

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.: MYE4B0
 Instrument ID: P7 Start Date : 10/30/2024
 Run Batch: LB133210 End Date : 10/31/2024

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	1218	100		100		100		100		100	
S02	1225	92		94		93		95		94	
S03	1228	93		93		94		95		94	
S04	1231	100		94		95		95		97	
S05	1234	107		95		95		95		100	
S06	1237	115		94		96		95		101	
S07	1240	116		93		96		94		104	
S08	1243	116		94		94		88		104	
ICV007	1259	103		94		93		94		96	
ICB007	1304	109		98		98		100		101	
ICSA007	1307	106		95		94		92		100	
ICSAB007	1310	109		96		98		95		104	
CCV035	1313	106		98		99		94		104	
CCB035	1316	104		98		100		101		104	
ZZZZZZ	1319										
ZZZZZZ	1323										
ZZZZZZ	1326										
ZZZZZZ	1329										
ZZZZZZ	1333										
ZZZZZZ	1336										
ZZZZZZ	1339										
ZZZZZZ	1342										
ZZZZZZ	1348										
ZZZZZZ	1351										
ZZZZZZ	1354										
CCV036	1357	108		98		100		96		105	
CCB036	1400	106		99		100		101		105	
ZZZZZZ	1405										
ZZZZZZ	1412										
ZZZZZZ	1415										
ZZZZZZ	1424										
ZZZZZZ	1428										
ZZZZZZ	1431										
ZZZZZZ	1434										
ZZZZZZ	1437										
ZZZZZZ	1441										
ZZZZZZ	1444										
ZZZZZZ	1447										

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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	1450										
ZZZZZZ	1454										
ZZZZZZ	1457										
ZZZZZZ	1500										
ZZZZZZ	1503										
ZZZZZZ	1506										
ZZZZZZ	1509										
ZZZZZZ	1512										
ZZZZZZ	1515										
ZZZZZZ	1519										
ZZZZZZ	1522										
ZZZZZZ	1525										
CCV037	1528	102		101		104		98		108	
CCB037	1531	97		101		102		103		104	
ZZZZZZ	1534										
ZZZZZZ	1537										
ZZZZZZ	1541										
ZZZZZZ	1544										
ZZZZZZ	1547										
ZZZZZZ	1550										
ZZZZZZ	1553										
ZZZZZZ	1556										
ZZZZZZ	1600										
ZZZZZZ	1603										
ZZZZZZ	1606										
ZZZZZZ	1609										
ZZZZZZ	1612										
ZZZZZZ	1615										
ZZZZZZ	1619										
ZZZZZZ	1622										
ZZZZZZ	1625										
ZZZZZZ	1628										
ZZZZZZ	1631										
ZZZZZZ	1634										
ZZZZZZ	1638										
ZZZZZZ	1641										
ZZZZZZ	1644										
ZZZZZZ	1647										

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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	1650										
ZZZZZZ	1653										
CCV038	1657	106		99		101		96		107	
CCB038	1659	105		101		101		102		106	
ZZZZZZ	1703										
ZZZZZZ	1706										
ZZZZZZ	1709										
ZZZZZZ	1712										
ZZZZZZ	1715										
ZZZZZZ	1719										
ZZZZZZ	1722										
ZZZZZZ	1725										
ZZZZZZ	1728										
ZZZZZZ	1731										
ZZZZZZ	1734										
ZZZZZZ	1738										
ZZZZZZ	1741										
ZZZZZZ	1744										
ZZZZZZ	1747										
ZZZZZZ	1750										
ZZZZZZ	1753										
ZZZZZZ	1756										
ZZZZZZ	1800										
ZZZZZZ	1803										
ZZZZZZ	1806										
ZZZZZZ	1809										
ZZZZZZ	1812										
ZZZZZZ	1816										
ZZZZZZ	1819										
ZZZZZZ	1822										
CCV039	1825	100		95		98		94		104	
CCB039	1828	103		97		99		100		104	
ZZZZZZ	1831										
ZZZZZZ	1834										
ZZZZZZ	1837										
ZZZZZZ	1841										
ZZZZZZ	1844										
ZZZZZZ	1847										

