

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.: MYE5L3
 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										
ZZZZZZ	0125										

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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	0128										
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	
ZZZZZZ	0324										

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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	0521										
ZZZZZZ	0524										
ZZZZZZ	0527										
ZZZZZZ	0530										
ZZZZZZ	0533										
ZZZZZZ	0536										
ZZZZZZ	0540										
ZZZZZZ	0542										
ZZZZZZ	0546										
ZZZZZZ	0549										
ZZZZZZ	0552										
ZZZZZZ	0555										
ZZZZZZ	0558										
ZZZZZZ	0601										
ZZZZZZ	0604										
ZZZZZZ	0607										
ZZZZZZ	0610										
CCV015	0614	89		95		100		94		110	
CCB015	0616	93		97		102		102		108	
ZZZZZZ	0620										
ZZZZZZ	0623										
ZZZZZZ	0626										
ZZZZZZ	0629										
ZZZZZZ	0632										
ZZZZZZ	0635										
ZZZZZZ	0638										
ZZZZZZ	0641										
ZZZZZZ	0644										
ZZZZZZ	0648										
ZZZZZZ	0651										
ZZZZZZ	0654										
ZZZZZZ	0657										
PBW798	0701	97		107		111		112		114	
LCS798	0704	94		103		106		107		109	
ZZZZZZ	0707										
ZZZZZZ	0710										
ZZZZZZ	0713										
ZZZZZZ	0716										

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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	0719										
ZZZZZZ	0722										
ZZZZZZ	0725										
ZZZZZZ	0728										
ZZZZZZ	0732										
ZZZZZZ	0735										
ZZZZZZ	0738										
CCV016	0741	82		91		98		91		107	
CCB016	0744	92		97		104		104		110	
ZZZZZZ	0747										
ZZZZZZ	0750										
ZZZZZZ	0753										
ZZZZZZ	0756										
ZZZZZZ	0759										
ZZZZZZ	0802										
ZZZZZZ	0805										
ZZZZZZ	0808										
ZZZZZZ	0811										
ZZZZZZ	0814										
ZZZZZZ	0817										
ZZZZZZ	0820										
ZZZZZZ	0823										
ZZZZZZ	0826										
ZZZZZZ	0829										
ZZZZZZ	0832										
ZZZZZZ	0835										
ZZZZZZ	0838										
ZZZZZZ	0841										
ZZZZZZ	0845										
ZZZZZZ	0848										
ZZZZZZ	0851										
ZZZZZZ	0854										
ZZZZZZ	0858										
ZZZZZZ	0901										
ZZZZZZ	0904										
ICSA006	0907	85		94		101		97		111	
ICSAB006	0910	80		96		106		100		115	
CCV017	0913	79		96		104		96		109	

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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
CCB017	0916	6Li	90	45Sc	98	89Y	104	103Rh	105	159Tb	110
ZZZZZZ	0919										
ZZZZZZ	0922										
MYE5L3	0925	94		99		106		107		113	
MYE5L4	0929	95		98		104		104		111	
MYE5L5	0932	98		99		105		106		113	
MYE5L6	0935	97		97		103		104		110	
MYE5L7	0938	94		95		100		100		108	
MYE5L8	0942	94		93		99		99		107	
MYE5L9	0945	98		96		102		103		111	
MYE5M0	0948	104		99		105		105		114	
MYE5M1	0951	101		98		103		105		113	
MYE5M2	0955	96		94		99		99		107	
ZZZZZZ	0958										
ZZZZZZ	1001										
ZZZZZZ	1004										
ZZZZZZ	1008										
ZZZZZZ	1011										
ZZZZZZ	1014										
ZZZZZZ	1017										
ZZZZZZ	1020										
ZZZZZZ	1023										
ZZZZZZ	1026										
ZZZZZZ	1029										
ZZZZZZ	1032										
ZZZZZZ	1035										
ZZZZZZ	1038										
CCV018	1041	77		90		97		91		107	
CCB018	1044	90		100		109		109		115	

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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
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										
ZZZZZZ	0125										

