

FORM 14-IN

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51817 MA No.: SDG No.: MYE4H7
 Instrument ID: P7 Start Date : 11/03/2024
 Run Batch: LB133264 End Date : 11/03/2024

EPA Sample No.	Time	Internal Standard %RI For: Non-Collision Cell									
		Element	Q	Element	Q	Element	Q	Element	Q	Element	Q
		6Li		45Sc		89Y		103Rh		159Tb	
S0	1449	100		100		100		100		100	
S02	1455	102		101		101		102		105	
S03	1459	105		104		105		105		107	
S04	1502	103		105		106		104		109	
S05	1505	103		103		105		102		108	
S06	1507	104		103		106		102		111	
S07	1510	96		95		98		93		103	
S08	1513	99		107		105		95		109	
ICV002	1523	107		110		111		111		111	
ICB002	1531	102		105		105		105		105	
ICSA002	1540	97		107		106		101		108	
ICSAB002	1543	99		113		113		106		113	
CCV006	1546	96		119		117		107		116	
CCB006	1548	101		120		119		118		118	
ZZZZZZ	1552										
ZZZZZZ	1555										
ZZZZZZ	1558										
ZZZZZZ	1601										
ZZZZZZ	1605										
ZZZZZZ	1608										
ZZZZZZ	1611										
ZZZZZZ	1614										
ZZZZZZ	1617										
ZZZZZZ	1621										
ZZZZZZ	1624										
ZZZZZZ	1627										
ZZZZZZ	1630										
ZZZZZZ	1634										
ZZZZZZ	1637										
ZZZZZZ	1640										
ZZZZZZ	1643										
ZZZZZZ	1646										
ZZZZZZ	1649										
ZZZZZZ	1652										
ZZZZZZ	1655										
ZZZZZZ	1658										
ZZZZZZ	1701										
ZZZZZZ	1704										

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EPA Sample No.	Time	Internal Standard %RI For: Non-Collision Cell									
		Element	Q	Element	Q	Element	Q	Element	Q	Element	Q
		6Li		45Sc		89Y		103Rh		159Tb	
ZZZZZZ	1708										
ZZZZZZ	1711										
ZZZZZZ	1714										
ZZZZZZ	1717										
ZZZZZZ	1720										
ZZZZZZ	1723										
CCV007	1726	96		108		111		101		112	
CCB007	1729	100		112		113		113		114	
ZZZZZZ	1732										
ZZZZZZ	1735										
ZZZZZZ	1738										
ZZZZZZ	1741										
ZZZZZZ	1745										
ZZZZZZ	1748										
ZZZZZZ	1751										
ZZZZZZ	1754										
ZZZZZZ	1757										
ZZZZZZ	1800										
ZZZZZZ	1803										
ZZZZZZ	1806										
ZZZZZZ	1809										
ZZZZZZ	1812										
ZZZZZZ	1815										
ZZZZZZ	1819										
ZZZZZZ	1822										
ZZZZZZ	1825										
ZZZZZZ	1828										
ZZZZZZ	1831										
ZZZZZZ	1834										
ZZZZZZ	1837										
ZZZZZZ	1840										
ZZZZZZ	1843										
ZZZZZZ	1846										
ZZZZZZ	1849										
CCV008	1852	93		101		106		98		112	
CCB008	1855	93		100		104		106		111	
ZZZZZZ	1858										
ZZZZZZ	1901										

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EPA Sample No.	Time	Internal Standard %RI For: Non-Collision Cell									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	1905										
ZZZZZZ	1908										
PBS452	1911	84		93		99		100		105	
LCS452	1914	86		94		100		102		106	
LCSD452	1917	88		96		102		104		107	
MYE4H7	1921	84		100		106		97		105	
MYE4H7D	1924	88		100		106		98		108	
MYE4H7L	1927	87		94		101		100		107	
MYE4H7S	1930	87		98		106		98		108	
MYE4H7SRE	1933	87		97		104		97		107	
ZZZZZZ	1936										
ZZZZZZ	1940										
ZZZZZZ	1944										
ZZZZZZ	1947										
ZZZZZZ	1950										
ZZZZZZ	1953										
ZZZZZZ	1956										
ZZZZZZ	1959										
ZZZZZZ	2003										
ZZZZZZ	2006										
ZZZZZZ	2009										
ZZZZZZ	2012										
ZZZZZZ	2015										
ZZZZZZ	2018										
CCV009	2025	88		94		101		93		107	
CCB009	2028	89		94		101		101		108	
ZZZZZZ	2032										
MYE4H7	2034	92		96		104		102		109	
MYE4H7D	2038	89		96		102		100		107	
MYE4H7L	2041	88		95		101		101		107	
MYE4H7S	2044	88		98		103		102		109	
MYE4H7SRE	2047	89		97		103		102		110	
ZZZZZZ	2050										
ZZZZZZ	2053										
ZZZZZZ	2057										
ZZZZZZ	2100										
ZZZZZZ	2103										
ZZZZZZ	2106										

