.000	102.954	5042.85	0.0137	P	1.1	3.0
6	☐	200.000	198.331	9813.72	0.0264	P	2.1	-0.8

y = 1.3286E-004 * x + 8.9492E-006
R = 0.9998
DL = 0.35 ug/l
BEC = 0.06736 ug/l

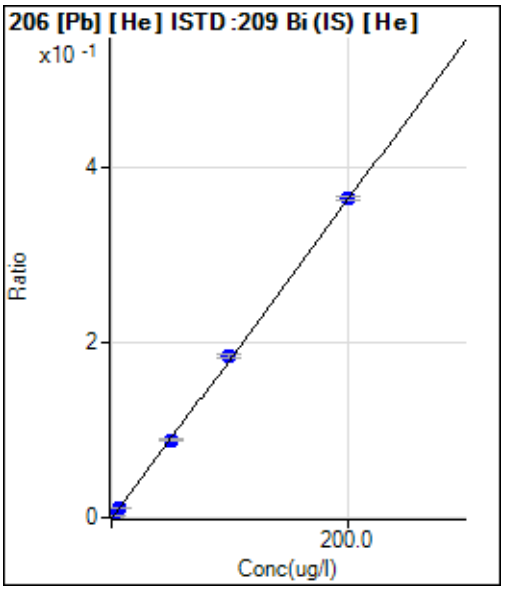
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	411.12	0.0015	P	5.8	
2	☐	0.800	0.762	1671.24	0.0059	P	8.5	-4.7
3	☐	4.000	4.027	7088.71	0.0247	P	0.6	0.7
4	☐	50.000	48.645	78791.41	0.2826	P	1.0	-2.7
5	☐	100.000	99.963	158664.72	0.5791	P	2.4	0.0
6	☐	200.000	200.357	314529.68	1.1593	P	0.4	0.2

y = 0.0058 * x + 0.0015
R = 1.0000
DL = 0.0437 ug/l
BEC = 0.2513 ug/l

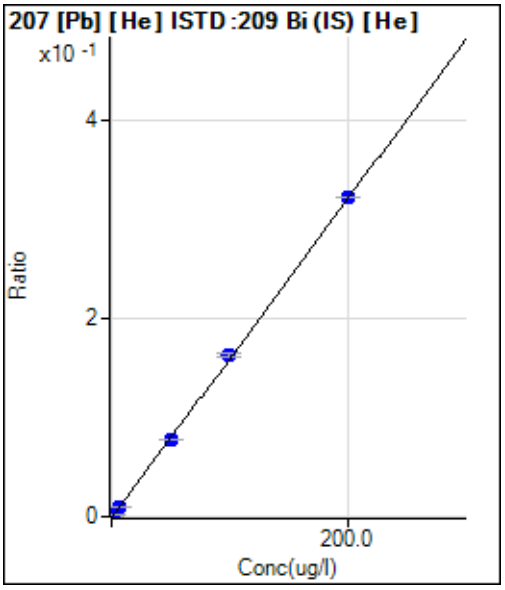
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	121.11	0.0004	P	16.4	
2	☐	1.200	1.188	740.03	0.0026	P	2.7	-1.0
3	☐	6.000	6.066	3291.57	0.0115	P	5.9	1.1
4	☐	50.000	48.502	24757.92	0.0888	P	1.8	-3.0
5	☐	100.000	100.966	50511.30	0.1844	P	3.2	1.0
6	☐	200.000	199.890	98919.95	0.3646	P	1.0	-0.1

