

FORM 14-IN

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51874 MA No.: SDG No.: GCP96
 Instrument ID: P7 Start Date : 11/12/2024
 Run Batch: LB133416 End Date : 11/12/2024

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	1238	100		100		100		100		100	
S02	1245	104		103		102		103		102	
S03	1248	110		108		108		107		108	
S04	1251	110		107		107		106		108	
S05	1254	108		105		106		103		107	
S06	1256	106		103		106		102		107	
S07	1259	103		104		104		100		108	
S08	1302	90		94		94		84		94	
ICV001	1343	103		108		105		104		101	
ICB001	1346	103		109		106		106		103	
ICSA001	1349	95		106		107		100		107	
ICSAB001	1352	90		109		113		104		110	
CCV001	1359	93		111		110		101		108	
CCB001	1402	98		111		111		110		107	
ZZZZZZ	1407										
ZZZZZZ	1410										
ZZZZZZ	1413										
ZZZZZZ	1417										
ZZZZZZ	1420										
ZZZZZZ	1423										
ZZZZZZ	1426										
ZZZZZZ	1430										
ZZZZZZ	1433										
ZZZZZZ	1436										
ZZZZZZ	1439										
ZZZZZZ	1442										
ZZZZZZ	1445										
ZZZZZZ	1448										
ZZZZZZ	1451										
ZZZZZZ	1454										
ZZZZZZ	1457										
ZZZZZZ	1500										
ZZZZZZ	1504										
ZZZZZZ	1507										
ZZZZZZ	1510										
ZZZZZZ	1513										
ZZZZZZ	1516										
ZZZZZZ	1519										

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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	1521										
ZZZZZZ	1524										
ZZZZZZ	1528										
ZZZZZZ	1530										
ZZZZZZ	1533										
ZZZZZZ	1536										
ZZZZZZ	1539										
CCV002	1542	89		104		108		99		110	
CCB002	1545	95		105		107		108		108	
ZZZZZZ	1548										
ZZZZZZ	1551										
ZZZZZZ	1554										
ZZZZZZ	1557										
ZZZZZZ	1600										
ZZZZZZ	1603										
ZZZZZZ	1606										
ZZZZZZ	1610										
ZZZZZZ	1613										
ZZZZZZ	1616										
ZZZZZZ	1619										
ZZZZZZ	1622										
ZZZZZZ	1625										
ZZZZZZ	1628										
ZZZZZZ	1631										
ZZZZZZ	1634										
ZZZZZZ	1637										
ZZZZZZ	1640										
ZZZZZZ	1643										
ZZZZZZ	1646										
ZZZZZZ	1649										
ZZZZZZ	1652										
ZZZZZZ	1655										
ZZZZZZ	1658										
ZZZZZZ	1701										
ZZZZZZ	1704										
CCV003	1707	86		101		106		98		110	
CCB003	1710	91		103		107		108		110	
ZZZZZZ	1713										

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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	1716										
ZZZZZZ	1719										
ZZZZZZ	1722										
ZZZZZZ	1725										
ZZZZZZ	1728										
ZZZZZZ	1731										
ZZZZZZ	1734										
ZZZZZZ	1737										
ZZZZZZ	1740										
ZZZZZZ	1743										
ZZZZZZ	1746										
ZZZZZZ	1749										
ZZZZZZ	1752										
ZZZZZZ	1755										
ZZZZZZ	1758										
ZZZZZZ	1801										
ZZZZZZ	1805										
ZZZZZZ	1808										
ZZZZZZ	1811										
ZZZZZZ	1814										
ZZZZZZ	1817										
ZZZZZZ	1820										
ZZZZZZ	1823										
ZZZZZZ	1826										
ZZZZZZ	1829										
ZZZZZZ	1833										
ZZZZZZ	1836										
CCV004	1839	90		100		103		96		107	
CCB004	1842	98		106		109		109		111	
ZZZZZZ	1845										
ZZZZZZ	1848										
ZZZZZZ	1851										
ZZZZZZ	1854										
ZZZZZZ	1857										
ZZZZZZ	1900										
ZZZZZZ	1912										
ZZZZZZ	1915										
ZZZZZZ	1919										

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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	1922										
ZZZZZZ	1925										
ZZZZZZ	1928										
ZZZZZZ	1931										
ZZZZZZ	1934										
ZZZZZZ	1937										
PBW829	1941	87		104		108		109		109	
LCS829	1944	90		105		109		109		110	
GCP96	1948	93		108		112		109		112	
GCP96D	1951	98		111		114		111		115	
GCP96L	1954	97		108		111		110		111	
GCP96S	1957	99		110		114		111		114	
GCP97	2000	95		109		112		109		112	
GCP98	2003	100		110		113		110		113	
GCP99	2007	102		112		114		111		113	
GCPA0	2010	98		111		114		113		112	
GCPA1	2013	97		107		110		109		111	
GCPA1	2016	95		107		111		109		110	
CCV005	2019	91		104		105		97		106	
CCB005	2022	99		106		108		107		108	
GCPA1	2025	101		110		111		111		110	
GCPA1	2028	101		111		113		111		111	
ZZZZZZ	2031										
ZZZZZZ	2039										
ZZZZZZ	2042										
ZZZZZZ	2045										
ZZZZZZ	2048										
ZZZZZZ	2052										
ZZZZZZ	2055										
ZZZZZZ	2058										
ZZZZZZ	2101										
ZZZZZZ	2104										
ZZZZZZ	2107										
ZZZZZZ	2110										
ZZZZZZ	2113										
ZZZZZZ	2116										
ZZZZZZ	2119										
ZZZZZZ	2122										

