

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.: MYCYW9
 Instrument ID: P7 Start Date : 12/18/2024
 Run Batch: LB134003 End Date : 12/19/2024

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	1330	100		100		100		100		100	
S02	1336	102		99		99		100		100	
S03	1340	104		98		98		98		100	
S04	1343	103		94		95		94		99	
S05	1359	103		87		89		88		96	
S06	1402	102		87		88		87		96	
S07	1405	100		85		88		84		96	
S08	1407	97		85		86		79		95	
ICV002	1428	105		96		97		98		101	
ICB002	1431	107		97		97		98		101	
ICSA002	1448	97		90		94		89		102	
ICSAB002	1458	101		92		97		92		105	
CCV011	1501	100		95		99		92		107	
CCB011	1504	105		97		101		101		108	
PBS601	1507	105		97		99		101		106	
LCS601	1510	105		97		99		100		105	
LCSD601	1514	103		97		100		100		106	
ZZZZZZ	1517										
ZZZZZZ	1520										
ZZZZZZ	1523										
ZZZZZZ	1527										
ZZZZZZ	1530										
ZZZZZZ	1533										
ZZZZZZ	1536										
ZZZZZZ	1540										
ZZZZZZ	1543										
ZZZZZZ	1546										
ZZZZZZ	1550										
ZZZZZZ	1553										
ZZZZZZ	1556										
ZZZZZZ	1559										
ZZZZZZ	1602										
ZZZZZZ	1605										
ZZZZZZ	1608										
ZZZZZZ	1611										
ZZZZZZ	1614										
ZZZZZZ	1617										
ZZZZZZ	1620										

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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	1623										
ZZZZZZ	1626										
ZZZZZZ	1630										
ZZZZZZ	1633										
ZZZZZZ	1636										
ZZZZZZ	1639										
CCV012	1642	101		94		96		90		104	
CCB012	1644	105		93		96		97		103	
ZZZZZZ	1648										
ZZZZZZ	1651										
ZZZZZZ	1654										
ZZZZZZ	1657										
ZZZZZZ	1700										
ZZZZZZ	1703										
ZZZZZZ	1706										
ZZZZZZ	1709										
ZZZZZZ	1712										
ZZZZZZ	1715										
ZZZZZZ	1718										
ZZZZZZ	1721										
ZZZZZZ	1724										
ZZZZZZ	1728										
ZZZZZZ	1731										
ZZZZZZ	1734										
ZZZZZZ	1737										
ZZZZZZ	1740										
ZZZZZZ	1743										
ZZZZZZ	1746										
CCV013	1754	96		93		94		88		102	
CCB013	1757	104		95		98		98		105	
ZZZZZZ	1804										
ZZZZZZ	1807										
ZZZZZZ	1810										
ZZZZZZ	1813										
ZZZZZZ	1817										
ZZZZZZ	1820										
ZZZZZZ	1823										
ZZZZZZ	1826										

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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	1842										
ZZZZZZ	1845										
ZZZZZZ	1848										
ZZZZZZ	1851										
ZZZZZZ	1854										
ZZZZZZ	1857										
ZZZZZZ	1900										
ZZZZZZ	1903										
ZZZZZZ	1906										
ZZZZZZ	1909										
CCV014	1918	99		92		94		88		101	
CCB014	1921	105		93		95		95		102	
ZZZZZZ	1924										
ZZZZZZ	1927										
ZZZZZZ	1930										
ZZZZZZ	1933										
ZZZZZZ	1936										
ZZZZZZ	1939										
ZZZZZZ	1942										
ZZZZZZ	1945										
ZZZZZZ	1948										
ZZZZZZ	1951										
ZZZZZZ	1954										
ZZZZZZ	1957										
ZZZZZZ	2001										
ZZZZZZ	2004										
ZZZZZZ	2007										
ZZZZZZ	2010										
ZZZZZZ	2013										
ZZZZZZ	2015										
ZZZZZZ	2019										
ZZZZZZ	2022										
ZZZZZZ	2025										
ZZZZZZ	2028										