y = 0.0018 * x + 4.2789E-004
R = 1.0000
DL = 0.1153 ug/l
BEC = 0.2349 ug/l

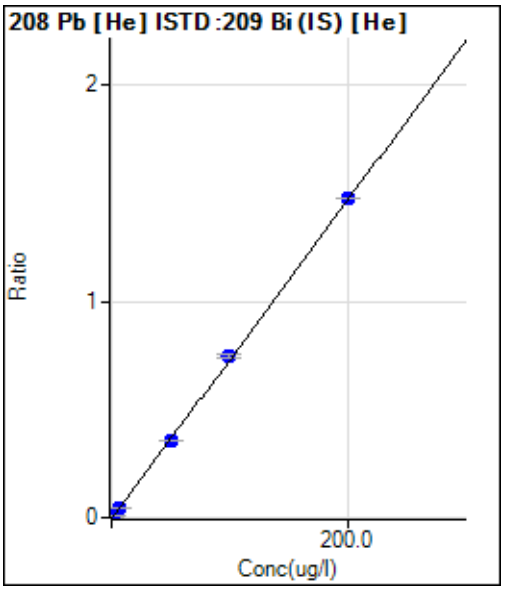
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	88.89	0.0003	P	30.9	
2	☐	1.200	1.161	622.25	0.0022	P	11.9	-3.2
3	☐	6.000	5.866	2793.67	0.0097	P	6.1	-2.2
4	☐	50.000	48.016	21607.68	0.0775	P	1.4	-4.0
5	☐	100.000	101.054	44585.87	0.1627	P	1.7	1.1
6	☐	200.000	199.973	87285.77	0.3217	P	0.4	0.0

y = 0.0016 * x + 3.1415E-004
R = 0.9999
DL = 0.1811 ug/l
BEC = 0.1955 ug/l

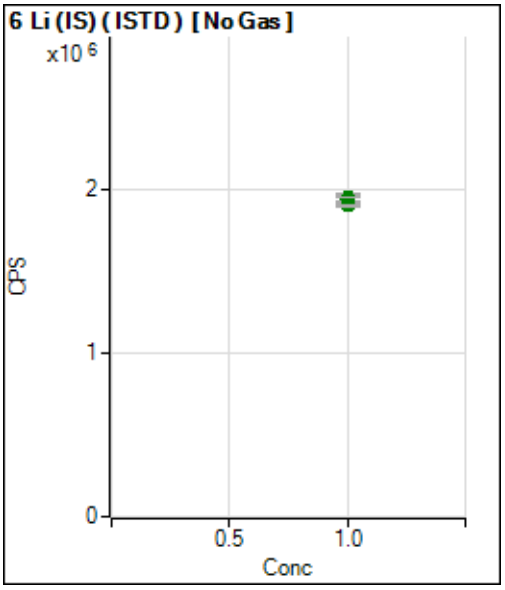
Weight: <None>
Min Conc: <None>



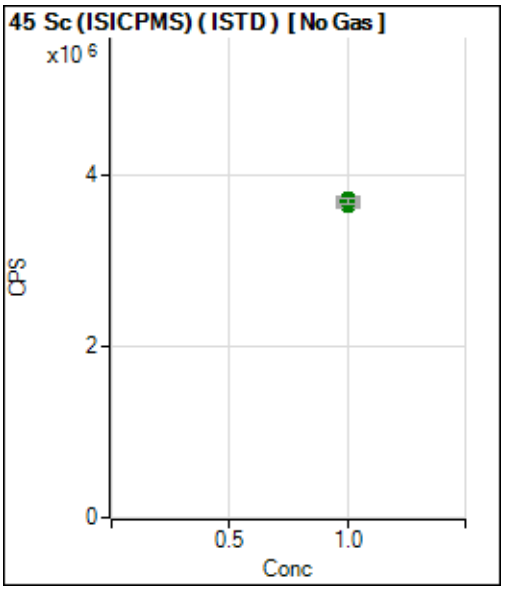
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	445.56	0.0016	P	14.7	
2	☐	1.200	1.190	2954.62	0.0104	P	4.8	-0.8
3	☐	6.000	6.018	13177.30	0.0460	P	2.3	0.3
4	☐	50.000	48.128	99408.13	0.3565	P	1.0	-3.7
5	☐	100.000	100.694	203878.79	0.7442	P	2.3	0.7
6	☐	200.000	200.120	400835.36	1.4774	P	0.6	0.1

