

FORM 14-IN

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51779 MA No.: SDG No.: MYCYZ9
 Instrument ID: P7 Start Date : 12/19/2024
 Run Batch: LB134025 End Date : 12/19/2024

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
S0	1504	100		100		100		100		100	
S02	1510	102		103		103		103		102	
S03	1514	104		102		102		101		103	
S04	1517	101		96		96		96		101	
S05	1519	99		87		89		88		97	
S06	1522	97		82		85		83		96	
S07	1525	95		82		86		82		97	
S08	1528	94		84		86		78		96	
ICV003	1549	104		95		95		96		100	
ICB003	1607	105		97		98		99		102	
ICSA003	1610	98		91		94		89		102	
ICSAB003	1613	97		92		96		90		104	
CCV021	1616	95		89		92		86		101	
CCB021	1619	99		90		93		93		101	
ZZZZZZ	1626										
ZZZZZZ	1635										
ZZZZZZ	1639										
ZZZZZZ	1643										
ZZZZZZ	1646										
ZZZZZZ	1649										
ZZZZZZ	1652										
ZZZZZZ	1655										
CCV022	1701	98		85		88		82		97	
CCB022	1703	100		86		89		90		98	
ZZZZZZ	1707										
ZZZZZZ	1711										
ZZZZZZ	1714										
CCV023	1720	99		88		89		83		98	
CCB023	1723	101		87		90		91		98	
PBS617	1740	98		94		94		95		99	
LCS617	1802	102		100		100		100		103	
LCSD617	1806	102		100		100		100		103	
ZZZZZZ	1809										
ZZZZZZ	1812										
ZZZZZZ	1816										
ZZZZZZ	1819										
ZZZZZZ	1822										
ZZZZZZ	1825										

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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	1829										
ZZZZZZ	1832										
ZZZZZZ	1835										
ZZZZZZ	1838										
ZZZZZZ	1841										
ZZZZZZ	1853										
ZZZZZZ	1856										
CCV024	1859	96		90		92		86		100	
CCB024	1902	102		93		95		96		101	
ZZZZZZ	1905										
ZZZZZZ	1908										
ZZZZZZ	1911										
MYCZ9	1914	103		104		112		99		107	
MYCZ00	1918	103		104		112		99		107	
MYCZ01	1921	105		104		111		98		108	
MYCZ02	1924	104		102		110		97		106	
MYCZ03	1927	105		103		112		97		106	
MYCZ04	1930	105		103		109		99		107	
MYCZ05	1933	104		104		111		97		105	
MYCZ06	1936	103		101		107		98		105	
MYCZ07	1939	104		104		110		98		107	
MYCZ08	1942	108		105		114		101		109	
MYCZ09	1946	105		102		110		98		106	
MYCZ10	1949	105		102		109		98		106	
MYCZ11	1952	105		102		107		98		105	
MYCZ12	1955	105		103		113		97		105	
MYCZ13	1958	104		101		105		97		105	
MYCZ14	2001	103		101		108		97		104	
MYCZ15	2004	104		100		107		96		104	
MYCZ16	2007	105		101		109		97		105	
MYCZ17	2010	104		101		109		97		105	
MYCZ18	2014	104		102		111		98		106	
MYCZ18D	2017	106		101		109		96		105	
MYCZ18L	2020	104		99		102		101		106	
MYCZ18S	2023	102		101		108		96		104	
MYCZ18SRE	2026	102		99		107		96		105	
ZZZZZZ	2029										
ZZZZZZ	2032										