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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Instrument ID: P7	Start Date : 11/03/2024
Run Batch: LB133264	End Date : 11/03/2024

EPA Sample No.	Time	Internal Standard %RI For: Non-Collision Cell									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	2109										
ZZZZZZ	2112										
ZZZZZZ	2116										
ZZZZZZ	2119										
ZZZZZZ	2122										
ZZZZZZ	2125										
ZZZZZZ	2128										
ZZZZZZ	2131										
ZZZZZZ	2135										
ZZZZZZ	2138										
ZZZZZZ	2141										
ZZZZZZ	2144										
ZZZZZZ	2147										
ZZZZZZ	2151										
CCV010	2154	85		89		96		88		104	
CCB010	2158	89		96		101		102		109	
ZZZZZZ	2304										
ZZZZZZ	2307										
MYE4H7ARE	2310	87		98		105		96		105	
ZZZZZZ	2313										
ZZZZZZ	2316										
ZZZZZZ	2319										
ZZZZZZ	2322										
ZZZZZZ	2330										
CCV011	2334	85		88		95		88		105	
CCB011	2338	90		94		100		101		108	

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EPA Sample No.	Time	Internal Standard %RI For: Collision Cell									
		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
S0	1449	100		100		100		100		100	
S02	1455	102		102		103		101		103	
S03	1459	105		104		104		104		105	
S04	1502	104		102		102		105		105	
S05	1505	103		103		101		104		106	
S06	1507	102		101		101		105		107	
S07	1510	104		102		99		106		107	
S08	1513	109		104		93		104		105	
ICV002	1523	112		109		110		109		109	
ICB002	1531	107		105		107		104		105	
ICSA002	1540	112		108		103		107		109	
ICSAB002	1543	118		113		107		111		113	
CCV006	1546	121		114		105		110		112	
CCB006	1548	119		116		116		112		114	
ZZZZZZ	1552										
ZZZZZZ	1555										
ZZZZZZ	1558										
ZZZZZZ	1601										
ZZZZZZ	1605										
ZZZZZZ	1608										
ZZZZZZ	1611										
ZZZZZZ	1614										
ZZZZZZ	1617										
ZZZZZZ	1621										
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ZZZZZZ	1634										
ZZZZZZ	1637										
ZZZZZZ	1640										
ZZZZZZ	1643										
ZZZZZZ	1646										
ZZZZZZ	1649										
ZZZZZZ	1652										
ZZZZZZ	1655										
ZZZZZZ	1658										
ZZZZZZ	1701										
ZZZZZZ	1704										

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
ZZZZZZ	1905										
ZZZZZZ	1908										
PBS452	1911	93		99		101		101		103	
LCS452	1914	96		101		103		104		105	
LCSD452	1917	97		103		105		103		106	
MYE4H7	1921	104		108		102		105		106	
MYE4H7D	1924	101		106		101		104		106	
MYE4H7L	1927	95		101		102		103		105	
MYE4H7S	1930	100		105		99		104		104	
MYE4H7SRE	1933	98		103		98		102		103	
ZZZZZZ	1936										
ZZZZZZ	1940										
ZZZZZZ	1944										
ZZZZZZ	1947										
ZZZZZZ	1950										
ZZZZZZ	1953										
ZZZZZZ	1956										
ZZZZZZ	1959										
ZZZZZZ	2003										
ZZZZZZ	2006										
ZZZZZZ	2009										
ZZZZZZ	2012										
ZZZZZZ	2015										
ZZZZZZ	2018										
CCV009	2025	96		100		94		104		106	
CCB009	2028	96		102		104		106		107	
ZZZZZZ	2032										
MYE4H7	2034	98		102		102		104		106	
MYE4H7D	2038	97		102		102		104		105	
MYE4H7L	2041	95		101		103		104		106	
MYE4H7S	2044	99		103		104		105		106	
MYE4H7SRE	2047	98		103		105		107		108	
ZZZZZZ	2050										
ZZZZZZ	2053										
ZZZZZZ	2057										
ZZZZZZ	2100										
ZZZZZZ	2103										
ZZZZZZ	2106										

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		Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	2109										
ZZZZZZ	2112										
ZZZZZZ	2116										
ZZZZZZ	2119										
ZZZZZZ	2122										
ZZZZZZ	2125										
ZZZZZZ	2128										
ZZZZZZ	2131										
ZZZZZZ	2135										
ZZZZZZ	2138										
ZZZZZZ	2141										
ZZZZZZ	2144										
ZZZZZZ	2147										
ZZZZZZ	2151										
CCV010	2154	97		100		95		105		108	
CCB010	2158	97		102		105		106		107	
ZZZZZZ	2304										
ZZZZZZ	2307										
MYE4H7ARE	2310	100		104		98		101		104	
ZZZZZZ	2313										
ZZZZZZ	2316										
ZZZZZZ	2319										
ZZZZZZ	2322										
ZZZZZZ	2330										
CCV011	2334	93		96		91		103		104	
CCB011	2338	94		100		103		103		105	