y = 0.0074 * x + 0.0016
R = 0.9999
DL = 0.09417 ug/l
BEC = 0.2135 ug/l

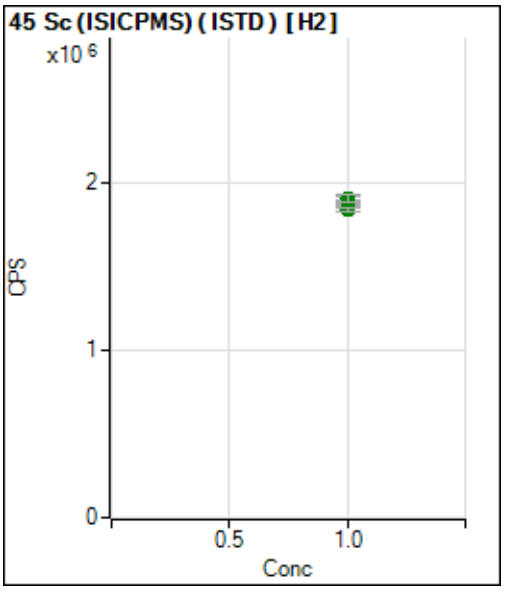
Weight: <None>
Min Conc: <None>



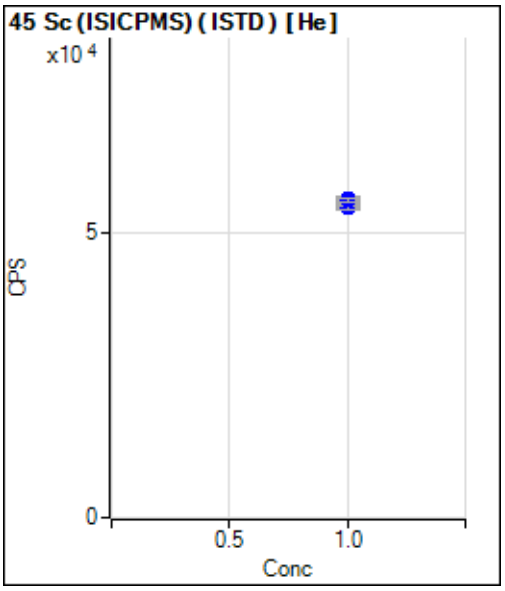
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1941046.15		A	1.3	
2	☐	1.000		1951541.97		A	2.5	
3	☐	1.000		1946400.41		A	1.4	
4	☐	1.000		1942338.20		A	3.3	
5	☐	1.000		1938334.50		A	1.7	
6	☐	1.000		1902971.00		A	0.8	



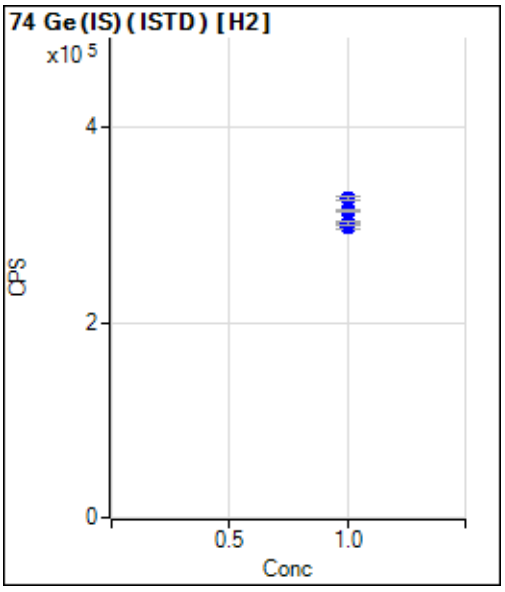
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3681519.20		A	1.5	
2	☐	1.000		3644561.15		A	0.6	
3	☐	1.000		3716646.10		A	1.0	
4	☐	1.000		3700559.62		A	1.3	
5	☐	1.000		3735666.47		A	0.9	
6	☐	1.000		3704609.64		A	1.7	



