

FORM 14-IN

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51847 MA No.: SDG No.: ME28R5
 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										
PBS606	1522	98		103		102		101		100	
LCS606	1525	101		105		105		103		103	
ZZZZZZ	1528										
ZZZZZZ	1532										
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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Instrument ID: P8	Start Date : 12/13/2024
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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	1826										
ZZZZZZ	1830										
ZZZZZZ	1833										
CCV004	1836	82		100		100		87		97	
CCB004	1839	83		95		94		93		93	
ZZZZZZ	1842										
ZZZZZZ	1846										
ZZZZZZ	1849										
ZZZZZZ	1852										
ZZZZZZ	1855										
ZZZZZZ	1858										
ZZZZZZ	1901										
ZZZZZZ	1904										
ZZZZZZ	1908										
ZZZZZZ	1911										
ZZZZZZ	1914										
ZZZZZZ	1917										
ZZZZZZ	1920										
ZZZZZZ	1923										
ZZZZZZ	1926										
ZZZZZZ	1930										
ZZZZZZ	1933										
ZZZZZZ	1936										
ZZZZZZ	1939										
ZZZZZZ	1942										
ME28R5	1952	83		108		110		100		101	
ME28R6	1955	75		98		100		89		91	
ME28R7	1958	82		108		107		99		101	
ME28R8	2002	81		110		111		97		101	
ME28R9	2005	81		108		110		99		101	
ME28S0	2008	75		102		103		91		94	
CCV005	2011	80		101		100		88		96	
CCB005	2014	86		102		100		99		98	
ME28S1	2017	87		108		109		99		101	
ME28S2	2020	81		109		112		99		100	
ME28S3	2023	79		108		108		99		98	
ME28S4	2027	79		110		110		101		101	
ME28S5	2030	74		102		103		95		95	

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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	
ME28S6	2033	74		103		104		94		93	
ME28S7	2036	76		102		103		94		92	
ME28S7D	2039	80		111		109		100		99	
ME28S7L	2043	83		107		104		100		98	
ME28S7S	2046	82		108		109		99		99	
ME28S8	2049	79		109		108		102		99	
ME28S9	2052	78		106		105		99		97	
ME28T0	2055	79		110		109		101		100	
ME28T1	2059	77		109		109		98		101	
ME28T2	2102	75		101		103		93		95	
ME28T3	2105	70		99		100		91		93	
ME28T1	2108	75		101		100		94		94	
ZZZZZZ	2111										
ZZZZZZ	2114										
ZZZZZZ	2117										
ZZZZZZ	2121										
ZZZZZZ	2124										
CCV006	2130	79		98		98		85		95	
CCB006	2133	88		105		104		101		100	

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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										
PBS606	1522	98		100		99		95		97	
LCS606	1525	106		106		105		104		104	
ZZZZZZ	1528										
ZZZZZZ	1532										
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										
ZZZZZZ	1619										
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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	1826										
ZZZZZZ	1830										
ZZZZZZ	1833										
CCV004	1836	89		90		82		89		89	
CCB004	1839	102		103		103		101		101	
ZZZZZZ	1842										
ZZZZZZ	1846										
ZZZZZZ	1849										
ZZZZZZ	1852										
ZZZZZZ	1855										
ZZZZZZ	1858										
ZZZZZZ	1901										
ZZZZZZ	1904										
ZZZZZZ	1908										
ZZZZZZ	1911										
ZZZZZZ	1914										
ZZZZZZ	1917										
ZZZZZZ	1920										
ZZZZZZ	1923										
ZZZZZZ	1926										
ZZZZZZ	1930										
ZZZZZZ	1933										
ZZZZZZ	1936										
ZZZZZZ	1939										
ZZZZZZ	1942										
ME28R5	1952	103		104		96		95		95	
ME28R6	1955	103		105		97		95		96	
ME28R7	1958	103		105		97		96		97	
ME28R8	2002	104		108		94		95		97	
ME28R9	2005	105		106		98		98		99	
ME28S0	2008	99		101		92		92		92	
CCV005	2011	96		97		86		93		94	
CCB005	2014	101		103		102		100		100	
ME28S1	2017	104		105		99		97		97	
ME28S2	2020	103		107		98		96		96	
ME28S3	2023	106		105		100		97		98	
ME28S4	2027	106		107		101		99		98	
ME28S5	2030	101		102		97		93		94	

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
ME28S6	2033	91		91		86		83		83	
ME28S7	2036	100		101		97		93		93	
ME28S7D	2039	104		106		100		98		98	
ME28S7L	2043	104		104		102		97		98	
ME28S7S	2046	105		106		100		98		97	
ME28S8	2049	106		108		102		98		99	
ME28S9	2052	94		93		90		87		87	
ME28T0	2055	105		104		101		97		97	
ME28T1	2059	94		94		89		89		89	
ME28T2	2102	92		95		89		85		86	
ME28T3	2105	95		97		91		90		90	
ME28T1	2108	95		94		91		89		90	
ZZZZZZ	2111										
ZZZZZZ	2114										
ZZZZZZ	2117										
ZZZZZZ	2121										
ZZZZZZ	2124										
CCV006	2130	95		96		86		93		93	
CCB006	2133	99		101		100		97		98	