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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	2031										
ZZZZZZ	2034										
ZZZZZZ	2037										
ZZZZZZ	2040										
CCV015	2043	95		89		91		85		99	
CCB015	2050	103		96		98		99		104	
ZZZZZZ	2053										
ZZZZZZ	2056										
ZZZZZZ	2059										
ZZZZZZ	2102										
ZZZZZZ	2105										
ZZZZZZ	2108										
ZZZZZZ	2111										
ZZZZZZ	2114										
ZZZZZZ	2118										
ZZZZZZ	2121										
ZZZZZZ	2124										
ZZZZZZ	2127										
ZZZZZZ	2130										
ZZZZZZ	2133										
ZZZZZZ	2136										
MYCYW9	2139	110		106		110		100		111	
MYCYX0	2142	111		111		109		100		110	
MYCYX1	2145	108		109		108		98		109	
MYCYX2	2148	109		99		106		99		110	
MYCYX3	2151	107		103		105		97		108	
MYCYX4	2154	109		104		106		98		109	
MYCYX5	2157	110		99		104		99		110	
MYCYX6	2201	110		103		107		99		110	
MYCYX7	2204	114		99		107		101		114	
MYCYX8	2207	108		97		103		97		108	
CCV016	2210	96		87		89		83		96	
CCB016	2212	103		87		91		92		99	
MYCZA9	2216	111		114		114		101		113	
MYCZB0	2219	111		114		113		101		112	
MYCZB1	2222	111		115		113		100		112	
MYCZB2	2225	109		111		113		100		112	
MYCZB3	2228	108		111		109		98		109	

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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	
MYCZB4	2232	107		114		110		98		109	
MYCZB5	2235	109		103		111		101		110	
MYCZB6	2238	108		109		109		98		109	
MYCZB7	2241	107		109		110		99		109	
MYCZB8	2244	109		107		110		101		111	
MYCZB8D	2247	107		106		108		99		109	
MYCZB8L	2250	107		101		104		102		109	
MYCZB8S	2254	107		107		108		100		109	
MYCZB8SRE	2257	105		105		107		98		108	
ZZZZZZ	2259										
ZZZZZZ	2303										
ZZZZZZ	2306										
ZZZZZZ	2309										
ZZZZZZ	2312										
ZZZZZZ	2315										
ZZZZZZ	2318										
ZZZZZZ	2322										
ZZZZZZ	2325										
ZZZZZZ	2328										
MYCZB8	2331	102		98		100		98		105	
MYCZB8D	2334	103		98		101		99		106	
CCV017	2337	100		90		92		86		100	
CCB017	2340	103		90		92		93		101	
MYCZB8L	2343	103		93		95		95		101	
MYCZB8S	2347	105		95		97		96		103	
MYCZB8SRE	2350	102		94		97		96		103	
MYCYW9	2353	101		94		97		93		101	
MYCYX1	2356	100		96		98		93		101	
MYCYX2	0000	100		90		94		94		101	
MYCYX3	0003	100		93		96		92		100	
MYCYX4	0006	97		92		94		90		99	
MYCYX5	0009	98		90		93		93		100	
MYCYX6	0012	95		90		93		89		98	
MYCYX7	0015	99		91		96		94		102	
MYCYX8	0018	100		91		96		93		101	
ZZZZZZ	0022										
ZZZZZZ	0025										
MYCYX8	0049	94		96		98		96		101	

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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
CCV018	0054	92		87		88		82		97	
CCB018	0056	93		82		84		85		93	

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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	1330	100		100		100		100		100	
S02	1336	99		98		98		99		99	
S03	1340	95		96		96		100		99	
S04	1343	89		92		91		98		98	
S05	1359	84		88		89		98		99	
S06	1402	83		87		87		98		98	
S07	1405	83		88		86		99		100	
S08	1407	87		89		81		96		98	
ICV002	1428	96		98		98		103		103	
ICB002	1431	96		98		100		104		103	
ICSA002	1448	88		94		91		102		104	
ICSAB002	1458	88		93		91		103		102	
CCV011	1501	91		96		90		104		105	
CCB011	1504	93		99		101		107		106	
PBS601	1507	94		99		101		106		106	
LCS601	1510	95		98		100		105		105	
LCSD601	1514	96		99		101		105		104	
ZZZZZZ	1517										
ZZZZZZ	1520										
ZZZZZZ	1523										
ZZZZZZ	1527										
ZZZZZZ	1530										
ZZZZZZ	1533										
ZZZZZZ	1536										
ZZZZZZ	1540										
ZZZZZZ	1543										
ZZZZZZ	1546										
ZZZZZZ	1550										
ZZZZZZ	1553										
ZZZZZZ	1556										
ZZZZZZ	1559										
ZZZZZZ	1602										
ZZZZZZ	1605										
ZZZZZZ	1608										
ZZZZZZ	1611										
ZZZZZZ	1614										
ZZZZZZ	1617										
ZZZZZZ	1620										

