

FORM 14-IN

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51955 MA No.: SDG No.: YE8G3
 Instrument ID: P8 Start Date : 01/24/2025
 Run Batch: LB134440 End Date : 01/24/2025

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	0947	100		100		100		100		100	
S02	0953	102		101		100		100		100	
S03	0957	101		100		100		98		100	
S04	1000	100		103		102		99		102	
S05	1003	99		102		102		98		102	
S06	1006	98		103		102		97		103	
S07	1009	96		103		103		95		103	
S08	1011	79		85		86		75		88	
ICV001	1023	99		95		95		94		95	
ICB001	1030	100		96		96		96		95	
ICSA001	1033	94		99		99		91		99	
ICSAB001	1036	93		101		100		92		100	
CCV001	1041	86		94		95		86		95	
CCB001	1045	101		101		101		100		99	
ZZZZZZ	1101										
ZZZZZZ	1113										
ZZZZZZ	1117										
ZZZZZZ	1120										
ZZZZZZ	1126										
ZZZZZZ	1129										
ZZZZZZ	1135										
ZZZZZZ	1138										
CCV002	1149	86		88		87		79		88	
CCB002	1152	99		96		95		95		93	
ZZZZZZ	1159										
ZZZZZZ	1202										
ZZZZZZ	1206										
ZZZZZZ	1222										
ZZZZZZ	1226										
ZZZZZZ	1229										
ZZZZZZ	1233										
ZZZZZZ	1236										
ZZZZZZ	1242										
ZZZZZZ	1246										
CCV003	1249	85		88		89		79		89	
CCB003	1256	97		92		92		92		91	
ZZZZZZ	1259										
ZZZZZZ	1303										

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		Element	Q	Element	Q	Element	Q	Element	Q	Element	Q
		6Li		45Sc		89Y		103Rh		159Tb	
CCV004	1305	87		87		88		79		88	
CCB004	1319	99		94		94		93		93	
ZZZZZZ	1322										
ZZZZZZ	1325										
ZZZZZZ	1329										
ZZZZZZ	1332										
ZZZZZZ	1335										
ZZZZZZ	1339										
ZZZZZZ	1342										
ZZZZZZ	1345										
ZZZZZZ	1349										
ZZZZZZ	1352										
ZZZZZZ	1355										
ZZZZZZ	1359										
ZZZZZZ	1402										
ZZZZZZ	1405										
ZZZZZZ	1408										
ZZZZZZ	1412										
ZZZZZZ	1415										
ZZZZZZ	1418										
ZZZZZZ	1424										
ZZZZZZ	1427										
CCV005	1431	85		88		89		79		89	
CCB005	1437	95		90		91		90		90	
ZZZZZZ	1440										
ZZZZZZ	1444										
ZZZZZZ	1447										
ZZZZZZ	1450										
ZZZZZZ	1453										
ZZZZZZ	1457										
PBS154	1503	91		90		91		91		90	
LCS154	1533	92		88		89		87		89	
YE8G3	1536	88		95		96		85		92	
YE8G5	1539	95		99		99		94		95	
YE8G6	1542	96		99		101		98		99	
YE8G6D	1546	93		99		101		97		98	
YE8G6L	1549	96		100		102		100		100	
YE8G6S	1552	96		102		104		101		101	

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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	
YE8H0	1556	94		107		108		98		101	
YE8H1	1559	94		110		107		97		100	
YE8H2	1602	95		105		105		100		102	
YE8H3	1605	95		106		109		100		103	
YE8H4	1609	92		103		108		100		102	
CCV006	1612	82		90		91		82		91	
CCB006	1618	92		91		92		91		91	
YE8H5	1622	91		97		99		92		94	
YE8H6	1625	94		99		102		97		99	
YE8E9	1628	91		98		100		96		97	
YE8F0	1631	91		103		105		100		102	
YE8F1	1635	92		104		106		102		102	
YE8F2	1638	92		104		106		102		102	
YE8F3	1641	89		104		106		101		102	
YE8F4	1645	89		102		106		102		101	
YE8F6	1648	90		104		107		101		102	
YE8G0	1651	90		103		106		100		102	
YE8G1	1654	88		99		102		97		99	
YE8G2	1658	90		103		111		99		102	
ZZZZZZ	1701										
ZZZZZZ	1711										
ZZZZZZ	1714										
ZZZZZZ	1717										
ZZZZZZ	1721										
ZZZZZZ	1724										
ZZZZZZ	1727										
ZZZZZZ	1730										
ZZZZZZ	1734										
ZZZZZZ	1737										
ZZZZZZ	1740										
ZZZZZZ	1743										
ZZZZZZ	1747										
ZZZZZZ	1750										
CCV007	1758	79		83		85		76		86	
CCB007	1801	85		86		89		88		89	
ZZZZZZ	1804										
ZZZZZZ	1808										
ZZZZZZ	1812										

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	1816										
ZZZZZZ	1819										
ZZZZZZ	1823										
ZZZZZZ	1826										
ZZZZZZ	1829										
ZZZZZZ	1833										
YE8G6	1836	86		91		95		92		94	
YE8G6D	1839	85		89		93		91		92	
YE8G6L	1843	86		88		91		90		90	
YE8G6S	1846	88		88		91		89		91	
YE8H2	1849	88		91		94		90		92	
ZZZZZZ	1853										
ZZZZZZ	1856										
ZZZZZZ	1859										
ZZZZZZ	1903										
ZZZZZZ	1906										
YE8G6A	1909	84		96		99		97		98	
CCV008	1919	75		79		81		73		82	
CCB008	1922	81		81		84		83		84	