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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	1850										
ZZZZZZ	1853										
ZZZZZZ	1856										
ZZZZZZ	1900										
ZZZZZZ	1903										
ZZZZZZ	1906										
ZZZZZZ	1909										
ZZZZZZ	1913										
ZZZZZZ	1916										
ZZZZZZ	1919										
ZZZZZZ	1922										
ZZZZZZ	1925										
ZZZZZZ	1929										
ZZZZZZ	1932										
ZZZZZZ	1935										
ZZZZZZ	1938										
ZZZZZZ	1941										
ZZZZZZ	1945										
PBS430	1954	96		96		98		99		100	
LCS430	1957	96		96		98		99		101	
CCV040	2001	105		96		98		93		103	
CCB040	2003	108		96		97		99		104	
LCSD430	2007	106		97		97		99		103	
ZZZZZZ	2010										
ZZZZZZ	2013										
ZZZZZZ	2017										
MYE4C1	2020	99		103		105		98		102	
MYE4C1D	2023	96		100		103		98		104	
MYE4C1L	2026	100		97		99		99		101	
MYE4C1S	2029	98		99		101		95		101	
MYE4C1SRE	2033	101		99		101		95		102	
ZZZZZZ	2036										
ZZZZZZ	2039										
ZZZZZZ	2042										
ZZZZZZ	2045										
ZZZZZZ	2048										
ZZZZZZ	2051										
ZZZZZZ	2055										

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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Contract: 68HERH20D0011

MA No.: SDG No.: MYE4B0

Start Date : 10/30/2024

End Date : 10/31/2024

[illegible]

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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EPA Sample No.	Time	Internal Standard %RI For: Non-Collision Cell									
		Element		Element		Element		Element		Element	
		6Li	Q	45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q
CCV042	2300	108		89		91		88		101	
CCB042	2303	111		92		94		97		102	
ZZZZZZ	2306										
ZZZZZZ	2309										
ZZZZZZ	2312										
ZZZZZZ	2315										
ZZZZZZ	2319										
ZZZZZZ	2322										
ZZZZZZ	2325										
ZZZZZZ	2328										
ZZZZZZ	2331										
ZZZZZZ	2335										
ZZZZZZ	2338										
ZZZZZZ	2341										
ZZZZZZ	2344										
ZZZZZZ	2347										
ZZZZZZ	2350										
ZZZZZZ	2354										
ZZZZZZ	2357										
ZZZZZZ	0000										
ZZZZZZ	0003										
ICSA008	0006	101		92		95		92		103	
ICSAB008	0010	105		94		97		94		105	
CCV043	0013	109		89		91		88		102	
CCB043	0016	118		93		96		98		107	
ZZZZZZ	0019										
ZZZZZZ	0022										
ZZZZZZ	0025										
ZZZZZZ	0028										
ZZZZZZ	0032										
ZZZZZZ	0035										
ZZZZZZ	0038										
ZZZZZZ	0041										
MYE4C1	0044	101		90		92		92		100	
MYE4C1D	0048	101		90		93		93		100	
MYE4C1L	0051	104		91		95		95		102	
MYE4C1S	0054	104		92		94		95		102	
MYE4C1SRE	0057	105		92		94		94		102	

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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Instrument ID: <u>P7</u>	Start Date : <u>10/30/2024</u>
Run Batch: <u>LB133210</u>	End Date : <u>10/31/2024</u>

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	0101										
ZZZZZZ	0104										
ZZZZZZ	0107										
ZZZZZZ	0110										
ZZZZZZ	0114										
ZZZZZZ	0117										
ZZZZZZ	0120										
ZZZZZZ	0124										
ZZZZZZ	0127										
ZZZZZZ	0130										
MYE4C1ARE	0133	100		91		93		90		98	
ZZZZZZ	0137										
ZZZZZZ	0140										
CCV044	0149	111		88		91		86		102	
CCB044	0152	111		90		92		95		103	

