

FORM 14-IN

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51772 MA No.: SDG No.: MYDB42
 Instrument ID: P7 Start Date : 10/28/2024
 Run Batch: LB133179 End Date : 10/28/2024

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	1322	100		100		100		100		100	
S02	1326	98		99		99		99		99	
S03	1329	96		97		97		98		98	
S04	1332	102		99		100		99		101	
S05	1335	109		100		101		99		103	
S06	1338	113		100		103		100		104	
S07	1341	116		99		103		99		105	
S08	1344	112		99		99		91		103	
ICV003	1403	104		100		100		99		101	
ICB003	1406	101		98		98		97		98	
ICSA004	1410	107		99		102		98		105	
ICSAB004	1413	108		104		105		100		107	
CCV018	1416	106		102		105		97		107	
CCB018	1419	109		102		104		103		107	
ZZZZZZ	1422										
ZZZZZZ	1425										
ZZZZZZ	1429										
ZZZZZZ	1432										
ZZZZZZ	1435										
ZZZZZZ	1438										
ZZZZZZ	1442										
ZZZZZZ	1446										
ZZZZZZ	1449										
ZZZZZZ	1452										
ZZZZZZ	1455										
ZZZZZZ	1458										
ZZZZZZ	1502										
ZZZZZZ	1505										
ZZZZZZ	1508										
ZZZZZZ	1511										
ZZZZZZ	1515										
ZZZZZZ	1518										
ZZZZZZ	1521										
ZZZZZZ	1525										
CCV019	1528	98		98		102		95		105	
CCB019	1535	97		101		102		102		104	
PBS269	1539	98		99		102		102		103	
LCS269	1542	96		99		101		101		103	

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
LCSD269	1545	98		101		105		104		106	
ZZZZZZ	1549										
ZZZZZZ	1552										
ZZZZZZ	1555										
ZZZZZZ	1559										
ZZZZZZ	1602										
ZZZZZZ	1605										
ZZZZZZ	1609										
ZZZZZZ	1612										
ZZZZZZ	1615										
ZZZZZZ	1619										
ZZZZZZ	1622										
ZZZZZZ	1625										
ZZZZZZ	1629										
ZZZZZZ	1632										
MYDB42	1635	94		103		108		100		105	
MYDB43	1638	89		102		107		102		106	
MYDB44	1641	90		106		112		99		104	
MYDB45	1645	93		108		112		101		106	
MYDB46	1648	83		100		108		99		107	
MYDB47	1651	85		106		109		99		104	
CCV020	1655	99		99		104		96		106	
CCB020	1658	101		98		101		102		106	
ZZZZZZ	1701										
ZZZZZZ	1705										
ZZZZZZ	1708										
ZZZZZZ	1711										
ZZZZZZ	1714										
ZZZZZZ	1717										
ZZZZZZ	1720										
ZZZZZZ	1724										
ZZZZZZ	1727										
ZZZZZZ	1730										
ZZZZZZ	1733										
ZZZZZZ	1736										
ZZZZZZ	1739										
CCV021	1743	92		97		103		94		104	
CCB021	1745	96		99		103		103		106	

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 Run Batch: LB133179 End Date : 10/28/2024

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
MYDB48	1749	84		100		105		98		105	
MYDB49	1753	91		110		114		102		107	
MYDB50	1756	93		113		121		112		116	
MYDB51	1759	87		104		111		101		106	
MYDB51D	1802	85		102		109		100		105	
MYDB51L	1805	86		100		104		98		102	
MYDB51S	1809	86		101		107		97		104	
MYDB51SRE	1812	89		104		111		101		107	
MYDB52	1815	88		106		114		99		105	
ZZZZZZ	1818										
ZZZZZZ	1821										
ZZZZZZ	1824										
ZZZZZZ	1828										
ZZZZZZ	1831										
CCV022	1834	99		98		102		96		106	
CCB022	1837	105		102		105		106		110	
MYDB52	1841	92		111		117		103		110	
MYDB53	1844	85		102		107		98		104	
MYDB54	1847	86		106		111		108		113	
MYDB55	1851	84		104		109		101		106	
MYDB56	1854	87		106		114		101		107	
MYDB57	1857	90		103		109		101		106	
MYDB58	1900	90		106		113		101		108	
MYDB59	1903	84		102		109		98		104	
MYDB60	1907	86		101		106		98		103	
MYDB62	1910	84		103		110		101		106	
ZZZZZZ	1913										
ZZZZZZ	1916										
ZZZZZZ	1919										
ZZZZZZ	1923										
ZZZZZZ	1926										
ZZZZZZ	1929										
ZZZZZZ	1932										
ZZZZZZ	1935										
CCV023	1939	99		99		104		98		108	
CCB023	1941	101		98		103		102		107	