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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	0947	100		100		100		100		100	
S02	0953	98		98		98		99		99	
S03	0957	99		99		99		99		99	
S04	1000	98		100		96		98		98	
S05	1003	100		99		97		99		100	
S06	1006	100		101		95		99		100	
S07	1009	100		101		92		99		99	
S08	1011	81		83		73		85		85	
ICV001	1023	95		95		96		97		97	
ICB001	1030	96		97		98		97		99	
ICSA001	1033	90		92		83		89		91	
ICSAB001	1036	99		100		92		98		98	
CCV001	1041	94		93		84		93		93	
CCB001	1045	97		100		99		98		97	
ZZZZZZ	1101										
ZZZZZZ	1113										
ZZZZZZ	1117										
ZZZZZZ	1120										
ZZZZZZ	1126										
ZZZZZZ	1129										
ZZZZZZ	1135										
ZZZZZZ	1138										
CCV002	1149	88		87		80		89		89	
CCB002	1152	93		93		95		94		96	
ZZZZZZ	1159										
ZZZZZZ	1202										
ZZZZZZ	1206										
ZZZZZZ	1222										
ZZZZZZ	1226										
ZZZZZZ	1229										
ZZZZZZ	1233										
ZZZZZZ	1236										
ZZZZZZ	1242										
ZZZZZZ	1246										
CCV003	1249	89		89		81		92		92	
CCB003	1256	87		88		92		91		91	
ZZZZZZ	1259										
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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
CCV004	1305	85		85		78		88		89	
CCB004	1319	89		90		94		93		94	
ZZZZZZ	1322										
ZZZZZZ	1325										
ZZZZZZ	1329										
ZZZZZZ	1332										
ZZZZZZ	1335										
ZZZZZZ	1339										
ZZZZZZ	1342										
ZZZZZZ	1345										
ZZZZZZ	1349										
ZZZZZZ	1352										
ZZZZZZ	1355										
ZZZZZZ	1359										
ZZZZZZ	1402										
ZZZZZZ	1405										
ZZZZZZ	1408										
ZZZZZZ	1412										
ZZZZZZ	1415										
ZZZZZZ	1418										
ZZZZZZ	1424										
ZZZZZZ	1427										
CCV005	1431	84		85		77		87		89	
CCB005	1437	87		89		92		92		93	
ZZZZZZ	1440										
ZZZZZZ	1444										
ZZZZZZ	1447										
ZZZZZZ	1450										
ZZZZZZ	1453										
ZZZZZZ	1457										
PBS154	1503	86		86		90		90		90	
LCS154	1533	82		83		86		87		88	
YE8G3	1536	91		93		84		90		91	
YE8G5	1539	95		94		94		95		94	
YE8G6	1542	95		97		97		96		96	
YE8G6D	1546	103		109		105		103		103	
YE8G6L	1549	91		92		96		94		94	
YE8G6S	1552	98		98		99		98		97	

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
YE8H0	1556	98		100		94		94		95	
YE8H1	1559	105		100		95		96		96	
YE8H2	1602	100		98		98		98		97	
YE8H3	1605	102		109		100		99		100	
YE8H4	1609	98		103		99		96		98	
CCV006	1612	85		85		80		87		87	
CCB006	1618	86		86		91		91		91	
YE8H5	1622	98		97		96		96		95	
YE8H6	1625	94		95		94		93		94	
YE8E9	1628	96		97		97		95		94	
YE8F0	1631	97		96		97		96		96	
YE8F1	1635	97		96		98		97		96	
YE8F2	1638	94		94		97		95		94	
YE8F3	1641	98		99		99		98		98	
YE8F4	1645	96		100		99		96		97	
YE8F6	1648	98		98		97		97		96	
YE8G0	1651	96		95		96		96		95	
YE8G1	1654	95		95		95		95		96	
YE8G2	1658	97		108		96		96		96	
ZZZZZZ	1701										
ZZZZZZ	1711										
ZZZZZZ	1714										
ZZZZZZ	1717										
ZZZZZZ	1721										
ZZZZZZ	1724										
ZZZZZZ	1727										
ZZZZZZ	1730										
ZZZZZZ	1734										
ZZZZZZ	1737										
ZZZZZZ	1740										
ZZZZZZ	1743										
ZZZZZZ	1747										
ZZZZZZ	1750										
CCV007	1758	81		82		77		86		86	
CCB007	1801	78		81		85		86		86	
ZZZZZZ	1804										
ZZZZZZ	1808										
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		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
ZZZZZZ	1816										
ZZZZZZ	1819										
ZZZZZZ	1823										
ZZZZZZ	1826										
ZZZZZZ	1829										
ZZZZZZ	1833										
YE8G6	1836	83		85		90		90		89	
YE8G6D	1839	82		84		89		88		90	
YE8G6L	1843	80		82		88		87		88	
YE8G6S	1846	81		83		87		87		88	
YE8H2	1849	84		85		89		89		89	
ZZZZZZ	1853										
ZZZZZZ	1856										
ZZZZZZ	1859										
ZZZZZZ	1903										
ZZZZZZ	1906										
YE8G6A	1909	90		92		95		94		94	
CCV008	1919	73		75		70		79		81	
CCB008	1922	76		79		83		84		84	