

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2842

Instrument ID: P7

Start Date : 08/15/2025

Run Number: LB136861

End Date : 08/15/2025

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	1234	100		100		100		100		100	
S2	S2	1248	103		101		94		100		102	
S3	S3	1251	105		103		94		102		103	
S4	S4	1254	106		102		95		101		103	
S5	S5	1257	105		100		94		101		104	
S6	S6	1300	104		100		94		100		102	
S7	S7	1303	105		102		98		102		107	
S8	S8	1306	107		104		98		98		107	
ICV01	ICV01	1322	99		104		98		105		102	
LLICV01	LLICV01	1340	99		104		98		105		102	
ICB01	ICB01	1343	100		106		98		105		104	
ICSA01	ICSA01	1346	97		103		101		107		108	
ICSAB01	ICSAB01	1350	89		105		103		107		111	
CCV01	CCV01	1353	90		107		105		106		112	
CCB01	CCB01	1356	88		103		99		106		103	
CRI	CRI	1403	90		102		98		105		103	
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	93		108		104		107		110	
CCB02	CCB02	1444	90		105		100		106		104	
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
Q2842-03	MW-17B-55.5	1500	97		119		115		121		115	
Q2842-03DUP	MW-17B-55.5	1503	97		120		116		120		116	
Q2842-03L	MW-17B-55.5	1506	88		106		103		109		105	
Q2842-04	MW-17B-55.5	1509	99		119		114		119		120	
Q2842-05	MW-17B-55.5	1512	97		117		115		118		117	
Q2842-03A	MW-17B-55.5	1515	97		118		114		120		118	

Internal Standard %RI Limit: 70 - 130

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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
Q2842-09	MW-17B-55.5	1518	97		116		115		120		118	
CCV03	CCV03	1521	91		108		105		106		109	
CCB03	CCB03	1524	91		102		99		106		103	
Q2842-10	MW-17B-55.5	1527	105		121		114		121		120	
Q2842-11	MW-17B-55.5	1530	102		119		114		119		121	
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
ZZZZZZ	ZZZZZZ	1552										
ZZZZZZ	ZZZZZZ	1555										
CCV04	CCV04	1558	99		115		110		111		115	
CCB04	CCB04	1610	89		101		101		108		110	

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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	1234	100		100		100		100		100	
S2	S2	1248	100		94		99		100		98	
S3	S3	1251	102		95		101		102		101	
S4	S4	1254	102		94		100		101		101	
S5	S5	1257	101		94		100		101		101	
S6	S6	1300	104		98		102		103		104	
S7	S7	1303	102		96		100		105		104	
S8	S8	1306	106		100		98		106		106	
ICV01	ICV01	1322	104		98		104		103		103	
LLICV01	LLICV01	1340	103		98		103		103		101	
ICB01	ICB01	1343	104		100		105		105		103	
ICSA01	ICSA01	1346	105		101		105		108		107	
ICSAB01	ICSAB01	1350	107		103		107		109		109	
CCV01	CCV01	1353	110		106		106		111		109	
CCB01	CCB01	1356	104		100		105		103		102	
CRI	CRI	1403	103		100		105		104		103	
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	108		105		106		109		107	
CCB02	CCB02	1444	104		102		106		104		102	
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
Q2842-03	MW-17B-55.5	1500	118		115		120		119		116	
Q2842-03DUP	MW-17B-55.5	1503	117		113		119		117		117	
Q2842-03L	MW-17B-55.5	1506	108		105		111		109		106	
Q2842-04	MW-17B-55.5	1509	117		114		118		118		118	
Q2842-05	MW-17B-55.5	1512	116		114		116		118		117	
Q2842-03A	MW-17B-55.5	1515	117		114		119		119		119	

Internal Standard %RI Limit: 70 - 130

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Run Number: LB136861

End Date : 08/15/2025

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
Q2842-09	MW-17B-55.5	1518	116		113		120		118		116	
CCV03	CCV03	1521	108		105		106		110		107	
CCB03	CCB03	1524	103		101		105		104		100	
Q2842-10	MW-17B-55.5	1527	118		113		119		119		117	
Q2842-11	MW-17B-55.5	1530	118		113		118		121		118	
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
ZZZZZZ	ZZZZZZ	1552										
ZZZZZZ	ZZZZZZ	1555										
CCV04	CCV04	1558	115		111		110		115		113	
CCB04	CCB04	1610	103		101		108		107		104	

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ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2842

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

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	1133	100		100		100		100		100	
S2	S2	1139	106		103		101		103		101	
S3	S3	1143	108		102		102		102		100	
S4	S4	1146	107		101		101		100		100	
S5	S5	1149	109		102		102		100		104	
S6	S6	1152	110		103		104		100		106	
S7	S7	1154	108		103		103		99		106	
S8	S8	1157	107		103		103		95		104	
ICV01	ICV01	1215	105		99		98		98		98	
LLICV01	LLICV01	1226	103		97		98		98		99	
ICB01	ICB01	1229	103		99		100		97		98	
ICSA01	ICSA01	1233	104		99		103		98		105	
ICSAB01	ICSAB01	1236	102		101		103		100		104	
CCV01	CCV01	1239	104		105		107		101		106	
CCB01	CCB01	1244	99		102		104		103		101	
CRI	CRI	1248	99		101		104		102		101	
CCV02	CCV02	1340	107		103		104		98		103	
CCB02	CCB02	1343	103		99		100		100		98	
PB169250BL	PB169250BL	1346	101		98		99		98		98	
PB169250BS	PB169250BS	1350	105		103		102		99		102	
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	103		107		107		99		105	
CCB03	CCB03	1434	100		99		100		98		99	

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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	1133	100		100		100		100		100	
S2	S2	1139	103		103		103		102		103	
S3	S3	1143	103		102		102		103		102	
S4	S4	1146	101		99		101		101		102	
S5	S5	1149	101		100		98		103		103	
S6	S6	1152	102		101		100		101		104	
S7	S7	1154	105		104		102		107		107	
S8	S8	1157	107		105		98		105		108	
ICV01	ICV01	1215	99		97		99		98		101	
LLICV01	LLICV01	1226	99		100		101		101		101	
ICB01	ICB01	1229	97		100		99		100		101	
ICSA01	ICSA01	1233	101		102		100		102		104	
ICSAB01	ICSAB01	1236	104		103		101		105		107	
CCV01	CCV01	1239	111		111		105		108		110	
CCB01	CCB01	1244	103		104		105		103		104	
CRI	CRI	1248	103		103		103		102		103	
CCV02	CCV02	1340	106		105		99		106		108	
CCB02	CCB02	1343	99		100		99		101		103	
PB169250BL	PB169250BL	1346	98		98		97		97		101	
PB169250BS	PB169250BS	1350	105		106		102		106		108	
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	106		104		99		103		107	
CCB03	CCB03	1434	100		101		99		100		105	