

FORM 14-IN

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51817 MA No.: SDG No.: MYE4H0
 Instrument ID: P7 Start Date : 11/02/2024
 Run Batch: LB133265 End Date : 11/02/2024

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	1741	100		100		100		100		100	
S02	1748	99		99		99		99		100	
S03	1751	99		100		100		99		102	
S04	1754	99		98		98		98		101	
S05	1757	100		95		98		97		102	
S06	1800	101		93		98		94		103	
S07	1802	100		93		96		91		104	
S08	1805	96		93		93		83		99	
ICV001	1809	105		97		98		98		102	
ICB001	1812	102		102		101		102		101	
ICSA001	1816	101		98		99		93		104	
ICSAB001	1819	100		96		97		92		104	
CCV001	1822	99		101		102		93		106	
CCB001	1828	106		103		103		104		105	
PBS454	1831	102		100		101		100		103	
LCS454	1834	101		101		102		101		102	
LCSD454	1838	99		100		100		99		100	
MYE4H0	1841	99		109		109		98		103	
MYE4H1	1844	102		111		110		102		104	
MYE4H2	1847	101		120		113		98		106	
MYE4H2D	1850	98		115		109		97		105	
MYE4H2L	1853	98		101		101		96		103	
MYE4H2	1902	98		100		101		98		103	
MYE4H2D	1906	99		101		101		98		103	
MYE4H2L	1909	100		98		100		98		103	
MYE4H2S	1915	100		113		108		93		103	
MYE4H2SRE	1918	96		109		105		90		102	
MYE4H2S	1921	97		96		98		94		103	
MYE4H2SRE	1924	98		96		98		94		103	
MYE4H3	1927	97		101		103		95		102	
MYE4H4	1930	97		106		106		97		104	
MYE4H5	1934	96		106		107		96		103	
MYE4H6	1937	97		101		103		96		103	
MYE4H8	1940	95		99		102		95		102	
MYE4H9	1943	93		100		103		93		102	
MYE4J0	1946	89		96		99		91		98	
MYE4J1	1949	92		96		99		92		100	
MYE4J2	1952	94		99		102		93		103	

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 Run Batch: LB133265 End Date : 11/02/2024

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
MYE4J3	1955	95		97		101		95		103	
MYE4J4	1958	92		94		98		90		99	
CCV002	2001	96		90		94		87		102	
CCB002	2004	99		94		97		97		103	
MYE4J5	2007	98		106		109		98		104	
MYE4J6	2010	93		102		105		95		101	
MYE4J7	2013	96		101		106		98		104	
MYE4J8	2016	95		100		104		97		103	
MYE4J9	2020	96		101		106		96		104	
MYE4L3	2023	96		99		103		96		104	
ZZZZZZ	2036										
ZZZZZZ	2039										
ZZZZZZ	2048										
ZZZZZZ	2052										
ZZZZZZ	2055										
ZZZZZZ	2058										
ZZZZZZ	2101										
ZZZZZZ	2105										
ZZZZZZ	2108										
ZZZZZZ	2111										
ZZZZZZ	2114										
ZZZZZZ	2117										
ZZZZZZ	2120										
ZZZZZZ	2123										
ZZZZZZ	2126										
ZZZZZZ	2129										
ZZZZZZ	2132										
ZZZZZZ	2136										
ZZZZZZ	2139										
ZZZZZZ	2142										
CCV003	2145	94		88		92		85		100	
CCB003	2148	96		92		95		96		101	

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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	1741	100		100		100		100		100	
S02	1748	102		101		103		103		102	
S03	1751	104		103		103		104		105	
S04	1754	102		101		102		105		104	
S05	1757	101		102		100		106		106	
S06	1800	101		102		100		109		108	
S07	1802	100		100		97		107		107	
S08	1805	102		99		89		102		102	
ICV001	1809	106		104		105		107		106	
ICB001	1812	102		99		99		100		100	
ICSA001	1816	104		104		99		108		108	
ICSAB001	1819	106		104		100		109		109	
CCV001	1822	108		105		98		108		108	
CCB001	1828	107		105		107		108		108	
PBS454	1831	106		105		104		105		105	
LCS454	1834	107		104		106		107		106	
LCSD454	1838	107		106		106		107		106	
MYE4H0	1841	117		114		105		109		108	
MYE4H1	1844	117		114		106		110		109	
MYE4H2	1847	124		114		103		107		107	
MYE4H2D	1850	121		112		100		106		105	
MYE4H2L	1853	106		104		103		104		104	
MYE4H2	1902	103		102		101		104		102	
MYE4H2D	1906	107		104		103		106		106	
MYE4H2L	1909	103		102		104		105		104	
MYE4H2S	1915	117		108		96		102		102	
MYE4H2SRE	1918	117		108		96		103		103	
MYE4H2S	1921	105		102		101		105		105	
MYE4H2SRE	1924	103		102		100		105		104	
MYE4H3	1927	113		109		104		105		106	
MYE4H4	1930	112		110		103		106		107	
MYE4H5	1934	109		107		98		104		102	
MYE4H6	1937	107		108		101		105		105	
MYE4H8	1940	106		107		100		104		104	
MYE4H9	1943	109		109		101		104		105	
MYE4J0	1946	107		107		101		105		105	
MYE4J1	1949	105		106		101		106		107	
MYE4J2	1952	107		108		100		105		105	

