

FORM 14-IN

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51772 MA No.: SDG No.: MYDAL9
 Instrument ID: P7 Start Date : 10/26/2024
 Run Batch: LB133150 End Date : 10/27/2024

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
S0	1818	100		100		100		100		100	
S02	1822	103		101		102		102		101	
S03	1825	108		100		101		100		102	
S04	1828	109		96		98		96		102	
S05	1831	110		93		97		95		103	
S06	1834	109		93		97		94		105	
S07	1837	110		94		98		93		105	
S08	1839	105		95		97		87		103	
ICV001	1851	102		97		99		97		102	
ICB001	1857	101		101		102		102		104	
ICSA001	1900	109		98		101		95		106	
ICSAB001	1903	108		99		102		96		110	
CCV001	1910	99		98		100		92		104	
CCB001	1914	102		98		102		102		106	
ZZZZZZ	1917										
ZZZZZZ	1920										
ZZZZZZ	1924										
ZZZZZZ	1927										
ZZZZZZ	1930										
ZZZZZZ	1933										
ZZZZZZ	1937										
ZZZZZZ	1940										
ZZZZZZ	1943										
ZZZZZZ	1946										
ZZZZZZ	1949										
ZZZZZZ	1952										
ZZZZZZ	1955										
ZZZZZZ	1959										
ZZZZZZ	2002										
ZZZZZZ	2005										
ZZZZZZ	2008										
ZZZZZZ	2011										
ZZZZZZ	2014										
ZZZZZZ	2017										
ZZZZZZ	2020										
ZZZZZZ	2025										
ZZZZZZ	2028										
ZZZZZZ	2031										

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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Lab Name:	Alliance Technical Group, LLC	Contract:	68HERH20D0011
Lab Code:	ACE	Case No.:	51772
		MA No.:	SDG No.: MYDAL9
Instrument ID:	P7	Start Date :	10/26/2024
Run Batch:	LB133150	End Date :	10/27/2024

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 Instrument ID: P7 Start Date : 10/26/2024
 Run Batch: LB133150 End Date : 10/27/2024

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	2253										
ZZZZZZ	2256										
ZZZZZZ	2259										
ZZZZZZ	2302										
ZZZZZZ	2305										
ZZZZZZ	2308										
ZZZZZZ	2311										
ZZZZZZ	2314										
ZZZZZZ	2318										
ZZZZZZ	2321										
ZZZZZZ	2324										
ZZZZZZ	2327										
ZZZZZZ	2330										
ZZZZZZ	2333										
ZZZZZZ	2337										
ZZZZZZ	2340										
ZZZZZZ	2343										
ZZZZZZ	2346										
ZZZZZZ	2349										
ZZZZZZ	2353										
CCV004	2356	87		94		101		93		108	
CCB004	2358	89		96		102		102		107	
ZZZZZZ	0004										
ZZZZZZ	0007										
ZZZZZZ	0011										
PBS169	0014	76		99		104		103		107	
LCS169	0017	78		96		102		101		105	
LCSD169	0020	80		98		103		101		106	
MYDAL9	0024	83		96		103		97		102	
MYDAM0	0027	82		93		100		93		101	
MYDAM1	0030	82		96		103		94		103	
MYDAM2	0033	81		95		102		94		102	
MYDAM3	0036	78		96		105		95		103	
MYDAM4	0040	83		96		105		95		104	
MYDAM5	0053	75		96		104		95		102	
MYDAM6	0057	80		96		105		95		102	
MYDAM7	0100	81		97		106		96		104	
MYDAM8	0103	79		97		104		97		105	