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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	1322	100		100		100		100		100	
S02	1326	100		100		99		101		102	
S03	1329	99		99		99		101		101	
S04	1332	100		100		99		102		105	
S05	1335	99		100		100		104		107	
S06	1338	100		100		100		107		109	
S07	1341	97		98		97		107		108	
S08	1344	99		100		92		106		107	
ICV003	1403	100		100		101		102		103	
ICB003	1406	97		98		98		100		100	
ICSA004	1410	102		104		100		109		110	
ICSAB004	1413	104		104		102		110		111	
CCV018	1416	102		104		98		107		109	
CCB018	1419	99		102		104		107		108	
ZZZZZZ	1422										
ZZZZZZ	1425										
ZZZZZZ	1429										
ZZZZZZ	1432										
ZZZZZZ	1435										
ZZZZZZ	1438										
ZZZZZZ	1442										
ZZZZZZ	1446										
ZZZZZZ	1449										
ZZZZZZ	1452										
ZZZZZZ	1455										
ZZZZZZ	1458										
ZZZZZZ	1502										
ZZZZZZ	1505										
ZZZZZZ	1508										
ZZZZZZ	1511										
ZZZZZZ	1515										
ZZZZZZ	1518										
ZZZZZZ	1521										
ZZZZZZ	1525										
CCV019	1528	97		100		96		106		106	
CCB019	1535	98		102		102		104		105	
PBS269	1539	97		101		103		103		105	
LCS269	1542	97		100		103		103		104	

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 Run Batch: LB133179 End Date : 10/28/2024

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
LCSD269	1545	97		101		102		102		105	
ZZZZZZ	1549										
ZZZZZZ	1552										
ZZZZZZ	1555										
ZZZZZZ	1559										
ZZZZZZ	1602										
ZZZZZZ	1605										
ZZZZZZ	1609										
ZZZZZZ	1612										
ZZZZZZ	1615										
ZZZZZZ	1619										
ZZZZZZ	1622										
ZZZZZZ	1625										
ZZZZZZ	1629										
ZZZZZZ	1632										
MYDB42	1635	103		108		101		104		105	
MYDB43	1638	103		107		100		104		104	
MYDB44	1641	100		106		96		99		101	
MYDB45	1645	103		107		100		103		104	
MYDB46	1648	101		107		100		101		104	
MYDB47	1651	104		108		100		105		106	
CCV020	1655	98		101		97		106		108	
CCB020	1658	95		99		101		103		105	
ZZZZZZ	1701										
ZZZZZZ	1705										
ZZZZZZ	1708										
ZZZZZZ	1711										
ZZZZZZ	1714										
ZZZZZZ	1717										
ZZZZZZ	1720										
ZZZZZZ	1724										
ZZZZZZ	1727										
ZZZZZZ	1730										
ZZZZZZ	1733										
ZZZZZZ	1736										
ZZZZZZ	1739										
CCV021	1743	95		98		95		104		106	
CCB021	1745	95		99		102		105		107	

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 Run Batch: LB133179 End Date : 10/28/2024

EPA Sample No.	Time	Internal Standard %RI For: Collision Cell									
		Element	Q	Element	Q	Element	Q	Element	Q	Element	Q
		45Sc		89Y		103Rh		159Tb		165Ho	
MYDB48	1749	101		107		99		105		105	
MYDB49	1753	103		109		101		104		106	
MYDB50	1756	97		102		96		100		102	
MYDB51	1759	103		108		100		105		105	
MYDB51D	1802	102		107		101		105		105	
MYDB51L	1805	96		101		101		103		104	
MYDB51S	1809	101		107		99		103		105	
MYDB51SRE	1812	101		106		101		105		107	
MYDB52	1815	104		112		101		105		106	
ZZZZZZ	1818										
ZZZZZZ	1821										
ZZZZZZ	1824										
ZZZZZZ	1828										
ZZZZZZ	1831										
CCV022	1834	95		97		96		107		108	
CCB022	1837	94		99		102		106		106	
MYDB52	1841	104		110		97		103		104	
MYDB53	1844	101		107		99		103		104	
MYDB54	1847	97		102		95		100		100	
MYDB55	1851	103		109		102		106		106	
MYDB56	1854	103		110		102		106		107	
MYDB57	1857	100		105		102		105		107	
MYDB58	1900	101		107		99		105		105	
MYDB59	1903	101		108		99		104		105	
MYDB60	1907	98		104		100		103		105	
MYDB62	1910	102		109		103		105		105	
ZZZZZZ	1913										
ZZZZZZ	1916										
ZZZZZZ	1919										
ZZZZZZ	1923										
ZZZZZZ	1926										
ZZZZZZ	1929										
ZZZZZZ	1932										
ZZZZZZ	1935										
CCV023	1939	93		98		95		106		108	
CCB023	1941	92		97		102		106		106	

