

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: CHEM Case no.: P3671

Sas No.: P3671 SDG No.: P3671

Instrument ID: P7

Start Date : 08/25/2024

Run Number: LB132155

End Date : 08/26/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1438	100		100							
S2	S2	1442	103		103							
S3	S3	1445	104		104							
S4	S4	1448	104		103							
S5	S5	1451	105		105							
S6	S6	1454	107		105							
S7	S7	1457	107		104							
S8	S8	1459	104		93							
ICV01	ICV01	1638	105		107							
LLICV	LLICV	1702	103		105							
ICB01	ICB01	1705	104		105							
ICSA01	ICSA01	1708	107		104							
ICSAB01	ICSAB01	1711	108		105							
CCV01	CCV01	1714	108		104							
CCB01	CCB01	1723	103		106							
CRI	CRI	1726	103		105							
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
ZZZZZZ	ZZZZZZ	1747										
ZZZZZZ	ZZZZZZ	1750										
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1757										
ZZZZZZ	ZZZZZZ	1800										
CCV02	CCV02	1803	106		102							
CCB02	CCB02	1809	103		106							
ZZZZZZ	ZZZZZZ	1813										
ZZZZZZ	ZZZZZZ	1816										
ZZZZZZ	ZZZZZZ	1819										
ZZZZZZ	ZZZZZZ	1822										
ZZZZZZ	ZZZZZZ	1825										
ZZZZZZ	ZZZZZZ	1828										
ZZZZZZ	ZZZZZZ	1831										

Internal Standard %RI Limit: 70 -130

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			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1834										
ZZZZZZ	ZZZZZZ	1837										
ZZZZZZ	ZZZZZZ	1840										
CCV03	CCV03	1843	107		103							
CCB03	CCB03	1849	101		105							
ZZZZZZ	ZZZZZZ	1855										
ZZZZZZ	ZZZZZZ	1858										
ZZZZZZ	ZZZZZZ	1902										
ZZZZZZ	ZZZZZZ	1905										
ZZZZZZ	ZZZZZZ	1908										
ZZZZZZ	ZZZZZZ	1911										
ZZZZZZ	ZZZZZZ	1914										
ZZZZZZ	ZZZZZZ	1917										
ZZZZZZ	ZZZZZZ	1921										
ZZZZZZ	ZZZZZZ	1924										
CCV04	CCV04	1927	107		102							
CCB04	CCB04	1933	104		107							
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1948										
ZZZZZZ	ZZZZZZ	1951										
ZZZZZZ	ZZZZZZ	1954										
ZZZZZZ	ZZZZZZ	1958										
ZZZZZZ	ZZZZZZ	2001										
ZZZZZZ	ZZZZZZ	2004										
ZZZZZZ	ZZZZZZ	2007										
ZZZZZZ	ZZZZZZ	2011										
CCV05	CCV05	2014	106		102							
CCB05	CCB05	2029	99		104							
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2039										
ZZZZZZ	ZZZZZZ	2042										
ZZZZZZ	ZZZZZZ	2045										

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Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2048										
ZZZZZZ	ZZZZZZ	2051										
ZZZZZZ	ZZZZZZ	2054										
ZZZZZZ	ZZZZZZ	2056										
ZZZZZZ	ZZZZZZ	2059										
CCV06	CCV06	2102	107		103							
CCB06	CCB06	2114	100		106							
ZZZZZZ	ZZZZZZ	2117										
ZZZZZZ	ZZZZZZ	2120										
PB162888BL	PB162888BL	2122	103		108							
PB162888BS	PB162888BS	2126	105		105							
P3671-01	S-904-J-SO-C	2129	104		106							
P3671-01	S-904-J-SO-C	2132	105		108							
P3671-02	S-904-J-SO-C	2135	107		105							
P3671-02	S-904-J-SO-C	2138	107		108							
P3671-03	S-911-K1-SO-	2141	105		105							
P3671-03	S-911-K1-SO-	2144	107		109							
CCV07	CCV07	2147	106		101							
CCB07	CCB07	2155	106		109							
P3671-04	S-911-K1-SO-	2200	106		106							
P3671-04	S-911-K1-SO-	2203	108		109							
P3671-05	S-911-K1-SO-	2206	111		111							
P3671-05	S-911-K1-SO-	2209	103		104							
P3671-06	S-905-J-SO-C	2212	106		103							
P3671-06	S-905-J-SO-C	2216	108		108							
P3671-07	S-905-J-SO-0-0.5-0819	2219	24-FD		10608							
P3671-07	S-905-J-SO-0-0.5-0819	2222	24-FD		10908							
P3671-08	S-905-J-SO-C	2225	106		103							
P3671-08	S-905-J-SO-C	2228	108		108							
CCV08	CCV08	2231	108		103							
CCB08	CCB08	2250	101		105							
P3671-09	S-928-K1-SO-	2254	107		106							
P3671-09	S-928-K1-SO-	2257	106		109							
P3671-10	S-928-K1-SO-	2300	109		109							