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
MYDAM9	0106	84		95		101		98		105	
MYDAM9D	0109	83		94		102		96		103	
MYDAM9L	0112	85		90		97		95		104	
MYDAM9S	0116	86		93		99		95		103	
MYDAM9SRE	0119	87		92		99		93		103	
MYDAN0	0122	85		94		102		93		103	
MYDAN2	0125	81		96		104		95		104	
MYDAN3	0128	78		94		102		95		104	
MYDAN4	0131	79		97		106		94		103	
MYDAN5	0134	81		96		105		95		105	
CCV005	0137	94		92		98		92		107	
CCB005	0140	90		92		98		98		106	
MYDAN6	0143	75		97		103		94		101	
MYDAN7	0147	75		98		105		97		102	
MYDAN8	0150	78		97		106		96		105	
MYDAN9	0200	80		99		106		96		102	
CCV006	0204	90		92		97		90		104	
CCB006	0214	86		94		100		99		104	

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 Instrument ID: P7 Start Date : 10/26/2024
 Run Batch: LB133150 End Date : 10/27/2024

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
S0	1818	100		100		100		100		100	
S02	1822	101		100		103		102		101	
S03	1825	98		98		100		104		101	
S04	1828	93		96		97		103		102	
S05	1831	92		95		96		103		101	
S06	1834	92		96		95		104		103	
S07	1837	94		97		95		105		104	
S08	1839	96		98		89		103		103	
ICV001	1851	99		100		101		102		101	
ICB001	1857	100		102		103		104		104	
ICSA001	1900	97		100		97		107		107	
ICSAB001	1903	98		99		96		105		106	
CCV001	1910	99		99		94		103		103	
CCB001	1914	97		100		104		105		104	
ZZZZZZ	1917										
ZZZZZZ	1920										
ZZZZZZ	1924										
ZZZZZZ	1927										
ZZZZZZ	1930										
ZZZZZZ	1933										
ZZZZZZ	1937										
ZZZZZZ	1940										
ZZZZZZ	1943										
ZZZZZZ	1946										
ZZZZZZ	1949										
ZZZZZZ	1952										
ZZZZZZ	1955										
ZZZZZZ	1959										
ZZZZZZ	2002										
ZZZZZZ	2005										
ZZZZZZ	2008										
ZZZZZZ	2011										
ZZZZZZ	2014										
ZZZZZZ	2017										
ZZZZZZ	2020										
ZZZZZZ	2025										
ZZZZZZ	2028										
ZZZZZZ	2031										

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Lab Name:	Alliance Technical Group, LLC	Contract:	68HERH20D0011
Lab Code:	ACE	Case No.:	51772
		MA No.:	SDG No.: MYDAL9
Instrument ID:	P7	Start Date :	10/26/2024
Run Batch:	LB133150	End Date :	10/27/2024

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 Lab Code: ACE Case No.: 51772 MA No.: SDG No.: MYDAL9
 Instrument ID: P7 Start Date : 10/26/2024
 Run Batch: LB133150 End Date : 10/27/2024

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
ZZZZZZ	2253										
ZZZZZZ	2256										
ZZZZZZ	2259										
ZZZZZZ	2302										
ZZZZZZ	2305										
ZZZZZZ	2308										
ZZZZZZ	2311										
ZZZZZZ	2314										
ZZZZZZ	2318										
ZZZZZZ	2321										
ZZZZZZ	2324										
ZZZZZZ	2327										
ZZZZZZ	2330										
ZZZZZZ	2333										
ZZZZZZ	2337										
ZZZZZZ	2340										
ZZZZZZ	2343										
ZZZZZZ	2346										
ZZZZZZ	2349										
ZZZZZZ	2353										
CCV004	2356	93		95		92		102		103	
CCB004	2358	94		97		101		103		102	
ZZZZZZ	0004										
ZZZZZZ	0007										
ZZZZZZ	0011										
PBS169	0014	97		99		101		101		99	
LCS169	0017	95		99		101		101		102	
LCSD169	0020	96		99		101		100		100	
MYDAL9	0024	96		99		97		99		99	
MYDAM0	0027	95		99		95		99		98	
MYDAM1	0030	95		100		96		98		98	
MYDAM2	0033	95		100		96		99		99	
MYDAM3	0036	97		101		96		100		99	
MYDAM4	0040	96		101		96		101		99	
MYDAM5	0053	94		99		96		98		97	
MYDAM6	0057	97		102		96		100		100	
MYDAM7	0100	96		101		97		101		100	
MYDAM8	0103	96		100		97		101		100	