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
MYE4J3	1955	104		105		101		105		105	
MYE4J4	1958	105		106		100		105		105	
CCV002	2001	99		99		93		105		106	
CCB002	2004	101		103		104		106		107	
MYE4J5	2007	114		113		105		108		107	
MYE4J6	2010	111		112		102		106		107	
MYE4J7	2013	107		108		102		107		107	
MYE4J8	2016	107		108		104		107		106	
MYE4J9	2020	108		111		103		108		107	
MYE4L3	2023	105		108		101		106		105	
ZZZZZZ	2036										
ZZZZZZ	2039										
ZZZZZZ	2048										
ZZZZZZ	2052										
ZZZZZZ	2055										
ZZZZZZ	2058										
ZZZZZZ	2101										
ZZZZZZ	2105										
ZZZZZZ	2108										
ZZZZZZ	2111										
ZZZZZZ	2114										
ZZZZZZ	2117										
ZZZZZZ	2120										
ZZZZZZ	2123										
ZZZZZZ	2126										
ZZZZZZ	2129										
ZZZZZZ	2132										
ZZZZZZ	2136										
ZZZZZZ	2139										
ZZZZZZ	2142										
CCV003	2145	95		96		90		102		103	
CCB003	2148	98		101		103		105		106	

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51817 MA No.: SDG No.: MYE4H0
 Instrument ID: P7 Start Date : 11/10/2024
 Run Batch: LB133382 End Date : 11/11/2024

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	
S00	2304	100		100		100		100		100	
S02	2311	105		103		103		104		104	
S03	2314	106		103		103		103		105	
S04	2317	108		103		104		103		107	
S05	2320	104		100		101		99		105	
S06	2323	105		102		105		101		110	
S07	2325	98		100		104		98		109	
S08	2328	78		86		86		77		87	
ICV005	2340	106		116		116		115		112	
ICB005	2344	105		114		114		113		112	
ICSA005	2347	94		112		116		108		116	
ICSAB005	2350	85		114		120		110		118	
CCV011	0007	95		118		120		109		119	
CCB011	0010	100		115		118		117		117	
ZZZZZZ	0014										
ZZZZZZ	0017										
ZZZZZZ	0021										
ZZZZZZ	0024										
ZZZZZZ	0027										
ZZZZZZ	0030										
ZZZZZZ	0034										
ZZZZZZ	0037										
ZZZZZZ	0040										
ZZZZZZ	0043										
ZZZZZZ	0046										
ZZZZZZ	0049										
ZZZZZZ	0052										
ZZZZZZ	0055										
ZZZZZZ	0058										
ZZZZZZ	0101										
ZZZZZZ	0104										
ZZZZZZ	0107										
ZZZZZZ	0110										
ZZZZZZ	0113										
ZZZZZZ	0116										
ZZZZZZ	0119										
ZZZZZZ	0122										
MYE4H2ARE	0125	75		109		117		105		114	

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Contract: 68HERH20D0011

MA No.: SDG No.: MYE4H0

Start Date : 11/10/2024

End Date : 11/11/2024

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
MYE4H2ARE	0128	84		106		113		110		116	
ZZZZZZ	0131										
ZZZZZZ	0134										
ZZZZZZ	0137										
ZZZZZZ	0140										
ZZZZZZ	0143										
ZZZZZZ	0146										
CCV012	0149	84		104		110		101		115	
CCB012	0153	91		103		109		108		111	
ZZZZZZ	0157										
ZZZZZZ	0200										
ZZZZZZ	0203										
ZZZZZZ	0206										
ZZZZZZ	0209										
ZZZZZZ	0212										
ZZZZZZ	0215										
ZZZZZZ	0218										
ZZZZZZ	0221										
ZZZZZZ	0224										
ZZZZZZ	0227										
ZZZZZZ	0230										
ZZZZZZ	0233										
ZZZZZZ	0236										
ZZZZZZ	0239										
ZZZZZZ	0242										
ZZZZZZ	0245										
ZZZZZZ	0248										
ZZZZZZ	0251										
ZZZZZZ	0253										
ZZZZZZ	0256										
ZZZZZZ	0259										
ZZZZZZ	0302										
ZZZZZZ	0305										
ZZZZZZ	0308										
ZZZZZZ	0311										
CCV013	0315	83		96		103		96		112	
CCB013	0317	91		101		106		107		113	
MYE4H2ARE	0324	88		105		110		103		111	