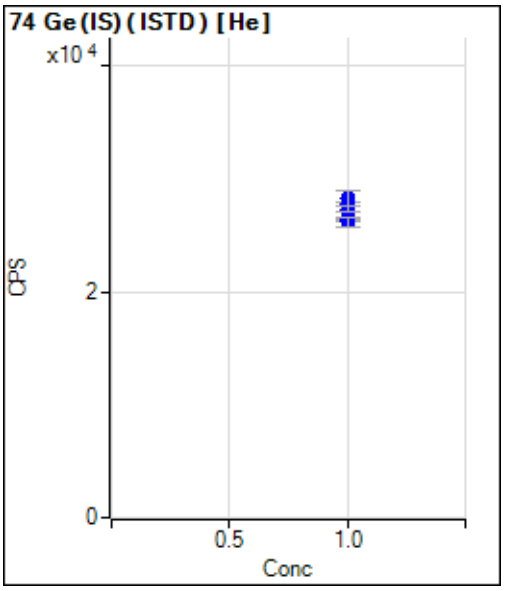
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1860834.25		A	1.0	
2	☐	1.000		1860246.20		A	0.3	
3	☐	1.000		1900966.05		A	1.3	
4	☐	1.000		1889785.65		A	0.9	
5	☐	1.000		1836214.50		A	1.5	
6	☐	1.000		1905943.08		A	2.2	



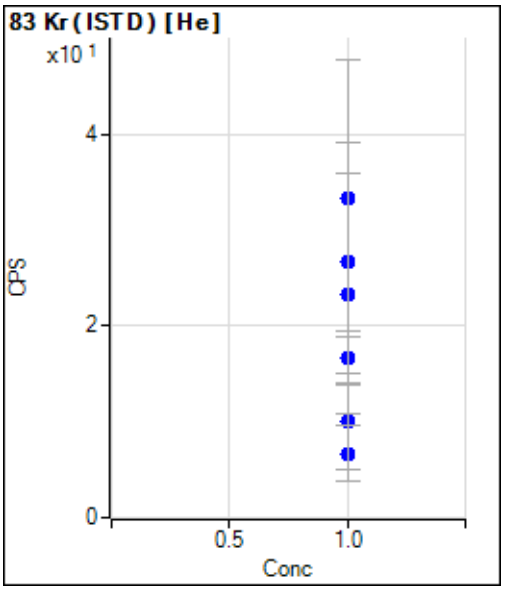
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		54556.37		P	1.5	
2	☐	1.000		54726.90		P	0.4	
3	☐	1.000		54771.65		P	1.4	
4	☐	1.000		56240.78		P	1.5	
5	☐	1.000		54509.41		P	1.2	
6	☐	1.000		55955.24		P	0.9	



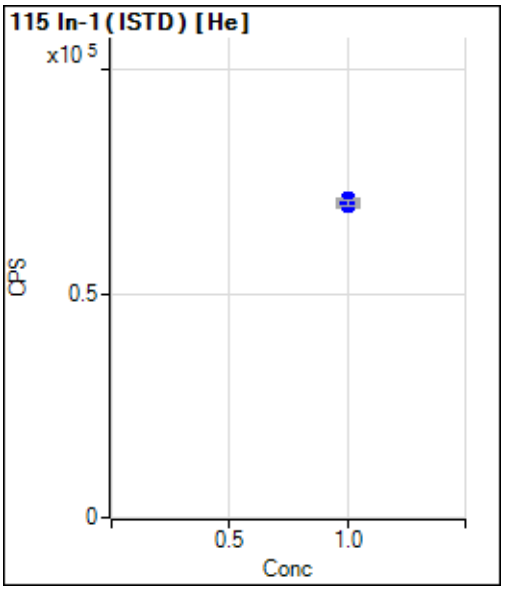
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		301154.95		P	0.9	
2	☐	1.000		297306.33		P	1.1	
3	☐	1.000		302336.30		P	1.2	
4	☐	1.000		313766.14		P	0.4	
5	☐	1.000		314928.19		P	0.7	
6	☐	1.000		327353.08		P	1.4	



