

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group

Contract: NOBI03

Lab Code: ACE

SDG No.: Q2639

Instrument ID: P7

Start Date : 07/22/2025

Run Number: LB136576

End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1442	100		100		100		100		100	
S2	S2	1448	101		100		100		101		99	
S3	S3	1451	103		100		103		100		101	
S4	S4	1455	102		101		101		101		101	
S5	S5	1458	102		100		103		101		103	
S6	S6	1500	101		102		103		101		106	
S7	S7	1503	100		103		106		104		107	
S8	S8	1506	97		106		107		98		106	
ICV01	ICV01	1639	93		103		105		105		103	
LLICV01	LLICV01	1642	90		101		105		104		102	
ICB01	ICB01	1645	91		103		105		105		103	
ICSA01	ICSA01	1648	91		104		110		104		109	
ICSAB01	ICSAB01	1655	93		110		110		106		111	
CCV01	CCV01	1658	93		112		114		108		114	
CCB01	CCB01	1709	88		106		109		109		106	
CRI	CRI	1712	90		107		110		110		106	
PB168937BL	PB168937BL	1715	91		108		109		109		105	
PB168937BS	PB168937BS	1719	95		108		112		110		109	
ZZZZZZ	ZZZZZZ	1721										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1737										
ZZZZZZ	ZZZZZZ	1740										
CCV02	CCV02	1748	87		107		116		110		116	
CCB02	CCB02	1804	87		105		111		111		109	
Q2639-02	OU4-TS-38-0	1807	81		105		140	*	114		118	
Q2639-04	OU4-TS-39-0	1811	74		102		135	*	113		117	
Q2639-06	OU4-TS-40-0	1814	72		101		137	*	113		118	
Q2639-08	OU4-TS-41-0	1817	72		100		135	*	113		117	
Q2639-10	OU4-TS-42-0	1820	70		99		124	*	112		119	
Q2639-12	OU4-TS-43-0	1823	72		100		127	*	112		120	
Q2639-14	OU4-TS-44-0	1826	78		107		130	*	118		120	
Q2639-14DUP	OU4-TS-44-0	1829	80		109		129	*	117		118	
Q2639-14L	OU4-TS-44-0	1833	80		107		117		117		114	

Internal Standard %RI Limit: 30 - 120

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			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q2639-14MS	OU4-TS-44-0	1836	82		110		130	*	118		117	
CCV03	CCV03	1900	84		112		116		110		113	
CCB03	CCB03	1913	84		105		111		111		109	
Q2639-14MSD	OU4-TS-44-0	1918	86		109		124	*	113		114	
Q2639-14A	OU4-TS-44-0	1921	88		109		127	*	114		115	
PB168937TB	PB168937TB	1924	84		108		113		113		111	
ZZZZZZ	ZZZZZZ	1927										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1943										
ZZZZZZ	ZZZZZZ	1946										
CCV04	CCV04	1953	87		114		119		112		116	
CCB04	CCB04	2003	86		108		113		112		111	
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2010										
ZZZZZZ	ZZZZZZ	2013										
ZZZZZZ	ZZZZZZ	2025										
ZZZZZZ	ZZZZZZ	2028										
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2038										
ZZZZZZ	ZZZZZZ	2041										
CCV05	CCV05	2102	90		111		116		109		114	
CCB05	CCB05	2109	88		109		112		112		111	
ZZZZZZ	ZZZZZZ	2112										
ZZZZZZ	ZZZZZZ	2116										
ZZZZZZ	ZZZZZZ	2119										
ZZZZZZ	ZZZZZZ	2122										
ZZZZZZ	ZZZZZZ	2125										
ZZZZZZ	ZZZZZZ	2128										
Q2639-02	OU4-TS-38-0	2132	86		110		122	*	118		112	
Q2639-04	OU4-TS-39-0	2135	88		114		125	*	117		111	
Q2639-06	OU4-TS-40-0	2138	86		114		126	*	116		111	
Q2639-08	OU4-TS-41-0	2141	84		114		125	*	116		111	

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Client: Nobis Group

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SDG No.: Q2639

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End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
CCV06	CCV06	2204	85		117		122	*	112		113	
CCB06	CCB06	2211	86		110		114		114		110	

