

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.: MYE450
 Instrument ID: P7 Start Date : 10/30/2024
 Run Batch: LB133210 End Date : 10/30/2024

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	
PBS345	1405	106		101		101		102		105	
LCSD345	1412	105		100		101		102		105	
ZZZZZZ	1415										
ZZZZZZ	1424										
ZZZZZZ	1428										
ZZZZZZ	1431										
ZZZZZZ	1434										
ZZZZZZ	1437										
LCS345	1441	101		101		100		102		103	
MYE453	1444	100		104		104		97		101	
MYE453D	1447	104		100		100		93		99	

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		Element	Q	Element	Q	Element	Q	Element	Q	Element	Q
		6Li		45Sc		89Y		103Rh		159Tb	
MYE453L	1450	105		97		98		97		101	
MYE453S	1454	106		105		105		98		104	
MYE453SRE	1457	105		102		103		96		104	
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										
MYE450	1537	91		99		102		93		99	
MYE451	1541	94		103		106		99		104	
MYE452	1544	94		102		104		96		102	
MYE454	1547	96		103		104		98		103	
MYE455	1550	95		101		104		97		103	
MYE456	1553	98		104		103		98		102	
MYE457	1556	99		101		103		96		102	
MYE458	1600	102		103		103		97		103	
MYE459	1603	102		102		104		97		103	
MYE460	1606	100		101		103		97		103	
MYE461	1609	99		101		100		98		103	
MYE462	1612	98		99		102		94		100	
MYE463	1615	99		101		101		95		101	
MYE464	1619	99		100		101		95		100	
MYE465	1622	100		101		103		96		102	
MYE466	1625	100		100		102		96		102	
MYE467	1628	97		100		102		96		102	
MYE468	1631	96		102		104		96		102	
MYE469	1634	93		101		104		95		99	
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										

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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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
MYE453	1850	93		92		95		94		99	
MYE453D	1853	96		93		95		94		99	
MYE453L	1856	95		91		92		94		97	
MYE453S	1900	98		92		94		94		98	
MYE453SRE	1903	99		93		95		93		98	
ZZZZZZ	1906										
ZZZZZZ	1909										
ZZZZZZ	1913										
ZZZZZZ	1916										
ZZZZZZ	1919										
ZZZZZZ	1922										
ZZZZZZ	1925										
ZZZZZZ	1929										
ZZZZZZ	1932										
ZZZZZZ	1935										
MYE453ARE	1938	99		96		98		92		99	
ZZZZZZ	1941										
ZZZZZZ	1945										
ZZZZZZ	1954										
ZZZZZZ	1957										
CCV040	2001	105		96		98		93		103	
CCB040	2003	108		96		97		99		104	

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 Run Batch: LB133210 End Date : 10/30/2024

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	
PBS345	1405	98		102		102		104		106	
LCSD345	1412	99		103		101		104		106	
ZZZZZZ	1415										
ZZZZZZ	1424										
ZZZZZZ	1428										
ZZZZZZ	1431										
ZZZZZZ	1434										
ZZZZZZ	1437										
LCS345	1441	100		101		100		101		103	
MYE453	1444	101		104		96		101		104	
MYE453D	1447	102		104		97		102		104	

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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
MYE453L	1450	93		97		95		99		101	
MYE453S	1454	101		105		97		104		106	
MYE453SRE	1457	100		104		97		104		105	
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										
MYE450	1537	105		108		99		103		104	
MYE451	1541	104		108		99		103		104	
MYE452	1544	105		109		100		104		105	
MYE454	1547	102		106		99		101		103	
MYE455	1550	102		106		98		102		103	
MYE456	1553	103		105		98		104		105	
MYE457	1556	102		106		99		104		104	
MYE458	1600	101		107		99		104		105	
MYE459	1603	101		106		98		104		104	
MYE460	1606	101		104		99		102		105	
MYE461	1609	99		103		97		102		104	
MYE462	1612	102		106		98		102		104	
MYE463	1615	101		103		98		102		104	
MYE464	1619	100		105		97		102		104	
MYE465	1622	100		104		97		101		104	
MYE466	1625	99		105		98		102		103	
MYE467	1628	99		104		96		102		104	
MYE468	1631	101		106		98		101		103	
MYE469	1634	103		107		98		102		104	
ZZZZZZ	1638										
ZZZZZZ	1641										
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		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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Run Batch: <u>LB133210</u>	End Date : <u>10/30/2024</u>

EPA Sample No.	Time	Internal Standard %RI For: Collision Cell									
		Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
MYE453	1850	90		97		95		99		101	
MYE453D	1853	89		95		94		98		101	
MYE453L	1856	89		94		95		98		99	
MYE453S	1900	90		97		95		100		101	
MYE453SRE	1903	85		91		90		95		97	
ZZZZZZ	1906										
ZZZZZZ	1909										
ZZZZZZ	1913										
ZZZZZZ	1916										
ZZZZZZ	1919										
ZZZZZZ	1922										
ZZZZZZ	1925										
ZZZZZZ	1929										
ZZZZZZ	1932										
ZZZZZZ	1935										
MYE453ARE	1938	93		101		94		101		103	
ZZZZZZ	1941										
ZZZZZZ	1945										
ZZZZZZ	1954										
ZZZZZZ	1957										
CCV040	2001	92		98		91		104		106	
CCB040	2003	91		98		98		104		104	