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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	1218	100		100		100		100		100	
S02	1225	98		98		96		96		97	
S03	1228	98		98		96		98		99	
S04	1231	96		98		97		100		100	
S05	1234	95		97		96		103		103	
S06	1237	93		96		94		103		105	
S07	1240	93		96		94		104		106	
S08	1243	95		97		90		103		105	
ICV007	1259	91		93		93		95		96	
ICB007	1304	98		100		100		102		103	
ICSA007	1307	95		98		93		102		105	
ICSAB007	1310	98		101		98		105		108	
CCV035	1313	96		98		92		102		103	
CCB035	1316	100		102		101		105		105	
ZZZZZZ	1319										
ZZZZZZ	1323										
ZZZZZZ	1326										
ZZZZZZ	1329										
ZZZZZZ	1333										
ZZZZZZ	1336										
ZZZZZZ	1339										
ZZZZZZ	1342										
ZZZZZZ	1348										
ZZZZZZ	1351										
ZZZZZZ	1354										
CCV036	1357	99		100		95		106		108	
CCB036	1400	99		102		101		103		106	
ZZZZZZ	1405										
ZZZZZZ	1412										
ZZZZZZ	1415										
ZZZZZZ	1424										
ZZZZZZ	1428										
ZZZZZZ	1431										
ZZZZZZ	1434										
ZZZZZZ	1437										
ZZZZZZ	1441										
ZZZZZZ	1444										
ZZZZZZ	1447										

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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
ZZZZZZ	1450										
ZZZZZZ	1454										
ZZZZZZ	1457										
ZZZZZZ	1500										
ZZZZZZ	1503										
ZZZZZZ	1506										
ZZZZZZ	1509										
ZZZZZZ	1512										
ZZZZZZ	1515										
ZZZZZZ	1519										
ZZZZZZ	1522										
ZZZZZZ	1525										
CCV037	1528	102		103		97		105		108	
CCB037	1531	101		104		103		105		107	
ZZZZZZ	1534										
ZZZZZZ	1537										
ZZZZZZ	1541										
ZZZZZZ	1544										
ZZZZZZ	1547										
ZZZZZZ	1550										
ZZZZZZ	1553										
ZZZZZZ	1556										
ZZZZZZ	1600										
ZZZZZZ	1603										
ZZZZZZ	1606										
ZZZZZZ	1609										
ZZZZZZ	1612										
ZZZZZZ	1615										
ZZZZZZ	1619										
ZZZZZZ	1622										
ZZZZZZ	1625										
ZZZZZZ	1628										
ZZZZZZ	1631										
ZZZZZZ	1634										
ZZZZZZ	1638										
ZZZZZZ	1641										
ZZZZZZ	1644										
ZZZZZZ	1647										

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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
ZZZZZZ	1650										
ZZZZZZ	1653										
CCV038	1657	98		101		96		105		107	
CCB038	1659	96		100		100		103		104	
ZZZZZZ	1703										
ZZZZZZ	1706										
ZZZZZZ	1709										
ZZZZZZ	1712										
ZZZZZZ	1715										
ZZZZZZ	1719										
ZZZZZZ	1722										
ZZZZZZ	1725										
ZZZZZZ	1728										
ZZZZZZ	1731										
ZZZZZZ	1734										
ZZZZZZ	1738										
ZZZZZZ	1741										
ZZZZZZ	1744										
ZZZZZZ	1747										
ZZZZZZ	1750										
ZZZZZZ	1753										
ZZZZZZ	1756										
ZZZZZZ	1800										
ZZZZZZ	1803										
ZZZZZZ	1806										
ZZZZZZ	1809										
ZZZZZZ	1812										
ZZZZZZ	1816										
ZZZZZZ	1819										
ZZZZZZ	1822										
CCV039	1825	94		99		94		104		107	
CCB039	1828	93		99		99		102		105	
ZZZZZZ	1831										
ZZZZZZ	1834										
ZZZZZZ	1837										
ZZZZZZ	1841										
ZZZZZZ	1844										
ZZZZZZ	1847										

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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
ZZZZZZ	1850										
ZZZZZZ	1853										
ZZZZZZ	1856										
ZZZZZZ	1900										
ZZZZZZ	1903										
ZZZZZZ	1906										
ZZZZZZ	1909										
ZZZZZZ	1913										
ZZZZZZ	1916										
ZZZZZZ	1919										
ZZZZZZ	1922										
ZZZZZZ	1925										
ZZZZZZ	1929										
ZZZZZZ	1932										
ZZZZZZ	1935										
ZZZZZZ	1938										
ZZZZZZ	1941										
ZZZZZZ	1945										
PBS430	1954	92		99		99		99		101	
LCS430	1957	89		95		94		97		98	
CCV040	2001	92		98		91		104		106	
CCB040	2003	91		98		98		104		104	
LCSD430	2007	91		99		99		102		105	
ZZZZZZ	2010										
ZZZZZZ	2013										
ZZZZZZ	2017										
MYE4C1	2020	101		105		97		101		102	
MYE4C1D	2023	91		96		90		92		95	
MYE4C1L	2026	93		99		97		101		102	
MYE4C1S	2029	96		102		96		101		102	
MYE4C1SRE	2033	94		100		96		101		103	
ZZZZZZ	2036										
ZZZZZZ	2039										
ZZZZZZ	2042										
ZZZZZZ	2045										
ZZZZZZ	2048										
ZZZZZZ	2051										
ZZZZZZ	2055										