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Run Number: LB136576

End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1442	100		100		100		100		100	
S2	S2	1448	100		101		100		101		101	
S3	S3	1451	102		103		101		101		102	
S4	S4	1455	100		101		99		102		103	
S5	S5	1458	100		101		102		106		104	
S6	S6	1500	102		105		102		105		105	
S7	S7	1503	105		107		103		109		108	
S8	S8	1506	108		111		101		110		109	
ICV01	ICV01	1639	101		104		104		106		104	
LLICV01	LLICV01	1642	101		104		105		105		104	
ICB01	ICB01	1645	100		106		105		104		104	
ICSA01	ICSA01	1648	103		107		104		109		108	
ICSAB01	ICSAB01	1655	103		109		107		111		110	
CCV01	CCV01	1658	107		112		105		112		112	
CCB01	CCB01	1709	103		108		107		107		106	
CRI	CRI	1712	103		108		108		108		105	
PB168937BL	PB168937BL	1715	103		108		108		107		106	
PB168937BS	PB168937BS	1719	104		109		107		110		110	
ZZZZZZ	ZZZZZZ	1721										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1737										
ZZZZZZ	ZZZZZZ	1740										
CCV02	CCV02	1748	103		111		107		112		112	
CCB02	CCB02	1804	100		109		109		109		108	
Q2639-02	OU4-TS-38-0	1807	93		127	*	108		112		112	
Q2639-04	OU4-TS-39-0	1811	90		120		108		111		110	
Q2639-06	OU4-TS-40-0	1814	89		123	*	106		110		109	
Q2639-08	OU4-TS-41-0	1817	89		121	*	106		110		110	
Q2639-10	OU4-TS-42-0	1820	88		113		106		110		109	
Q2639-12	OU4-TS-43-0	1823	88		114		107		109		109	
Q2639-14	OU4-TS-44-0	1826	98		120		113		113		114	
Q2639-14DUP	OU4-TS-44-0	1829	101		122	*	113		115		113	
Q2639-14L	OU4-TS-44-0	1833	101		113		112		112		111	

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End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
Q2639-14MS	OU4-TS-44-0	1836	104		124	*	114		116		115	
CCV03	CCV03	1900	103		110		106		112		112	
CCB03	CCB03	1913	100		108		109		109		107	
Q2639-14MSD	OU4-TS-44-0	1918	104		121	*	111		113		112	
Q2639-14A	OU4-TS-44-0	1921	104		122	*	113		115		113	
PB168937TB	PB168937TB	1924	102		113		113		110		109	
ZZZZZZ	ZZZZZZ	1927										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1943										
ZZZZZZ	ZZZZZZ	1946										
CCV04	CCV04	1953	106		114		110		115		113	
CCB04	CCB04	2003	102		110		111		110		109	
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2010										
ZZZZZZ	ZZZZZZ	2013										
ZZZZZZ	ZZZZZZ	2025										
ZZZZZZ	ZZZZZZ	2028										
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2038										
ZZZZZZ	ZZZZZZ	2041										
CCV05	CCV05	2102	107		115		108		114		112	
CCB05	CCB05	2109	104		112		111		111		109	
ZZZZZZ	ZZZZZZ	2112										
ZZZZZZ	ZZZZZZ	2116										
ZZZZZZ	ZZZZZZ	2119										
ZZZZZZ	ZZZZZZ	2122										
ZZZZZZ	ZZZZZZ	2125										
ZZZZZZ	ZZZZZZ	2128										
Q2639-02	OU4-TS-38-0	2132	108		122	*	115		113		113	
Q2639-04	OU4-TS-39-0	2135	110		124	*	118		115		114	
Q2639-06	OU4-TS-40-0	2138	110		125	*	117		116		113	
Q2639-08	OU4-TS-41-0	2141	111		125	*	118		115		113	

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Lab Code: ACE

SDG No.: Q2639

Instrument ID: P7

Start Date : 07/22/2025

Run Number: LB136576

End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
CCV06	CCV06	2204	111		119		112		116		115	
CCB06	CCB06	2211	106		116		115		114		110	

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Client: Nobis Group

Contract: NOBI03

Lab Code: ACE

SDG No.: Q2639

Instrument ID: P7

Start Date : 07/24/2025

Run Number: LB136601

End Date : 07/24/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1042	100		100		100		100		100	
S2	S2	1049	103		102		101		102		103	
S3	S3	1052	103		100		101		101		102	
S4	S4	1055	104		101		103		101		104	
S5	S5	1058	103		101		102		101		105	
S6	S6	1101	103		102		105		102		108	
S7	S7	1104	106		105		108		104		109	
S8	S8	1107	99		106		107		99		108	
ICV01	ICV01	1125	94		110		110		110		108	
LLICV01	LLICV01	1134	92		106		109		108		106	
ICB01	ICB01	1138	93		107		108		107		105	
ICSA01	ICSA01	1141	94		105		110		106		109	
ICSAB01	ICSAB01	1149	90		106		110		106		111	
CCV01	CCV01	1152	90		108		113		107		113	
CCB01	CCB01	1157	89		105		111		109		109	
CRI	CRI	1201	91		107		112		109		108	
ZZZZZZ	ZZZZZZ	1204										
ZZZZZZ	ZZZZZZ	1207										
ZZZZZZ	ZZZZZZ	1211										
ZZZZZZ	ZZZZZZ	1214										
ZZZZZZ	ZZZZZZ	1217										
ZZZZZZ	ZZZZZZ	1220										
ZZZZZZ	ZZZZZZ	1224										
ZZZZZZ	ZZZZZZ	1231										
ZZZZZZ	ZZZZZZ	1234										
CCV02	CCV02	1239	97		113		116		110		114	
CCB02	CCB02	1245	96		107		109		110		108	
ZZZZZZ	ZZZZZZ	1250										
ZZZZZZ	ZZZZZZ	1253										
ZZZZZZ	ZZZZZZ	1256										
ZZZZZZ	ZZZZZZ	1259										
ZZZZZZ	ZZZZZZ	1303										
Q2639-02	OU4-TS-38-01	1306	94		113		118		116		112	
Q2639-04	OU4-TS-39-01	1309	93		113		117		114		111	
Q2639-06	OU4-TS-40-01	1312	93		113		118		115		110	
Q2639-08	OU4-TS-41-01	1316	92		113		119		114		111	