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ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51772 MA No.: SDG No.: MYDB42
 Instrument ID: P7 Start Date : 10/29/2024
 Run Batch: LB133196 End Date : 10/29/2024

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	1813	100		100		100		100		100	
S02	1819	101		100		99		98		100	
S03	1822	100		100		99		98		100	
S04	1826	102		101		101		99		101	
S05	1829	103		102		102		100		104	
S06	1831	106		99		101		98		104	
S07	1834	114		105		107		102		110	
S08	1837	118		107		106		97		110	
ICV006	1842	105		104		102		101		104	
ICB006	1845	103		101		100		100		101	
ICSA006	1849	111		107		104		99		107	
ICSAB006	1852	107		107		107		103		111	
CCV029	1855	102		109		110		102		112	
CCB029	1858	100		105		105		106		108	
ZZZZZZ	1901										
ZZZZZZ	1904										
ZZZZZZ	1907										
ZZZZZZ	1911										
ZZZZZZ	1914										
ZZZZZZ	1917										
ZZZZZZ	1921										
ZZZZZZ	1924										
ZZZZZZ	1927										
ZZZZZZ	1930										
ZZZZZZ	1934										
ZZZZZZ	1937										
CCV030	1940	118		114		113		105		114	
CCB030	1943	110		106		105		104		107	
MYDB51	1947	110		105		104		99		102	
MYDB51D	1950	109		103		105		101		105	
MYDB51L	1953	110		102		102		101		104	
MYDB51S	1956	108		104		102		98		102	
MYDB51SRE	2000	105		102		103		99		103	
MYDB51ARE	2006	101		105		108		99		103	
ZZZZZZ	2009										
ZZZZZZ	2012										
ZZZZZZ	2016										
ZZZZZZ	2019										

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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Instrument ID: <u>P7</u>	Start Date : <u>10/29/2024</u>
Run Batch: <u>LB133196</u>	End Date : <u>10/29/2024</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	2022										
ZZZZZZ	2025										
ZZZZZZ	2028										
ZZZZZZ	2032										
ZZZZZZ	2035										
ZZZZZZ	2038										
ZZZZZZ	2041										
ZZZZZZ	2045										
ZZZZZZ	2048										
ZZZZZZ	2051										
ZZZZZZ	2054										
ZZZZZZ	2057										
ZZZZZZ	2101										
ZZZZZZ	2104										
ZZZZZZ	2107										
ZZZZZZ	2110										
CCV031	2113	112		108		109		103		112	
CCB031	2116	102		104		104		104		107	

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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	1813	100		100		100		100		100	
S02	1819	99		98		99		100		98	
S03	1822	101		99		100		102		101	
S04	1826	100		101		100		99		101	
S05	1829	101		99		100		103		102	
S06	1831	102		102		101		106		106	
S07	1834	104		103		101		109		108	
S08	1837	107		104		99		109		108	
ICV006	1842	102		101		102		102		102	
ICB006	1845	101		102		102		103		101	
ICSA006	1849	105		104		101		107		107	
ICSAB006	1852	108		106		104		110		109	
CCV029	1855	110		106		102		108		109	
CCB029	1858	105		104		105		105		105	
ZZZZZZ	1901										
ZZZZZZ	1904										
ZZZZZZ	1907										
ZZZZZZ	1911										
ZZZZZZ	1914										
ZZZZZZ	1917										
ZZZZZZ	1921										
ZZZZZZ	1924										
ZZZZZZ	1927										
ZZZZZZ	1930										
ZZZZZZ	1934										
ZZZZZZ	1937										
CCV030	1940	110		106		104		111		110	
CCB030	1943	101		101		102		104		103	
MYDB51	1947	101		103		102		103		103	
MYDB51D	1950	102		103		103		105		104	
MYDB51L	1953	100		100		102		104		103	
MYDB51S	1956	102		102		101		103		103	
MYDB51SRE	2000	101		100		100		102		102	
MYDB51ARE	2006	109		109		102		106		105	
ZZZZZZ	2009										
ZZZZZZ	2012										
ZZZZZZ	2016										
ZZZZZZ	2019										

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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	2022										
ZZZZZZ	2025										
ZZZZZZ	2028										
ZZZZZZ	2032										
ZZZZZZ	2035										
ZZZZZZ	2038										
ZZZZZZ	2041										
ZZZZZZ	2045										
ZZZZZZ	2048										
ZZZZZZ	2051										
ZZZZZZ	2054										
ZZZZZZ	2057										
ZZZZZZ	2101										
ZZZZZZ	2104										
ZZZZZZ	2107										
ZZZZZZ	2110										
CCV031	2113	107		105		100		109		108	
CCB031	2116	102		102		103		104		104	