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51772 MA No.: SDG No.: MYDAL9
 Instrument ID: P7 Start Date : 10/26/2024
 Run Batch: LB133150 End Date : 10/27/2024

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
MYDAM9	0106	93		99		98		101		100	
MYDAM9D	0109	93		98		98		100		101	
MYDAM9L	0112	89		93		96		98		97	
MYDAM9S	0116	91		96		94		99		99	
MYDAM9SRE	0119	90		96		94		100		99	
MYDAN0	0122	94		99		96		101		100	
MYDAN2	0125	96		101		97		101		101	
MYDAN3	0128	95		100		97		101		101	
MYDAN4	0131	96		101		95		100		100	
MYDAN5	0134	95		99		96		101		99	
CCV005	0137	89		92		90		100		102	
CCB005	0140	90		95		98		99		100	
MYDAN6	0143	99		102		97		99		98	
MYDAN7	0147	98		101		97		99		100	
MYDAN8	0150	89		94		88		91		91	
MYDAN9	0200	97		102		96		100		99	
CCV006	0204	89		92		89		99		100	
CCB006	0214	92		96		100		101		99	

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ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51772 MA No.: SDG No.: MYDAL9
 Instrument ID: P7 Start Date : 10/27/2024
 Run Batch: LB133170 End Date : 10/27/2024

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	1555	100		100		100		100		100	
S02	1558	104		102		103		102		103	
S03	1601	104		105		106		104		106	
S04	1605	107		106		108		106		109	
S05	1608	111		107		109		107		110	
S06	1610	109		107		111		107		114	
S07	1616	107		107		112		107		116	
S08	1619	110		108		109		100		113	
ICV002	1629	101		112		112		109		109	
ICB002	1637	98		104		106		106		106	
ICSA002	1643	97		105		108		103		108	
ICSAB002	1647	100		113		117		112		118	
CCV007	1658	97		112		115		105		115	
CCB007	1707	93		107		110		107		110	
ZZZZZZ	1711										
ZZZZZZ	1714										
ZZZZZZ	1718										
ZZZZZZ	1721										
ZZZZZZ	1724										
ZZZZZZ	1727										
ZZZZZZ	1731										
ZZZZZZ	1737										
ZZZZZZ	1741										
ZZZZZZ	1744										
ZZZZZZ	1747										
ZZZZZZ	1750										
ZZZZZZ	1754										
ZZZZZZ	1757										
ZZZZZZ	1800										
MYDAM9	1803	92		109		112		109		112	
MYDAM9D	1807	93		111		115		111		113	
MYDAM9L	1810	94		110		113		111		113	
MYDAM9S	1813	95		112		114		111		113	
MYDAM9SRE	1817	96		110		115		111		113	
CCV008	1820	98		113		116		107		117	
CCB008	1823	89		106		108		106		107	

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ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51772 MA No.: SDG No.: MYDAL9
 Instrument ID: P7 Start Date : 10/27/2024
 Run Batch: LB133170 End Date : 10/27/2024