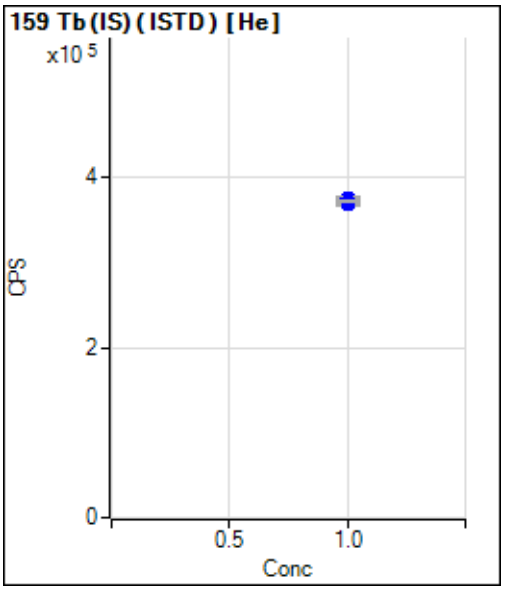
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		26335.55		P	0.9	
2	☐	1.000		26422.45		P	1.0	
3	☐	1.000		26165.15		P	3.2	
4	☐	1.000		27683.03		P	1.3	
5	☐	1.000		27301.86		P	1.9	
6	☐	1.000		28261.48		P	4.8	



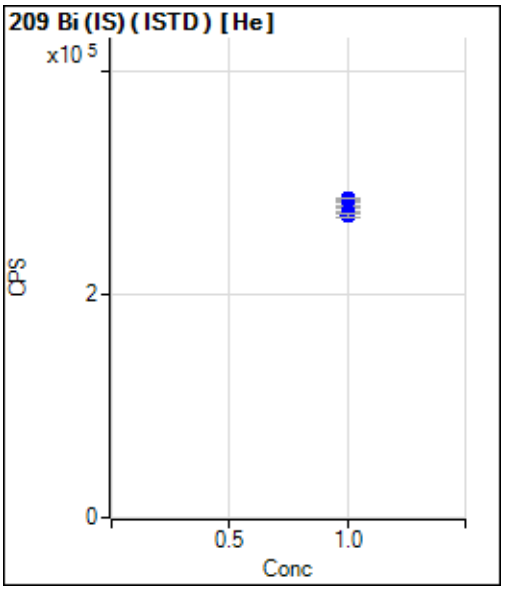
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		33.37		P	86.6	
2	☐	1.000		26.69		P	94.4	
3	☐	1.000		23.36		P	107.	
4	☐	1.000		16.68		P	34.6	
5	☐	1.000		10.01		P	100.	
6	☐	1.000		6.67		P	86.6	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		70254.11		P	0.4	
2	☐	1.000		70929.21		P	1.2	
3	☐	1.000		71331.07		P	0.3	
4	☐	1.000		70608.36		P	1.5	
5	☐	1.000		69469.36		P	0.5	
6	☐	1.000		70120.54		P	1.9	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		372475.36		P	0.6	
2	☐	1.000		375791.03		P	0.4	
3	☐	1.000		375528.01		P	1.1	
4	☐	1.000		375197.25		P	1.0	
5	☐	1.000		368437.19		P	0.5	
6	☐	1.000		372305.37		P	0.1	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		283122.10		P	0.5	
2	☐	1.000		285468.78		P	0.5	
3	☐	1.000		286725.68		P	0.5	
4	☐	1.000		278843.22		P	0.6	
5	☐	1.000		273990.36		P	0.7	
6	☐	1.000		271307.11		P	0.8	

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Batch Number: 848570 Batch Start Date: 06/07/22 15:00 Batch Analyst: Gao, Yong X

Batch Method: 1311 Batch End Date: 06/08/22 07:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	VesselNumber	FiltCompDate
LB 460-848570/1		1311, 3010A, 6020B		100.00 g	2000 mL	4.92 SU		7	6/8/22
460-259478-A-1	RX-4 (0.5-2.5)	1311, 3010A, 6020B	P	100.02 g	2000 mL	9.25 SU	1.51	1	6/8/22

