

FORM 14-IN

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51821 MA No.: SDG No.: MJNKL4
 Instrument ID: P8 Start Date : 12/13/2024
 Run Batch: LB133950 End Date : 12/13/2024

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	1246	100		100		100		100		100	
S02	1252	99		99		99		99		99	
S03	1256	100		100		101		99		100	
S04	1259	97		98		101		97		100	
S05	1301	100		101		103		99		103	
S06	1304	96		96		98		93		100	
S07	1307	92		96		98		90		101	
S08	1310	80		82		86		76		88	
ICV001	1358	102		103		102		101		102	
ICB001	1414	102		107		108		106		104	
ICSA001	1430	88		99		99		91		99	
ICSAB001	1438	91		103		104		95		102	
CCV001	1441	85		100		100		89		100	
CCB001	1455	97		106		107		106		103	
ZZZZZZ	1458										
ZZZZZZ	1501										
ZZZZZZ	1515										
ZZZZZZ	1518										
ZZZZZZ	1522										
ZZZZZZ	1525										
PBS563	1528	98		102		102		99		101	
LCS563	1532	99		105		105		103		104	
ZZZZZZ	1535										
ZZZZZZ	1538										
ZZZZZZ	1541										
ZZZZZZ	1544										
ZZZZZZ	1547										
ZZZZZZ	1551										
ZZZZZZ	1554										
ZZZZZZ	1557										
CCV002	1600	79		92		93		83		91	
CCB002	1603	93		103		105		103		101	
ZZZZZZ	1606										
ZZZZZZ	1609										
ZZZZZZ	1612										
ZZZZZZ	1616										
ZZZZZZ	1619										
ZZZZZZ	1622										

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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	1625										
ZZZZZZ	1628										
ZZZZZZ	1631										
ZZZZZZ	1635										
ZZZZZZ	1638										
ZZZZZZ	1641										
ZZZZZZ	1644										
ZZZZZZ	1647										
ZZZZZZ	1651										
ZZZZZZ	1654										
ZZZZZZ	1657										
ZZZZZZ	1700										
ZZZZZZ	1703										
ZZZZZZ	1706										
ZZZZZZ	1710										
ZZZZZZ	1713										
ZZZZZZ	1716										
ZZZZZZ	1719										
ZZZZZZ	1722										
ZZZZZZ	1725										
CCV003	1728	80		99		97		87		95	
CCB003	1731	90		105		105		103		101	
ZZZZZZ	1734										
ZZZZZZ	1737										
ZZZZZZ	1741										
ZZZZZZ	1744										
MJNKL4	1747	290	*	321	*	317	*	304	*	305	*
MJNKL4D	1750	294	*	314	*	308	*	299	*	296	*
MJNKL4L	1753	340	*	348	*	340	*	332	*	331	*
MJNKL4S	1757	358	*	365	*	360	*	343	*	352	*
MJNKL5	1800	293	*	305	*	298	*	289	*	286	*
MJNKM5	1803	314	*	316	*	305	*	299	*	295	*
MJNKM6	1807	319	*	321	*	313	*	301	*	304	*
MJNKP8	1810	334	*	327	*	323	*	312	*	311	*
MJNKP9	1813	352	*	334	*	329	*	318	*	313	*
MJNKQ0	1817	346	*	343	*	337	*	326	*	323	*
MJNKQ1	1820	297	*	293	*	287	*	278	*	277	*
MJNKQ2	1823	95		109		107		100		101	

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		Element		Element		Element		Element		Element	
		6Li	Q	45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q
MJNKQ8	1826	93		108		106		100		100	
MJNL17	1830	94		113		108		104		102	
MJNL18	1833	91		110		108		103		101	
CCV004	1836	82		100		100		87		97	
CCB004	1839	83		95		94		93		93	
MJNKL4	1842	91		108		107		102		103	
MJNKL4D	1846	89		109		107		100		100	
MJNKL4L	1849	89		106		104		99		100	
MJNKL4S	1852	89		109		107		102		101	
MJNKL5	1855	87		107		105		99		99	
MJNKM5	1858	87		109		108		102		102	
MJNKM6	1901	82		101		98		94		93	
MJNKP8	1904	86		108		107		101		99	
MJNKP9	1908	85		105		105		96		96	
MJNKQ0	1911	85		109		108		99		98	
MJNKQ1	1914	83		108		108		101		98	
MJNKQ2	1917	86		110		109		103		101	
MJNKQ8	1920	87		108		107		102		100	
MJNL17	1923	84		105		103		98		96	
MJNL18	1926	87		108		106		102		100	
MJNL19	1930	85		109		108		102		101	
MJNL49	1933	79		102		99		94		93	
MJNL62	1936	83		108		106		101		99	
MJNL63	1939	83		110		109		101		99	
MJNL71	1942	79		105		105		98		97	
ZZZZZZ	1952										
ZZZZZZ	1955										
ZZZZZZ	1958										
ZZZZZZ	2002										
ZZZZZZ	2005										
ZZZZZZ	2008										
CCV005	2011	80		101		100		88		96	
CCB005	2014	86		102		100		99		98	