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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	2035										
ZZZZZZ	2038										
ZZZZZZ	2041										
CCV025	2044	94		90		91		85		97	
CCB025	2052	101		97		98		99		102	
ZZZZZZ	2056										
ZZZZZZ	2059										
ZZZZZZ	2102										
ZZZZZZ	2105										
ZZZZZZ	2108										
ZZZZZZ	2111										
ZZZZZZ	2114										
ZZZZZZ	2117										
ZZZZZZ	2120										
ZZZZZZ	2123										
ZZZZZZ	2126										
ZZZZZZ	2129										
ZZZZZZ	2132										
ZZZZZZ	2135										
ZZZZZZ	2139										
ZZZZZZ	2142										
ZZZZZZ	2145										
ZZZZZZ	2148										
ZZZZZZ	2151										
ZZZZZZ	2154										
ZZZZZZ	2157										
ZZZZZZ	2200										
ZZZZZZ	2203										
ZZZZZZ	2206										
ZZZZZZ	2209										
ZZZZZZ	2212										
CCV026	2221	100		92		93		87		101	
CCB026	2224	103		93		95		94		102	
ZZZZZZ	2227										
ZZZZZZ	2230										
ZZZZZZ	2234										
ZZZZZZ	2237										
ZZZZZZ	2240										

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
ZZZZZZ	2243										
ZZZZZZ	2246										
ZZZZZZ	2249										
ZZZZZZ	2252										
ZZZZZZ	2256										
ZZZZZZ	2259										
ZZZZZZ	2302										
ZZZZZZ	2305										
ZZZZZZ	2308										
ZZZZZZ	2311										
ZZZZZZ	2314										
ZZZZZZ	2317										
MYCZ18	2320	102		99		101		98		104	
MYCZ18D	2324	102		98		101		98		104	
MYCZ18L	2327	100		98		99		99		103	
MYCZ18S	2330	102		99		102		99		104	
MYCZ18SRE	2333	99		96		100		97		103	
ZZZZZZ	2336										
ZZZZZZ	2339										
ZZZZZZ	2342										
ZZZZZZ	2346										
CCV027	2349	96		90		92		85		100	
CCB027	2351	101		92		94		95		102	

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 Instrument ID: P7 Start Date : 12/19/2024
 Run Batch: LB134025 End Date : 12/19/2024

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	1504	100		100		100		100		100	
S02	1510	103		103		103		103		103	
S03	1514	99		100		100		102		103	
S04	1517	90		92		93		98		101	
S05	1519	81		86		87		97		98	
S06	1522	80		85		85		97		99	
S07	1525	81		86		85		98		100	
S08	1528	87		89		82		96		98	
ICV003	1549	95		97		98		104		104	
ICB003	1607	98		100		100		103		104	
ICSA003	1610	88		94		91		103		104	
ICSAB003	1613	88		93		90		102		103	
CCV021	1616	87		91		86		100		101	
CCB021	1619	89		94		96		102		103	
ZZZZZZ	1626										
ZZZZZZ	1635										
ZZZZZZ	1639										
ZZZZZZ	1643										
ZZZZZZ	1646										
ZZZZZZ	1649										
ZZZZZZ	1652										
ZZZZZZ	1655										
CCV022	1701	84		88		84		98		100	
CCB022	1703	87		92		95		102		103	
ZZZZZZ	1707										
ZZZZZZ	1711										
ZZZZZZ	1714										
CCV023	1720	83		87		83		98		98	
CCB023	1723	87		92		95		101		102	
PBS617	1740	93		96		97		101		102	
LCS617	1802	100		102		102		103		104	
LCSD617	1806	100		102		103		104		105	
ZZZZZZ	1809										
ZZZZZZ	1812										
ZZZZZZ	1816										
ZZZZZZ	1819										
ZZZZZZ	1822										
ZZZZZZ	1825										

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 Run Batch: LB134025 End Date : 12/19/2024