Lab Sample ID	Client Sample ID	Method Chain	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
LB 460-848570/1		1311, 3010A, 6020B		0700	4.92 SU	TF1053122	TCLP fluid #1; prep. on 5/31/22; exp. on 11/31/22; pH measured on 6/8/22		
460-259478-A-1	RX-4 (0.5-2.5)	1311, 3010A, 6020B	P	0745	5.26 SU	TF1053122	TCLP fluid #1; prep. on 5/31/22; exp. on 11/31/22; pH measured on 6/8/22		

Batch Notes	
Thermometer ID	Min/Max S/NC 187675
Room Temperature Thermometer ID	Ambient ID S72864 Temp 20.7
TCLP Fluid 1 ID	TF1053122 prep on 5-31-22 exp 11/31/22
TCLP Fluid 1 pH	4.92
1N HCl ID	1NHCl TCLP3009 exp on 11/22/22
Filter ID	Enviromental express / 400190 - 1305 - T
Uncorrected Maximum Temperature	21.0 Degrees C
Maximum Temperature	21.0 Degrees C
Uncorrected Minimum Temperature	20.6 Degrees C
Minimum Temperature	20.6 Degrees C

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-259478-1

SDG No.:

Batch Number: 848742 Batch Start Date: 06/08/22 11:40 Batch Analyst: Cruz, Samuel X

Batch Method: 3010A Batch End Date: 06/08/22 16:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_TCLPspk 00052			
MB 460-848742/1		3010A, 6020B		50 mL	50 mL				
LCS 460-848742/2		3010A, 6020B		50 mL	50 mL	0.5 mL			
460-259478-A-1-A	RX-4 (0.5-2.5)	3010A, 6020B	P	50 mL	50 mL				
460-259478-A-1-A DU	RX-4 (0.5-2.5)	3010A, 6020B	P	50 mL	50 mL				
460-259478-A-1-A MS	RX-4 (0.5-2.5)	3010A, 6020B	P	50 mL	50 mL	0.5 mL			
LB 460-848570/1-A		3010A, 6020B		50 mL	50 mL				

Batch Notes	
Digestion Tube/Cup ID	Lot # 2106023-1299-IW (Env. Exp. 100 ml Dg Cups)
Pipette/Syringe/Dispenser ID	#4
Analyst ID - Spike Analyst	SC
Nitric Acid ID	0000261535
Digestion Unit ID	#9
Thermometer ID	Metals 10 (CF -0)
Temperature - Uncorrected - Start	90 uncorr Degrees C
Temperature - Corrected - Start	92 corr Degrees C
Digestion Start Time	06/08/2022 11:40
Digestion End Time	06/08/2022 13:40
Temperature - Uncorrected - End	88 uncorr Degrees C
Temperature - Corrected - End	90 corr Degrees C
Batch Comment	1:1 HCL MPR 393

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

NYC 222

Chain of Custody Record

612009

eurofins | Environment Testing America

259478

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Valerie Sabatasso	Site Contact: Jack Rush	Date: 6/6/22	COC No:
Company Name: Roux	Tel/Email:	Lab Contact: M. Haas	Carrier:	1 of 1 COCs
Address: 209 Shafter Street	Analysis Turnaround Time			Sampler:
City/State/Zip: Islandia NY	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below 3 days			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Inwood Lot 9	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
PO # 2477.0008Y002	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCLP Lead	Sample Specific Notes:
RX-4 (0.5-2.5)	6/6/22	1230	G	S	1			X	

3-Day RUSH

460-259478 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

	Company	Date/Time		Company	Date/Time
Relinquished by: Jack Rush	Roux	6/6 1400	Received by:		6/6/22 17:00
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time: 6/6/22 1800
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 6/6/22 1720 TRL

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 254478

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	16 °C	20 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 6622

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-259478-1

Login Number: 259478
List Number: 1
Creator: Sgro, Angela M

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	