Internal Standard %RI Limit: 30 - 120

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Client: Nobis Group

Contract: NOBI03

Lab Code: ACE

SDG No.: Q2639

Instrument ID: P7

Start Date : 07/24/2025

Run Number: LB136601

End Date : 07/24/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q2639-10	OU4-TS-42-0	1319	91		111		115		115		110	
CCV03	CCV03	1322	97		116		118		113		115	
CCB03	CCB03	1326	95		108		111		110		109	
Q2639-12	OU4-TS-43-0	1330	97		110		114		112		111	
Q2639-14	OU4-TS-44-0	1334	98		110		115		112		110	
Q2639-14DUP	OU4-TS-44-0	1337	98		112		115		114		112	
Q2639-14L	OU4-TS-44-0	1340	96		111		115		113		110	
Q2639-14MS	OU4-TS-44-0	1343	94		111		114		114		113	
Q2639-14MSD	OU4-TS-44-0	1349	95		113		116		115		111	
Q2639-14A	OU4-TS-44-0	1352	94		113		117		116		113	
CCV04	CCV04	1406	102		114		118		112		116	
CCB04	CCB04	1409	98		106		110		107		108	

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Run Number: LB136601

End Date : 07/24/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1042	100		100		100		100		100	
S2	S2	1049	101		100		101		101		98	
S3	S3	1052	99		100		100		101		99	
S4	S4	1055	100		101		100		102		101	
S5	S5	1058	100		101		101		103		102	
S6	S6	1101	102		104		103		104		106	
S7	S7	1104	104		106		102		107		106	
S8	S8	1107	106		109		100		107		107	
ICV01	ICV01	1125	106		108		107		106		107	
LLICV01	LLICV01	1134	104		106		107		106		104	
ICB01	ICB01	1138	103		106		107		105		104	
ICSA01	ICSA01	1141	104		106		105		108		106	
ICSAB01	ICSAB01	1149	103		106		105		105		107	
CCV01	CCV01	1152	106		110		104		109		106	
CCB01	CCB01	1157	102		105		105		104		102	
CRI	CRI	1201	102		107		107		106		104	
ZZZZZZ	ZZZZZZ	1204										
ZZZZZZ	ZZZZZZ	1207										
ZZZZZZ	ZZZZZZ	1211										
ZZZZZZ	ZZZZZZ	1214										
ZZZZZZ	ZZZZZZ	1217										
ZZZZZZ	ZZZZZZ	1220										
ZZZZZZ	ZZZZZZ	1224										
ZZZZZZ	ZZZZZZ	1231										
ZZZZZZ	ZZZZZZ	1234										
CCV02	CCV02	1239	109		112		106		110		109	
CCB02	CCB02	1245	102		108		106		105		103	
ZZZZZZ	ZZZZZZ	1250										
ZZZZZZ	ZZZZZZ	1253										
ZZZZZZ	ZZZZZZ	1256										
ZZZZZZ	ZZZZZZ	1259										
ZZZZZZ	ZZZZZZ	1303										
Q2639-02	OU4-TS-38-01	1306	107		114		111		110		108	
Q2639-04	OU4-TS-39-01	1309	107		113		111		110		107	
Q2639-06	OU4-TS-40-01	1312	107		114		111		109		107	
Q2639-08	OU4-TS-41-01	1316	107		114		112		110		107	

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Run Number: LB136601

End Date : 07/24/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
Q2639-10	OU4-TS-42-0	1319	107		114		112		108		107	
CCV03	CCV03	1322	109		111		105		112		108	
CCB03	CCB03	1326	103		107		109		106		104	
Q2639-12	OU4-TS-43-0	1330	105		111		110		108		108	
Q2639-14	OU4-TS-44-0	1334	106		110		108		108		106	
Q2639-14DUP	OU4-TS-44-0	1337	106		112		110		109		106	
Q2639-14L	OU4-TS-44-0	1340	104		109		108		107		104	
Q2639-14MS	OU4-TS-44-0	1343	107		112		112		110		108	
Q2639-14MSD	OU4-TS-44-0	1349	108		114		111		111		107	
Q2639-14A	OU4-TS-44-0	1352	108		115		112		110		109	
CCV04	CCV04	1406	109		112		107		111		110	
CCB04	CCB04	1409	101		104		104		104		103	