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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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	1829										
ZZZZZZ	1832										
ZZZZZZ	1835										
ZZZZZZ	1838										
ZZZZZZ	1842										
ZZZZZZ	1845										
ZZZZZZ	1848										
ZZZZZZ	1851										
ZZZZZZ	1854										
ZZZZZZ	1857										
ZZZZZZ	1900										
ZZZZZZ	1903										
ZZZZZZ	1906										
ZZZZZZ	1909										
CCV014	1918	87		91		86		100		101	
CCB014	1921	89		96		98		104		104	
ZZZZZZ	1924										
ZZZZZZ	1927										
ZZZZZZ	1930										
ZZZZZZ	1933										
ZZZZZZ	1936										
ZZZZZZ	1939										
ZZZZZZ	1942										
ZZZZZZ	1945										
ZZZZZZ	1948										
ZZZZZZ	1951										
ZZZZZZ	1954										
ZZZZZZ	1957										
ZZZZZZ	2001										
ZZZZZZ	2004										
ZZZZZZ	2007										
ZZZZZZ	2010										
ZZZZZZ	2013										
ZZZZZZ	2015										
ZZZZZZ	2019										
ZZZZZZ	2022										
ZZZZZZ	2025										
ZZZZZZ	2028										

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
ZZZZZZ	2031										
ZZZZZZ	2034										
ZZZZZZ	2037										
ZZZZZZ	2040										
CCV015	2043	86		90		85		99		100	
CCB015	2050	95		101		102		107		107	
ZZZZZZ	2053										
ZZZZZZ	2056										
ZZZZZZ	2059										
ZZZZZZ	2102										
ZZZZZZ	2105										
ZZZZZZ	2108										
ZZZZZZ	2111										
ZZZZZZ	2114										
ZZZZZZ	2118										
ZZZZZZ	2121										
ZZZZZZ	2124										
ZZZZZZ	2127										
ZZZZZZ	2130										
ZZZZZZ	2133										
ZZZZZZ	2136										
MYCYW9	2139	99		105		98		108		108	
MYCYX0	2142	106		106		97		107		107	
MYCYX1	2145	104		107		98		109		109	
MYCYX2	2148	93		101		97		107		106	
MYCYX3	2151	98		103		96		107		106	
MYCYX4	2154	97		103		97		108		108	
MYCYX5	2157	92		101		97		109		109	
MYCYX6	2201	96		102		97		107		108	
MYCYX7	2204	93		101		97		109		109	
MYCYX8	2207	92		99		95		106		105	
CCV016	2210	82		87		83		96		97	
CCB016	2212	86		92		95		103		101	
MYCZA9	2216	110		111		100		111		112	
MYCZB0	2219	109		110		100		110		111	
MYCZB1	2222	110		111		99		110		110	
MYCZB2	2225	107		110		99		110		108	
MYCZB3	2228	107		108		98		108		108	

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
MYCZB4	2232	110		108		97		107		107	
MYCZB5	2235	99		109		101		112		111	
MYCZB6	2238	106		108		98		108		107	
MYCZB7	2241	104		107		98		108		108	
MYCZB8	2244	101		106		100		109		109	
MYCZB8D	2247	102		106		99		110		110	
MYCZB8L	2250	96		102		101		108		107	
MYCZB8S	2254	99		105		99		107		107	
MYCZB8SRE	2257	98		103		97		106		106	
ZZZZZZ	2259										
ZZZZZZ	2303										
ZZZZZZ	2306										
ZZZZZZ	2309										
ZZZZZZ	2312										
ZZZZZZ	2315										
ZZZZZZ	2318										
ZZZZZZ	2322										
ZZZZZZ	2325										
ZZZZZZ	2328										
MYCZB8	2331	94		99		98		104		104	
MYCZB8D	2334	94		99		99		105		104	
CCV017	2337	82		87		83		98		97	
CCB017	2340	84		90		93		100		101	
MYCZB8L	2343	88		93		95		101		101	
MYCZB8S	2347	91		96		96		103		103	
MYCZB8SRE	2350	91		97		96		105		105	
MYCYW9	2353	91		97		94		103		103	
MYCYX1	2356	93		97		94		103		103	
MYCYX2	0000	87		93		95		102		102	
MYCYX3	0003	89		95		93		101		101	
MYCYX4	0006	87		93		91		100		100	
MYCYX5	0009	86		93		94		101		101	
MYCYX6	0012	89		96		93		102		102	
MYCYX7	0015	86		94		94		104		103	
MYCYX8	0018	82		89		88		97		97	
ZZZZZZ	0022										
ZZZZZZ	0025										
MYCYX8	0049	89		95		95		102		101	

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
CCV018	0054	79		85		81		96		97	
CCB018	0056	80		88		90		99		99	