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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Instrument ID: P7	Start Date : 11/10/2024
Run Batch: LB133382	End Date : 11/11/2024

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	0327										
ZZZZZZ	0330										
ZZZZZZ	0333										
ZZZZZZ	0336										
ZZZZZZ	0339										
ZZZZZZ	0342										
ZZZZZZ	0345										
ZZZZZZ	0348										
ZZZZZZ	0351										
ZZZZZZ	0354										
ZZZZZZ	0357										
ZZZZZZ	0400										
ZZZZZZ	0403										
ZZZZZZ	0406										
ZZZZZZ	0409										
ZZZZZZ	0412										
ZZZZZZ	0415										
ZZZZZZ	0418										
ZZZZZZ	0421										
ZZZZZZ	0424										
ZZZZZZ	0427										
ZZZZZZ	0430										
ZZZZZZ	0433										
ZZZZZZ	0436										
ZZZZZZ	0439										
ZZZZZZ	0442										
CCV014	0445	83		90		97		91		108	
CCB014	0448	90		95		101		102		109	

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
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 Run Batch: LB133382 End Date : 11/11/2024

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
S00	2304	100		100		100		100		100	
S02	2311	99		100		100		100		100	
S03	2314	99		100		101		102		103	
S04	2317	100		101		99		104		103	
S05	2320	98		100		100		105		105	
S06	2323	100		101		98		105		105	
S07	2325	102		101		97		104		104	
S08	2328	100		99		87		98		97	
ICV005	2340	114		115		112		109		111	
ICB005	2344	111		111		111		108		108	
ICSA005	2347	116		114		107		110		109	
ICSAB005	2350	119		115		108		109		109	
CCV011	0007	115		114		102		109		110	
CCB011	0010	118		117		115		110		111	
ZZZZZZ	0014										
ZZZZZZ	0017										
ZZZZZZ	0021										
ZZZZZZ	0024										
ZZZZZZ	0027										
ZZZZZZ	0030										
ZZZZZZ	0034										
ZZZZZZ	0037										
ZZZZZZ	0040										
ZZZZZZ	0043										
ZZZZZZ	0046										
ZZZZZZ	0049										
ZZZZZZ	0052										
ZZZZZZ	0055										
ZZZZZZ	0058										
ZZZZZZ	0101										
ZZZZZZ	0104										
ZZZZZZ	0107										
ZZZZZZ	0110										
ZZZZZZ	0113										
ZZZZZZ	0116										
ZZZZZZ	0119										
ZZZZZZ	0122										
MYE4H2ARE	0125	115		113		104		105		106	

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Run Batch: LB133382 End Date : 11/11/2024

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
MYE4H2ARE	0128	109		109		108		108		109	
ZZZZZZ	0131										
ZZZZZZ	0134										
ZZZZZZ	0137										
ZZZZZZ	0140										
ZZZZZZ	0143										
ZZZZZZ	0146										
CCV012	0149	104		106		99		106		108	
CCB012	0153	106		109		110		107		109	
ZZZZZZ	0157										
ZZZZZZ	0200										
ZZZZZZ	0203										
ZZZZZZ	0206										
ZZZZZZ	0209										
ZZZZZZ	0212										
ZZZZZZ	0215										
ZZZZZZ	0218										
ZZZZZZ	0221										
ZZZZZZ	0224										
ZZZZZZ	0227										
ZZZZZZ	0230										
ZZZZZZ	0233										
ZZZZZZ	0236										
ZZZZZZ	0239										
ZZZZZZ	0242										
ZZZZZZ	0245										
ZZZZZZ	0248										
ZZZZZZ	0251										
ZZZZZZ	0253										
ZZZZZZ	0256										
ZZZZZZ	0259										
ZZZZZZ	0302										
ZZZZZZ	0305										
ZZZZZZ	0308										
ZZZZZZ	0311										
CCV013	0315	97		101		95		105		107	
CCB013	0317	99		102		105		106		107	
MYE4H2ARE	0324	104		105		102		104		105	

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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	0327										
ZZZZZZ	0330										
ZZZZZZ	0333										
ZZZZZZ	0336										
ZZZZZZ	0339										
ZZZZZZ	0342										
ZZZZZZ	0345										
ZZZZZZ	0348										
ZZZZZZ	0351										
ZZZZZZ	0354										
ZZZZZZ	0357										
ZZZZZZ	0400										
ZZZZZZ	0403										
ZZZZZZ	0406										
ZZZZZZ	0409										
ZZZZZZ	0412										
ZZZZZZ	0415										
ZZZZZZ	0418										
ZZZZZZ	0421										
ZZZZZZ	0424										
ZZZZZZ	0427										
ZZZZZZ	0430										
ZZZZZZ	0433										
ZZZZZZ	0436										
ZZZZZZ	0439										
ZZZZZZ	0442										
CCV014	0445	93		96		91		102		103	
CCB014	0448	94		98		101		103		104	