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Instrument ID: P7

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Run Number: LB132155

End Date : 08/26/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
P3671-10	S-928-K1-SO-	2303	107		110							
P3671-11	S-903-J-SO-(	2306	104		102							
P3671-11	S-903-J-SO-(	2309	106		107							
P3671-12	S-903-J-SO-(	2312	106		103							
P3671-12	S-903-J-SO-(	2315	108		109							
P3671-13	S-912-J-SO-(	2319	106		107							
P3671-13	S-912-J-SO-(	2322	107		109							
CCV09	CCV09	2334	102		97							
CCB09	CCB09	2343	103		105							
P3671-14	S-912-J-SO-(	2346	105		106							
P3671-14	S-912-J-SO-(	2350	105		109							
P3671-14DUP	S-912-J-SO-(	2353	107		107							
P3671-14DUP	S-912-J-SO-(	2356	105		107							
P3671-14L	S-912-J-SO-(	2359	106		108							
P3671-14L	S-912-J-SO-(	0003	104		109							
P3671-14MS	S-912-J-SO-(	0006	107		105							
P3671-14MS	S-912-J-SO-(	0009	108		111							
P3671-14MSD	S-912-J-SO-(	0012	107		106							
P3671-14MSD	S-912-J-SO-(	0014	108		111							
CCV10	CCV10	0042	103		98							
CCB10	CCB10	0052	102		106							
P3671-14A	S-912-J-SO-(	0055	107		105							
P3671-14A	S-912-J-SO-(	0058	108		111							
ZZZZZZ	ZZZZZZ	0115										
CCV11	CCV11	0117	104		100							
CCB11	CCB11	0130	102		102							

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			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1438	100									
S2	S2	1442	102									
S3	S3	1445	103									
S4	S4	1448	104									
S5	S5	1451	102									
S6	S6	1454	101									
S7	S7	1457	102									
S8	S8	1459	92									
ICV01	ICV01	1638	105									
LLICV	LLICV	1702	104									
ICB01	ICB01	1705	105									
ICSA01	ICSA01	1708	102									
ICSAB01	ICSAB01	1711	100									
CCV01	CCV01	1714	100									
CCB01	CCB01	1723	104									
CRI	CRI	1726	103									
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
ZZZZZZ	ZZZZZZ	1747										
ZZZZZZ	ZZZZZZ	1750										
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1757										
ZZZZZZ	ZZZZZZ	1800										
CCV02	CCV02	1803	100									
CCB02	CCB02	1809	106									
ZZZZZZ	ZZZZZZ	1813										
ZZZZZZ	ZZZZZZ	1816										
ZZZZZZ	ZZZZZZ	1819										
ZZZZZZ	ZZZZZZ	1822										
ZZZZZZ	ZZZZZZ	1825										
ZZZZZZ	ZZZZZZ	1828										
ZZZZZZ	ZZZZZZ	1831										