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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	1246	100		100		100		100		100	
S02	1252	101		103		102		101		102	
S03	1256	101		104		101		103		103	
S04	1259	99		102		99		102		102	
S05	1301	95		99		95		99		100	
S06	1304	94		96		92		99		99	
S07	1307	94		96		90		100		100	
S08	1310	83		89		76		92		92	
ICV001	1358	103		105		102		102		102	
ICB001	1414	104		106		103		102		104	
ICSA001	1430	94		99		90		97		97	
ICSAB001	1438	101		104		95		101		103	
CCV001	1441	97		101		89		98		99	
CCB001	1455	96		99		97		97		95	
ZZZZZZ	1458										
ZZZZZZ	1501										
ZZZZZZ	1515										
ZZZZZZ	1518										
ZZZZZZ	1522										
ZZZZZZ	1525										
PBS563	1528	103		103		103		102		101	
LCS563	1532	102		104		103		101		101	
ZZZZZZ	1535										
ZZZZZZ	1538										
ZZZZZZ	1541										
ZZZZZZ	1544										
ZZZZZZ	1547										
ZZZZZZ	1551										
ZZZZZZ	1554										
ZZZZZZ	1557										
CCV002	1600	94		96		87		95		96	
CCB002	1603	91		94		94		91		91	
ZZZZZZ	1606										
ZZZZZZ	1609										
ZZZZZZ	1612										
ZZZZZZ	1616										
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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
ZZZZZZ	1625										
ZZZZZZ	1628										
ZZZZZZ	1631										
ZZZZZZ	1635										
ZZZZZZ	1638										
ZZZZZZ	1641										
ZZZZZZ	1644										
ZZZZZZ	1647										
ZZZZZZ	1651										
ZZZZZZ	1654										
ZZZZZZ	1657										
ZZZZZZ	1700										
ZZZZZZ	1703										
ZZZZZZ	1706										
ZZZZZZ	1710										
ZZZZZZ	1713										
ZZZZZZ	1716										
ZZZZZZ	1719										
ZZZZZZ	1722										
ZZZZZZ	1725										
CCV003	1728	96		98		88		95		97	
CCB003	1731	101		103		102		98		99	
ZZZZZZ	1734										
ZZZZZZ	1737										
ZZZZZZ	1741										
ZZZZZZ	1744										
MJNKL4	1747	389	*	372	*	376	*	366	*	370	*
MJNKL4D	1750	401	*	389	*	392	*	384	*	384	*
MJNKL4L	1753	384	*	368	*	367	*	356	*	360	*
MJNKL4S	1757	284	*	272	*	272	*	267	*	269	*
MJNKL5	1800	384	*	367	*	365	*	359	*	361	*
MJNKM5	1803	384	*	368	*	370	*	359	*	362	*
MJNKM6	1807	392	*	378	*	379	*	370	*	374	*
MJNKP8	1810	389	*	371	*	376	*	363	*	364	*
MJNKP9	1813	408	*	391	*	389	*	380	*	382	*
MJNKQ0	1817	371	*	349	*	349	*	344	*	345	*
MJNKQ1	1820	368	*	349	*	350	*	345	*	342	*
MJNKQ2	1823	106		106		101		99		98	

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
MJNKQ8	1826	104		103		99		97		98	
MJNL17	1830	107		107		103		100		101	
MJNL18	1833	106		106		103		100		99	
CCV004	1836	89		90		82		89		89	
CCB004	1839	102		103		103		101		101	
MJNKL4	1842	109		109		105		104		103	
MJNKL4D	1846	104		104		100		98		99	
MJNKL4L	1849	103		102		102		97		99	
MJNKL4S	1852	103		104		101		98		98	
MJNKL5	1855	105		105		101		97		98	
MJNKM5	1858	108		106		103		101		101	
MJNKM6	1901	104		104		100		97		98	
MJNKP8	1904	105		106		101		99		99	
MJNKP9	1908	109		110		105		103		104	
MJNKQ0	1911	102		103		98		97		96	
MJNKQ1	1914	100		100		96		93		93	
MJNKQ2	1917	105		104		100		97		97	
MJNKQ8	1920	103		103		100		97		97	
MJNL17	1923	104		103		101		97		98	
MJNL18	1926	105		105		102		96		97	
MJNL19	1930	103		103		99		95		95	
MJNL49	1933	105		105		101		98		97	
MJNL62	1936	105		105		101		98		98	
MJNL63	1939	106		105		101		97		98	
MJNL71	1942	93		94		90		87		87	
ZZZZZZ	1952										
ZZZZZZ	1955										
ZZZZZZ	1958										
ZZZZZZ	2002										
ZZZZZZ	2005										
ZZZZZZ	2008										
CCV005	2011	96		97		86		93		94	
CCB005	2014	101		103		102		100		100	