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MA No.: SDG No.: MYE5L3

Start Date : 11/10/2024

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		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	
ZZZZZZ	0451										
ZZZZZZ	0454										
ZZZZZZ	0457										
ZZZZZZ	0500										
ZZZZZZ	0503										
ZZZZZZ	0506										
ZZZZZZ	0509										
ZZZZZZ	0512										
ZZZZZZ	0515										
ZZZZZZ	0518										

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
ZZZZZZ	0521										
ZZZZZZ	0524										
ZZZZZZ	0527										
ZZZZZZ	0530										
ZZZZZZ	0533										
ZZZZZZ	0536										
ZZZZZZ	0540										
ZZZZZZ	0542										
ZZZZZZ	0546										
ZZZZZZ	0549										
ZZZZZZ	0552										
ZZZZZZ	0555										
ZZZZZZ	0558										
ZZZZZZ	0601										
ZZZZZZ	0604										
ZZZZZZ	0607										
ZZZZZZ	0610										
CCV015	0614	93		96		90		102		102	
CCB015	0616	95		98		100		103		103	
ZZZZZZ	0620										
ZZZZZZ	0623										
ZZZZZZ	0626										
ZZZZZZ	0629										
ZZZZZZ	0632										
ZZZZZZ	0635										
ZZZZZZ	0638										
ZZZZZZ	0641										
ZZZZZZ	0644										
ZZZZZZ	0648										
ZZZZZZ	0651										
ZZZZZZ	0654										
ZZZZZZ	0657										
PBW798	0701	101		104		105		105		106	
LCS798	0704	100		102		103		103		104	
ZZZZZZ	0707										
ZZZZZZ	0710										
ZZZZZZ	0713										
ZZZZZZ	0716										

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		Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	0719										
ZZZZZZ	0722										
ZZZZZZ	0725										
ZZZZZZ	0728										
ZZZZZZ	0732										
ZZZZZZ	0735										
ZZZZZZ	0738										
CCV016	0741	93		96		91		101		102	
CCB016	0744	96		99		102		104		104	
ZZZZZZ	0747										
ZZZZZZ	0750										
ZZZZZZ	0753										
ZZZZZZ	0756										
ZZZZZZ	0759										
ZZZZZZ	0802										
ZZZZZZ	0805										
ZZZZZZ	0808										
ZZZZZZ	0811										
ZZZZZZ	0814										
ZZZZZZ	0817										
ZZZZZZ	0820										
ZZZZZZ	0823										
ZZZZZZ	0826										
ZZZZZZ	0829										
ZZZZZZ	0832										
ZZZZZZ	0835										
ZZZZZZ	0838										
ZZZZZZ	0841										
ZZZZZZ	0845										
ZZZZZZ	0848										
ZZZZZZ	0851										
ZZZZZZ	0854										
ZZZZZZ	0858										
ZZZZZZ	0901										
ZZZZZZ	0904										
ICSA006	0907	97		98		96		104		105	
ICSAB006	0910	100		101		99		104		105	
CCV017	0913	98		100		93		100		101	

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		Element		Element		Element		Element		Element	
		45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
CCB017	0916	97		99		101		103		103	
ZZZZZZ	0919										
ZZZZZZ	0922										
MYE5L3	0925	97		99		102		104		105	
MYE5L4	0929	96		98		101		104		103	
MYE5L5	0932	96		99		101		103		105	
MYE5L6	0935	94		98		102		104		105	
MYE5L7	0938	92		96		99		102		103	
MYE5L8	0942	92		94		97		101		103	
MYE5L9	0945	94		97		101		103		105	
MYE5M0	0948	93		97		100		104		104	
MYE5M1	0951	94		96		100		103		105	
MYE5M2	0955	91		94		98		100		102	
ZZZZZZ	0958										
ZZZZZZ	1001										
ZZZZZZ	1004										
ZZZZZZ	1008										
ZZZZZZ	1011										
ZZZZZZ	1014										
ZZZZZZ	1017										
ZZZZZZ	1020										
ZZZZZZ	1023										
ZZZZZZ	1026										
ZZZZZZ	1029										
ZZZZZZ	1032										
ZZZZZZ	1035										
ZZZZZZ	1038										
CCV018	1041	93		96		91		100		102	
CCB018	1044	97		101		105		107		107	