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
ZZZZZZ	1829										
ZZZZZZ	1832										
ZZZZZZ	1835										
ZZZZZZ	1838										
ZZZZZZ	1841										
ZZZZZZ	1853										
ZZZZZZ	1856										
CCV024	1859	88		91		86		100		102	
CCB024	1902	91		96		98		103		104	
ZZZZZZ	1905										
ZZZZZZ	1908										
ZZZZZZ	1911										
MYCYZ9	1914	102		112		100		108		109	
MYCZ00	1918	101		111		99		107		107	
MYCZ01	1921	100		110		99		106		108	
MYCZ02	1924	100		109		98		106		107	
MYCZ03	1927	100		110		97		106		107	
MYCZ04	1930	100		108		99		106		107	
MYCZ05	1933	100		108		97		104		106	
MYCZ06	1936	99		107		99		105		106	
MYCZ07	1939	100		109		98		105		107	
MYCZ08	1942	100		111		100		107		109	
MYCZ09	1946	98		107		97		105		108	
MYCZ10	1949	101		110		100		107		107	
MYCZ11	1952	99		107		99		105		106	
MYCZ12	1955	99		111		97		104		105	
MYCZ13	1958	98		104		98		104		105	
MYCZ14	2001	97		106		96		105		105	
MYCZ15	2004	97		106		97		105		106	
MYCZ16	2007	98		108		97		106		107	
MYCZ17	2010	100		107		99		104		107	
MYCZ18	2014	97		107		97		104		106	
MYCZ18D	2017	97		106		96		104		106	
MYCZ18L	2020	94		98		97		103		102	
MYCZ18S	2023	96		107		96		103		104	
MYCZ18SRE	2026	93		104		95		103		106	
ZZZZZZ	2029										
ZZZZZZ	2032										

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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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
ZZZZZZ	2243										
ZZZZZZ	2246										
ZZZZZZ	2249										
ZZZZZZ	2252										
ZZZZZZ	2256										
ZZZZZZ	2259										
ZZZZZZ	2302										
ZZZZZZ	2305										
ZZZZZZ	2308										
ZZZZZZ	2311										
ZZZZZZ	2314										
ZZZZZZ	2317										
MYCZ18	2320	94		101		99		105		105	
MYCZ18D	2324	94		100		99		104		106	
MYCZ18L	2327	95		99		100		105		105	
MYCZ18S	2330	94		101		99		105		106	
MYCZ18SRE	2333	93		100		99		102		104	
ZZZZZZ	2336										
ZZZZZZ	2339										
ZZZZZZ	2342										
ZZZZZZ	2346										
CCV027	2349	84		89		85		99		102	
CCB027	2351	88		95		97		102		104	

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51779 MA No.: SDG No.: MYCZ9
 Instrument ID: P7 Start Date : 12/20/2024
 Run Batch: LB134058 End Date : 12/20/2024

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	1303	100		100		100		100		100	
S02	1310	104		101		102		102		102	
S03	1313	106		101		101		101		103	
S04	1316	106		98		97		97		101	
S05	1319	108		94		94		93		100	
S06	1322	106		89		90		88		97	
S07	1324	101		87		89		85		96	
S08	1327	93		86		87		79		93	
ICV004	1341	110		98		99		98		102	
ICB004	1431	107		102		101		102		102	
ICSA004	1435	102		94		95		89		101	
ICSAB004	1438	98		94		97		92		104	
CCV030	1441	94		92		93		86		100	
CCB030	1447	105		98		100		101		106	
ZZZZZZ	1452										
ZZZZZZ	1455										
ZZZZZZ	1459										
ZZZZZZ	1502										
ZZZZZZ	1505										
ZZZZZZ	1509										
ZZZZZZ	1512										
ZZZZZZ	1515										
ZZZZZZ	1518										
ZZZZZZ	1522										
ZZZZZZ	1525										
ZZZZZZ	1528										
ZZZZZZ	1532										
ZZZZZZ	1535										
ZZZZZZ	1538										
ZZZZZZ	1541										
ZZZZZZ	1544										
ZZZZZZ	1547										
ZZZZZZ	1550										
ZZZZZZ	1553										
ZZZZZZ	1556										
ZZZZZZ	1559										
ZZZZZZ	1602										
ZZZZZZ	1605										