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
S0	1555	100		100		100		100		100	
S02	1558	101		98		100		100		101	
S03	1601	103		101		104		103		103	
S04	1605	103		101		103		106		106	
S05	1608	102		102		103		105		106	
S06	1610	101		102		102		107		108	
S07	1616	101		102		102		109		109	
S08	1619	106		105		98		108		109	
ICV002	1629	110		108		108		106		107	
ICB002	1637	104		103		104		101		102	
ICSA002	1643	105		106		103		107		106	
ICSAB002	1647	108		107		104		108		108	
CCV007	1658	110		106		102		108		108	
CCB007	1707	106		105		108		106		105	
ZZZZZZ	1711										
ZZZZZZ	1714										
ZZZZZZ	1718										
ZZZZZZ	1721										
ZZZZZZ	1724										
ZZZZZZ	1727										
ZZZZZZ	1731										
ZZZZZZ	1737										
ZZZZZZ	1741										
ZZZZZZ	1744										
ZZZZZZ	1747										
ZZZZZZ	1750										
ZZZZZZ	1754										
ZZZZZZ	1757										
ZZZZZZ	1800										
MYDAM9	1803	108		108		109		106		106	
MYDAM9D	1807	109		109		108		107		107	
MYDAM9L	1810	109		107		109		108		107	
MYDAM9S	1813	109		108		107		106		107	
MYDAM9SRE	1817	108		108		107		106		107	
CCV008	1820	111		107		103		108		109	
CCB008	1823	105		105		105		103		103	

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ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51772 MA No.: SDG No.: MYDAL9
 Instrument ID: P7 Start Date : 10/28/2024
 Run Batch: LB133179 End Date : 10/28/2024

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	1322	100		100		100		100		100	
S02	1326	98		99		99		99		99	
S03	1329	96		97		97		98		98	
S04	1332	102		99		100		99		101	
S05	1335	109		100		101		99		103	
S06	1338	113		100		103		100		104	
S07	1341	116		99		103		99		105	
S08	1344	112		99		99		91		103	
ICV003	1403	104		100		100		99		101	
ICB003	1406	101		98		98		97		98	
ICSA004	1410	107		99		102		98		105	
ICSAB004	1413	108		104		105		100		107	
CCV018	1416	106		102		105		97		107	
CCB018	1419	109		102		104		103		107	
ZZZZZZ	1422										
ZZZZZZ	1425										
ZZZZZZ	1429										
ZZZZZZ	1432										
ZZZZZZ	1435										
ZZZZZZ	1438										
ZZZZZZ	1442										
ZZZZZZ	1446										
ZZZZZZ	1449										
ZZZZZZ	1452										
ZZZZZZ	1455										
ZZZZZZ	1458										
ZZZZZZ	1502										
ZZZZZZ	1505										
ZZZZZZ	1508										
ZZZZZZ	1511										
ZZZZZZ	1515										
ZZZZZZ	1518										
ZZZZZZ	1521										
ZZZZZZ	1525										
CCV019	1528	98		98		102		95		105	
CCB019	1535	97		101		102		102		104	
ZZZZZZ	1539										
ZZZZZZ	1542										

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Instrument ID: <u>P7</u>	Start Date : <u>10/28/2024</u>
Run Batch: <u>LB133179</u>	End Date : <u>10/28/2024</u>

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	1545										
ZZZZZZ	1549										
ZZZZZZ	1552										
ZZZZZZ	1555										
ZZZZZZ	1559										
ZZZZZZ	1602										
ZZZZZZ	1605										
ZZZZZZ	1609										
ZZZZZZ	1612										
ZZZZZZ	1615										
ZZZZZZ	1619										
ZZZZZZ	1622										
ZZZZZZ	1625										
ZZZZZZ	1629										
ZZZZZZ	1632										
ZZZZZZ	1635										
ZZZZZZ	1638										
ZZZZZZ	1641										
ZZZZZZ	1645										
ZZZZZZ	1648										
ZZZZZZ	1651										
CCV020	1655	99		99		104		96		106	
CCB020	1658	101		98		101		102		106	
ZZZZZZ	1701										
ZZZZZZ	1705										
ZZZZZZ	1708										
MYDAM9ARE	1711	90		104		109		103		108	
ZZZZZZ	1714										
ZZZZZZ	1717										
ZZZZZZ	1720										
ZZZZZZ	1724										
ZZZZZZ	1727										
ZZZZZZ	1730										
ZZZZZZ	1733										
ZZZZZZ	1736										
ZZZZZZ	1739										
CCV021	1743	92		97		103		94		104	
CCB021	1745	96		99		103		103		106	