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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	2125										
ZZZZZZ	2128										
ZZZZZZ	2131										
ZZZZZZ	2134										
ZZZZZZ	2138										
ZZZZZZ	2141										
ZZZZZZ	2144										
ZZZZZZ	2147										
ZZZZZZ	2150										
ZZZZZZ	2153										
CCV006	2158	87		102		104		97		107	
CCB006	2203	96		107		109		109		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	1238	100		100		100		100		100	
S02	1245	104		102		102		103		102	
S03	1248	106		106		107		107		106	
S04	1251	106		106		105		108		106	
S05	1254	102		103		100		106		105	
S06	1256	104		102		100		107		105	
S07	1259	104		104		99		107		107	
S08	1302	102		102		89		99		99	
ICV001	1343	110		109		107		105		104	
ICB001	1346	111		109		108		106		104	
ICSA001	1349	111		110		104		109		107	
ICSAB001	1352	114		113		107		111		109	
CCV001	1359	113		112		101		108		107	
CCB001	1402	112		112		111		108		107	
ZZZZZZ	1407										
ZZZZZZ	1410										
ZZZZZZ	1413										
ZZZZZZ	1417										
ZZZZZZ	1420										
ZZZZZZ	1423										
ZZZZZZ	1426										
ZZZZZZ	1430										
ZZZZZZ	1433										
ZZZZZZ	1436										
ZZZZZZ	1439										
ZZZZZZ	1442										
ZZZZZZ	1445										
ZZZZZZ	1448										
ZZZZZZ	1451										
ZZZZZZ	1454										
ZZZZZZ	1457										
ZZZZZZ	1500										
ZZZZZZ	1504										
ZZZZZZ	1507										
ZZZZZZ	1510										
ZZZZZZ	1513										
ZZZZZZ	1516										
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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
ZZZZZZ	1521										
ZZZZZZ	1524										
ZZZZZZ	1528										
ZZZZZZ	1530										
ZZZZZZ	1533										
ZZZZZZ	1536										
ZZZZZZ	1539										
CCV002	1542	104		105		98		106		104	
CCB002	1545	107		108		109		108		107	
ZZZZZZ	1548										
ZZZZZZ	1551										
ZZZZZZ	1554										
ZZZZZZ	1557										
ZZZZZZ	1600										
ZZZZZZ	1603										
ZZZZZZ	1606										
ZZZZZZ	1610										
ZZZZZZ	1613										
ZZZZZZ	1616										
ZZZZZZ	1619										
ZZZZZZ	1622										
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ZZZZZZ	1637										
ZZZZZZ	1640										
ZZZZZZ	1643										
ZZZZZZ	1646										
ZZZZZZ	1649										
ZZZZZZ	1652										
ZZZZZZ	1655										
ZZZZZZ	1658										
ZZZZZZ	1701										
ZZZZZZ	1704										
CCV003	1707	103		104		98		107		106	
CCB003	1710	103		107		109		109		106	
ZZZZZZ	1713										

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
ZZZZZZ	1716										
ZZZZZZ	1719										
ZZZZZZ	1722										
ZZZZZZ	1725										
ZZZZZZ	1728										
ZZZZZZ	1731										
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ZZZZZZ	1737										
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ZZZZZZ	1743										
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ZZZZZZ	1801										
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ZZZZZZ	1814										
ZZZZZZ	1817										
ZZZZZZ	1820										
ZZZZZZ	1823										
ZZZZZZ	1826										
ZZZZZZ	1829										
ZZZZZZ	1833										
ZZZZZZ	1836										
CCV004	1839	101		101		95		104		102	
CCB004	1842	104		106		107		108		106	
ZZZZZZ	1845										
ZZZZZZ	1848										
ZZZZZZ	1851										
ZZZZZZ	1854										
ZZZZZZ	1857										
ZZZZZZ	1900										
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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
ZZZZZZ	1922										
ZZZZZZ	1925										
ZZZZZZ	1928										
ZZZZZZ	1931										
ZZZZZZ	1934										
ZZZZZZ	1937										
PBW829	1941	106		107		109		109		107	
LCS829	1944	105		105		107		107		105	
GCP96	1948	107		109		108		109		108	
GCP96D	1951	110		110		110		111		109	
GCP96L	1954	106		108		109		110		107	
GCP96S	1957	108		109		109		111		109	
GCP97	2000	108		108		107		110		107	
GCP98	2003	108		109		108		110		108	
GCP99	2007	110		110		108		109		107	
GCPA0	2010	108		110		110		110		107	
GCPA1	2013	104		107		108		108		105	
GCPA1	2016	105		107		109		109		107	
CCV005	2019	102		103		95		103		102	
CCB005	2022	107		109		110		108		108	
GCPA1	2025	109		109		111		109		108	
GCPA1	2028	110		110		111		109		108	
ZZZZZZ	2031										
ZZZZZZ	2039										
ZZZZZZ	2042										
ZZZZZZ	2045										
ZZZZZZ	2048										
ZZZZZZ	2052										
ZZZZZZ	2055										
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ZZZZZZ	2101										
ZZZZZZ	2104										
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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
ZZZZZZ	2125										
ZZZZZZ	2128										
ZZZZZZ	2131										
ZZZZZZ	2134										
ZZZZZZ	2138										
ZZZZZZ	2141										
ZZZZZZ	2144										
ZZZZZZ	2147										
ZZZZZZ	2150										
ZZZZZZ	2153										
CCV006	2158	102		102		95		104		102	
CCB006	2203	105		106		107		108		105	