

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q1769

Sas No.: Q1769 SDG No.: Q1769

Instrument ID: P7

Start Date : 04/11/2025

Run Number: LB135403

End Date : 04/11/2025

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	1209	100		100		100		100		100	
S2	S2	1216	104		102		101		101		100	
S3	S3	1219	108		105		104		103		104	
S4	S4	1223	104		99		100		99		101	
S5	S5	1226	104		97		97		96		100	
S6	S6	1229	100		91		94		91		96	
S7	S7	1231	98		93		96		92		99	
S8	S8	1234	105		109		110		100		111	
ICV01	ICV01	1248	99		103		103		102		102	
LLICV	LLICV	1259	110		109		109		108		109	
ICB01	ICB01	1306	124		123		124		122		122	
ICSA01	ICSA01	1310	98		99		101		97		101	
ICSAB01	ICSAB01	1328	103		102		104		100		107	
CCV01	CCV01	1331	96		99		102		97		105	
CCB01	CCB01	1334	98		103		107		106		108	
CRI	CRI	1344	102		107		109		109		109	
PB167552BL	PB167552BL	1415	97		110		110		110		110	
PB167552BS	PB167552BS	1418	97		105		107		105		109	
Q1769-02	S-875-K1-SO	1421	103		105		109		107		109	
Q1769-03	S-874-K1-SO	1424	104		110		114		110		112	
Q1769-04	S-874-K1-SO	1427	104		111		114		110		112	
Q1769-09	S-873-K1-SO	1431	104		112		116		110		113	
Q1769-09DUP	S-873-K1-SO	1434	101		112		116		109		112	
CCV02	CCV02	1451	100		105		106		100		108	
CCB02	CCB02	1454	105		104		104		104		106	
Q1769-09L	S-873-K1-SO	1457	102		104		106		103		105	
Q1769-10	S-873-K1-SO	1517	103		110		114		109		111	
Q1769-11	S-873-K1-SO	1520	103		112		114		108		112	
Q1769-09A	S-873-K1-SO	1523	103		111		115		109		111	
CCV03	CCV03	1536	98		104		105		99		106	
CCB03	CCB03	1541	97		102		104		103		104	

Internal Standard %RI Limit: 70 - 130

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			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1209	100		100		100		100		100	
S2	S2	1216	103		104		103		101		102	
S3	S3	1219	102		104		102		103		104	
S4	S4	1223	98		102		100		102		104	
S5	S5	1226	95		97		97		101		103	
S6	S6	1229	93		97		96		102		103	
S7	S7	1231	96		100		97		103		104	
S8	S8	1234	109		111		102		110		111	
ICV01	ICV01	1248	102		106		104		105		105	
LLICV	LLICV	1259	105		109		108		109		108	
ICB01	ICB01	1306	101		104		103		104		104	
ICSA01	ICSA01	1310	97		101		98		103		104	
ICSAB01	ICSAB01	1328	102		106		101		106		108	
CCV01	CCV01	1331	100		104		98		106		106	
CCB01	CCB01	1334	101		106		106		107		107	
CRI	CRI	1344	106		111		111		111		112	
PB167552BL	PB167552BL	1415	106		110		110		109		107	
PB167552BS	PB167552BS	1418	100		107		103		107		107	
Q1769-02	S-875-K1-SO	1421	100		106		102		105		105	
Q1769-03	S-874-K1-SO	1424	110		116		112		114		114	
Q1769-04	S-874-K1-SO	1427	109		117		112		113		114	
Q1769-09	S-873-K1-SO	1431	109		117		112		112		112	
Q1769-09DUP	S-873-K1-SO	1434	109		116		111		111		110	
CCV02	CCV02	1451	103		106		100		109		109	
CCB02	CCB02	1454	102		106		105		107		108	
Q1769-09L	S-873-K1-SO	1457	103		108		107		109		108	
Q1769-10	S-873-K1-SO	1517	109		114		110		111		112	
Q1769-11	S-873-K1-SO	1520	108		114		110		111		113	
Q1769-09A	S-873-K1-SO	1523	110		117		111		113		113	
CCV03	CCV03	1536	102		106		100		106		106	
CCB03	CCB03	1541	101		107		106		106		105	

Internal Standard %RI Limit: 70 - 130

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Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q1769