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Lab Name:	Alliance Technical Group, LLC	Contract:	68HERH20D0011
Lab Code:	ACE	Case No.:	51772
		MA No.:	SDG No.: MYDAL9
Instrument ID:	P7	Start Date :	10/28/2024
Run Batch:	LB133179	End Date :	10/28/2024

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 Lab Code: ACE Case No.: 51772 MA No.: SDG No.: MYDAL9
 Instrument ID: P7 Start Date : 10/28/2024
 Run Batch: LB133179 End Date : 10/28/2024

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
S0	1322	100		100		100		100		100	
S02	1326	100		100		99		101		102	
S03	1329	99		99		99		101		101	
S04	1332	100		100		99		102		105	
S05	1335	99		100		100		104		107	
S06	1338	100		100		100		107		109	
S07	1341	97		98		97		107		108	
S08	1344	99		100		92		106		107	
ICV003	1403	100		100		101		102		103	
ICB003	1406	97		98		98		100		100	
ICSA004	1410	102		104		100		109		110	
ICSAB004	1413	104		104		102		110		111	
CCV018	1416	102		104		98		107		109	
CCB018	1419	99		102		104		107		108	
ZZZZZZ	1422										
ZZZZZZ	1425										
ZZZZZZ	1429										
ZZZZZZ	1432										
ZZZZZZ	1435										
ZZZZZZ	1438										
ZZZZZZ	1442										
ZZZZZZ	1446										
ZZZZZZ	1449										
ZZZZZZ	1452										
ZZZZZZ	1455										
ZZZZZZ	1458										
ZZZZZZ	1502										
ZZZZZZ	1505										
ZZZZZZ	1508										
ZZZZZZ	1511										
ZZZZZZ	1515										
ZZZZZZ	1518										
ZZZZZZ	1521										
ZZZZZZ	1525										
CCV019	1528	97		100		96		106		106	
CCB019	1535	98		102		102		104		105	
ZZZZZZ	1539										
ZZZZZZ	1542										

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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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	1545										
ZZZZZZ	1549										
ZZZZZZ	1552										
ZZZZZZ	1555										
ZZZZZZ	1559										
ZZZZZZ	1602										
ZZZZZZ	1605										
ZZZZZZ	1609										
ZZZZZZ	1612										
ZZZZZZ	1615										
ZZZZZZ	1619										
ZZZZZZ	1622										
ZZZZZZ	1625										
ZZZZZZ	1629										
ZZZZZZ	1632										
ZZZZZZ	1635										
ZZZZZZ	1638										
ZZZZZZ	1641										
ZZZZZZ	1645										
ZZZZZZ	1648										
ZZZZZZ	1651										
CCV020	1655	98		101		97		106		108	
CCB020	1658	95		99		101		103		105	
ZZZZZZ	1701										
ZZZZZZ	1705										
ZZZZZZ	1708										
MYDAM9ARE	1711	105		109		104		109		109	
ZZZZZZ	1714										
ZZZZZZ	1717										
ZZZZZZ	1720										
ZZZZZZ	1724										
ZZZZZZ	1727										
ZZZZZZ	1730										
ZZZZZZ	1733										
ZZZZZZ	1736										
ZZZZZZ	1739										
CCV021	1743	95		98		95		104		106	
CCB021	1745	95		99		102		105		107	

ICP-MS	INTERNAL	STANDARD	RELATIVE	INTENSITY	SUMMARY
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Lab Name:	Alliance Technical Group, LLC	Contract:	68HERH20D0011
Lab Code:	ACE	Case No.:	51772
		MA No.:	SDG No.: MYDAL9
Instrument ID:	P7	Start Date :	10/28/2024
Run Batch:	LB133179	End Date :	10/28/2024

[illegible]