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			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1834										
ZZZZZZ	ZZZZZZ	1837										
ZZZZZZ	ZZZZZZ	1840										
CCV03	CCV03	1843	101									
CCB03	CCB03	1849	108									
ZZZZZZ	ZZZZZZ	1855										
ZZZZZZ	ZZZZZZ	1858										
ZZZZZZ	ZZZZZZ	1902										
ZZZZZZ	ZZZZZZ	1905										
ZZZZZZ	ZZZZZZ	1908										
ZZZZZZ	ZZZZZZ	1911										
ZZZZZZ	ZZZZZZ	1914										
ZZZZZZ	ZZZZZZ	1917										
ZZZZZZ	ZZZZZZ	1921										
ZZZZZZ	ZZZZZZ	1924										
CCV04	CCV04	1927	100									
CCB04	CCB04	1933	108									
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1948										
ZZZZZZ	ZZZZZZ	1951										
ZZZZZZ	ZZZZZZ	1954										
ZZZZZZ	ZZZZZZ	1958										
ZZZZZZ	ZZZZZZ	2001										
ZZZZZZ	ZZZZZZ	2004										
ZZZZZZ	ZZZZZZ	2007										
ZZZZZZ	ZZZZZZ	2011										
CCV05	CCV05	2014	100									
CCB05	CCB05	2029	105									
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2039										
ZZZZZZ	ZZZZZZ	2042										
ZZZZZZ	ZZZZZZ	2045										

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			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2048										
ZZZZZZ	ZZZZZZ	2051										
ZZZZZZ	ZZZZZZ	2054										
ZZZZZZ	ZZZZZZ	2056										
ZZZZZZ	ZZZZZZ	2059										
CCV06	CCV06	2102	102									
CCB06	CCB06	2114	106									
ZZZZZZ	ZZZZZZ	2117										
ZZZZZZ	ZZZZZZ	2120										
PB162888BL	PB162888BL	2122	105									
PB162888BS	PB162888BS	2126	105									
P3671-01	S-904-J-SO-C	2129	106									
P3671-01	S-904-J-SO-C	2132	108									
P3671-02	S-904-J-SO-C	2135	107									
P3671-02	S-904-J-SO-C	2138	109									
P3671-03	S-911-K1-SO-	2141	108									
P3671-03	S-911-K1-SO-	2144	110									
CCV07	CCV07	2147	103									
CCB07	CCB07	2155	109									
P3671-04	S-911-K1-SO-	2200	109									
P3671-04	S-911-K1-SO-	2203	110									
P3671-05	S-911-K1-SO-	2206	109									
P3671-05	S-911-K1-SO-	2209	109									
P3671-06	S-905-J-SO-C	2212	106									
P3671-06	S-905-J-SO-C	2216	110									
P3671-07	S-905-J-SO-0-0.5-0819	2219	24-FD2219		107							
P3671-07	S-905-J-SO-0-0.5-0819	2222	24-FD2222		108							
P3671-08	S-905-J-SO-C	2225	105									
P3671-08	S-905-J-SO-C	2228	111									
CCV08	CCV08	2231	103									
CCB08	CCB08	2250	107									
P3671-09	S-928-K1-SO-	2254	109									
P3671-09	S-928-K1-SO-	2257	110									
P3671-10	S-928-K1-SO-	2300	110									

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			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
P3671-10	S-928-K1-SO-	2303	110									
P3671-11	S-903-J-SO-	2306	106									
P3671-11	S-903-J-SO-	2309	109									
P3671-12	S-903-J-SO-	2312	109									
P3671-12	S-903-J-SO-	2315	108									
P3671-13	S-912-J-SO-	2319	109									
P3671-13	S-912-J-SO-	2322	112									
CCV09	CCV09	2334	98									
CCB09	CCB09	2343	108									
P3671-14	S-912-J-SO-	2346	107									
P3671-14	S-912-J-SO-	2350	111									
P3671-14DUP	S-912-J-SO-	2353	110									
P3671-14DUP	S-912-J-SO-	2356	109									
P3671-14L	S-912-J-SO-	2359	111									
P3671-14L	S-912-J-SO-	0003	110									
P3671-14MS	S-912-J-SO-	0006	108									
P3671-14MS	S-912-J-SO-	0009	112									
P3671-14MSD	S-912-J-SO-	0012	109									
P3671-14MSD	S-912-J-SO-	0014	111									
CCV10	CCV10	0042	100									
CCB10	CCB10	0052	107									
P3671-14A	S-912-J-SO-	0055	107									
P3671-14A	S-912-J-SO-	0058	113									
ZZZZZZ	ZZZZZZ	0115										
CCV11	CCV11	0117	100									
CCB11	CCB11	0130	109									