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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	1609										
ZZZZZZ	1612										
ZZZZZZ	1615										
CCV031	1618	96		89		91		84		97	
CCB031	1624	107		97		98		98		103	
ZZZZZZ	1627										
ZZZZZZ	1630										
ZZZZZZ	1633										
ZZZZZZ	1637										
ZZZZZZ	1640										
ZZZZZZ	1643										
ZZZZZZ	1646										
ZZZZZZ	1649										
ZZZZZZ	1652										
ZZZZZZ	1655										
ZZZZZZ	1658										
ZZZZZZ	1702										
ZZZZZZ	1705										
ZZZZZZ	1708										
ZZZZZZ	1711										
ZZZZZZ	1714										
ZZZZZZ	1717										
ZZZZZZ	1720										
ZZZZZZ	1724										
ZZZZZZ	1727										
ZZZZZZ	1730										
ZZZZZZ	1733										
ZZZZZZ	1736										
ZZZZZZ	1739										
ZZZZZZ	1743										
MYCZ18ARE	1746	105		103		111		98		104	
ZZZZZZ	1749										
CCV032	1752	97		89		91		84		97	
CCB032	1759	107		98		99		99		102	

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
S0	1303	100		100		100		100		100	
S02	1310	102		102		103		102		101	
S03	1313	100		102		102		104		105	
S04	1316	92		95		95		101		100	
S05	1319	88		92		92		99		99	
S06	1322	85		89		88		98		98	
S07	1324	85		88		86		98		97	
S08	1327	89		90		82		94		95	
ICV004	1341	96		98		100		102		102	
ICB004	1431	101		101		102		102		103	
ICSA004	1435	90		94		91		101		102	
ICSAB004	1438	92		96		93		103		103	
CCV030	1441	89		92		87		100		99	
CCB030	1447	95		98		102		104		104	
ZZZZZZ	1452										
ZZZZZZ	1455										
ZZZZZZ	1459										
ZZZZZZ	1502										
ZZZZZZ	1505										
ZZZZZZ	1509										
ZZZZZZ	1512										
ZZZZZZ	1515										
ZZZZZZ	1518										
ZZZZZZ	1522										
ZZZZZZ	1525										
ZZZZZZ	1528										
ZZZZZZ	1532										
ZZZZZZ	1535										
ZZZZZZ	1538										
ZZZZZZ	1541										
ZZZZZZ	1544										
ZZZZZZ	1547										
ZZZZZZ	1550										
ZZZZZZ	1553										
ZZZZZZ	1556										
ZZZZZZ	1559										
ZZZZZZ	1602										
ZZZZZZ	1605										

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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
ZZZZZZ	1609										
ZZZZZZ	1612										
ZZZZZZ	1615										
CCV031	1618	88		91		85		98		97	
CCB031	1624	94		98		100		104		103	
ZZZZZZ	1627										
ZZZZZZ	1630										
ZZZZZZ	1633										
ZZZZZZ	1637										
ZZZZZZ	1640										
ZZZZZZ	1643										
ZZZZZZ	1646										
ZZZZZZ	1649										
ZZZZZZ	1652										
ZZZZZZ	1655										
ZZZZZZ	1658										
ZZZZZZ	1702										
ZZZZZZ	1705										
ZZZZZZ	1708										
ZZZZZZ	1711										
ZZZZZZ	1714										
ZZZZZZ	1717										
ZZZZZZ	1720										
ZZZZZZ	1724										
ZZZZZZ	1727										
ZZZZZZ	1730										
ZZZZZZ	1733										
ZZZZZZ	1736										
ZZZZZZ	1739										
ZZZZZZ	1743										
MYCZ18ARE	1746	99		107		97		104		104	
ZZZZZZ	1749										
CCV032	1752	88		90		85		97		97	
CCB032	1759	95		98		100		102		102	