Sas No.: Q1769 SDG No.: Q1769

Instrument ID: P8

Start Date : 05/13/2025

Run Number: LB135757

End Date : 05/13/2025

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	1458	100		100		100		100		100	
S2	S2	1505	101		100		101		103		102	
S3	S3	1508	101		101		99		101		101	
S4	S4	1516	99		97		98		97		99	
S5	S5	1519	98		98		97		96		99	
S6	S6	1522	96		95		96		91		98	
S7	S7	1525	91		92		93		88		97	
S8	S8	1527	83		87		89		79		91	
ICV01	ICV01	1558	102		105		103		105		104	
LLICV	LLICV	1608	103		106		106		106		105	
ICB01	ICB01	1615	104		105		107		107		106	
ICSA01	ICSA01	1619	97		103		103		96		104	
ICSAB1	ICSAB1	1629	94		107		106		99		105	
CCV01	CCV01	1632	89		100		99		90		99	
CCB01	CCB01	1640	101		110		108		108		107	
CRI	CRI	1652	100		108		106		107		105	
Q1769-08	EB01-040925	1655	104		111		110		111		109	
ZZZZZZ	ZZZZZZ	1658										
ZZZZZZ	ZZZZZZ	1701										
ZZZZZZ	ZZZZZZ	1704										
ZZZZZZ	ZZZZZZ	1707										
ZZZZZZ	ZZZZZZ	1710										
ZZZZZZ	ZZZZZZ	1713										
ZZZZZZ	ZZZZZZ	1717										
CCV02	CCV02	1720	91		101		100		91		100	
CCB02	CCB02	1723	104		109		110		108		107	
ZZZZZZ	ZZZZZZ	1727										
ZZZZZZ	ZZZZZZ	1730										
ZZZZZZ	ZZZZZZ	1733										
ZZZZZZ	ZZZZZZ	1736										
ZZZZZZ	ZZZZZZ	1739										
ZZZZZZ	ZZZZZZ	1742										
ZZZZZZ	ZZZZZZ	1745										
ZZZZZZ	ZZZZZZ	1748										
CCV03	CCV03	1751	88		101		102		91		99	
CCB03	CCB03	1754	102		110		109		109		109	

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Lab Code: CHEM Case no.: Q1769

Sas No.: Q1769 SDG No.: Q1769

Instrument ID: P8

Start Date : 05/13/2025

Run Number: LB135757

End Date : 05/13/2025

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
ZZZZZZ	ZZZZZZ	1758										
ZZZZZZ	ZZZZZZ	1801										
ZZZZZZ	ZZZZZZ	1804										
PB167865BL	PB167865BL	1807	101		112		109		110		108	
PB167865BS	PB167865BS	1811	98		109		108		102		107	
CCV04	CCV04	1815	89		101		101		92		101	
CCB04	CCB04	1818	101		109		109		109		108	

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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	1458	100		100		100		100		100	
S2	S2	1505	101		100		101		101		101	
S3	S3	1508	99		96		97		100		99	
S4	S4	1516	97		95		95		98		98	
S5	S5	1519	96		94		93		98		97	
S6	S6	1522	95		92		90		96		97	
S7	S7	1525	95		90		87		94		94	
S8	S8	1527	88		89		79		90		90	
ICV01	ICV01	1558	103		102		103		104		103	
LLICV	LLICV	1608	105		104		105		105		104	
ICB01	ICB01	1615	105		105		106		105		104	
ICSA01	ICSA01	1619	101		100		95		100		102	
ICSAB1	ICSAB1	1629	103		102		97		100		101	
CCV01	CCV01	1632	99		95		90		96		97	
CCB01	CCB01	1640	105		102		105		103		103	
CRI	CRI	1652	105		104		105		103		104	
Q1769-08	EB01-040925	1655	106		105		107		104		104	
ZZZZZZ	ZZZZZZ	1658										
ZZZZZZ	ZZZZZZ	1701										
ZZZZZZ	ZZZZZZ	1704										
ZZZZZZ	ZZZZZZ	1707										
ZZZZZZ	ZZZZZZ	1710										
ZZZZZZ	ZZZZZZ	1713										
ZZZZZZ	ZZZZZZ	1717										
CCV02	CCV02	1720	97		95		88		95		95	
CCB02	CCB02	1723	104		102		105		103		101	
ZZZZZZ	ZZZZZZ	1727										
ZZZZZZ	ZZZZZZ	1730										
ZZZZZZ	ZZZZZZ	1733										
ZZZZZZ	ZZZZZZ	1736										
ZZZZZZ	ZZZZZZ	1739										
ZZZZZZ	ZZZZZZ	1742										
ZZZZZZ	ZZZZZZ	1745										
ZZZZZZ	ZZZZZZ	1748										
CCV03	CCV03	1751	97		96		89		96		97	
CCB03	CCB03	1754	104		103		106		102		103	

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			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1758										
ZZZZZZ	ZZZZZZ	1801										
ZZZZZZ	ZZZZZZ	1804										
PB167865BL	PB167865BL	1807	106		104		107		103		104	
PB167865BS	PB167865BS	1811	104		102		100		101		102	
CCV04	CCV04	1815	97		94		88		96		96	
CCB04	CCB04	1818	103		102		105		104		102	