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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
ZZZZZZ	2058										
ZZZZZZ	2101										
ZZZZZZ	2104										
ZZZZZZ	2107										
ZZZZZZ	2110										
ZZZZZZ	2114										
MYE4B0	2117	98		105		97		101		104	
MYE4B1	2120	97		104		96		101		102	
MYE4B2	2123	95		101		95		99		102	
MYE4B3	2127	95		102		97		100		104	
CCV041	2130	91		97		92		102		107	
CCB041	2133	90		97		98		103		104	
MYE4B4	2136	100		105		98		101		103	
MYE4B5	2139	100		105		97		101		103	
MYE4B6	2142	97		103		97		100		102	
MYE4B7	2145	97		104		97		100		103	
MYE4B8	2149	95		103		95		99		102	
MYE4B9	2152	95		101		94		99		102	
MYE4C0	2155	96		103		96		100		102	
MYE4C2	2158	95		102		96		101		102	
MYE4C3	2201	94		101		96		99		102	
MYE4C4	2205	93		100		95		98		101	
MYE4C5	2208	94		102		95		99		102	
MYE4C6	2211	92		99		94		99		102	
MYE4C7	2214	93		100		95		99		102	
MYE4C8	2217	93		101		96		99		102	
MYE4C9	2221	92		100		94		99		100	
ZZZZZZ	2224										
ZZZZZZ	2227										
ZZZZZZ	2230										
ZZZZZZ	2233										
ZZZZZZ	2236										
ZZZZZZ	2240										
ZZZZZZ	2243										
ZZZZZZ	2246										
ZZZZZZ	2250										
ZZZZZZ	2253										
ZZZZZZ	2257										

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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
CCV042	2300	85		93		89		101		106	
CCB042	2303	86		94		97		103		105	
ZZZZZZ	2306										
ZZZZZZ	2309										
ZZZZZZ	2312										
ZZZZZZ	2315										
ZZZZZZ	2319										
ZZZZZZ	2322										
ZZZZZZ	2325										
ZZZZZZ	2328										
ZZZZZZ	2331										
ZZZZZZ	2335										
ZZZZZZ	2338										
ZZZZZZ	2341										
ZZZZZZ	2344										
ZZZZZZ	2347										
ZZZZZZ	2350										
ZZZZZZ	2354										
ZZZZZZ	2357										
ZZZZZZ	0000										
ZZZZZZ	0003										
ICSA008	0006	89		97		95		104		106	
ICSAB008	0010	88		97		94		105		107	
CCV043	0013	85		91		89		103		106	
CCB043	0016	84		93		98		104		106	
ZZZZZZ	0019										
ZZZZZZ	0022										
ZZZZZZ	0025										
ZZZZZZ	0028										
ZZZZZZ	0032										
ZZZZZZ	0035										
ZZZZZZ	0038										
ZZZZZZ	0041										
MYE4C1	0044	85		95		94		101		105	
MYE4C1D	0048	85		94		94		101		104	
MYE4C1L	0051	84		94		95		99		103	
MYE4C1S	0054	86		95		94		102		103	
MYE4C1SRE	0057	81		90		90		97		99	

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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
ZZZZZZ	0101										
ZZZZZZ	0104										
ZZZZZZ	0107										
ZZZZZZ	0110										
ZZZZZZ	0114										
ZZZZZZ	0117										
ZZZZZZ	0120										
ZZZZZZ	0124										
ZZZZZZ	0127										
ZZZZZZ	0130										
MYE4C1ARE	0133	88		96		92		100		102	
ZZZZZZ	0137										
ZZZZZZ	0140										
CCV044	0149	83		91		88		102		106	
CCB044	0152	83		91		95		103		103	