

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: US Army Corp of Engineers

Contract: USAR03

Lab Code: CHEM Case no.: Q2085

Sas No.: Q2085 SDG No.: Q2085

Instrument ID: P8

Start Date : 05/21/2025

Run Number: LB135886

End Date : 05/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1353	100		100		100		100		100	
S2	S2	1400	102		100		101		99		99	
S3	S3	1403	103		98		100		97		100	
S4	S4	1407	104		96		98		94		100	
S5	S5	1409	101		94		96		91		97	
S6	S6	1412	100		91		93		88		97	
S7	S7	1415	95		89		91		84		95	
S8	S8	1418	86		84		88		75		90	
ICV01	ICV01	1430	103		99		101		98		101	
LLICV01	LLICV01	1433	104		99		101		98		100	
ICB01	ICB01	1437	104		101		103		101		102	
ICSA01	ICSA01	1440	99		96		97		88		99	
ICSAB01	ICSAB01	1443	100		97		100		91		101	
CCV01	CCV01	1451	92		92		94		84		96	
CCB01	CCB01	1457	105		101		103		101		103	
CRI	CRI	1500	103		103		105		101		104	
ZZZZZZ	ZZZZZZ	1531										
ZZZZZZ	ZZZZZZ	1534										
ZZZZZZ	ZZZZZZ	1537										
ZZZZZZ	ZZZZZZ	1540										
ZZZZZZ	ZZZZZZ	1543										
ZZZZZZ	ZZZZZZ	1546										
ZZZZZZ	ZZZZZZ	1550										
ZZZZZZ	ZZZZZZ	1553										
ZZZZZZ	ZZZZZZ	1556										
CCV02	CCV02	1559	89		89		93		82		94	
CCB02	CCB02	1605	101		101		100		99		101	
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1612										
ZZZZZZ	ZZZZZZ	1615										
ZZZZZZ	ZZZZZZ	1618										
ZZZZZZ	ZZZZZZ	1622										
ZZZZZZ	ZZZZZZ	1624										
ZZZZZZ	ZZZZZZ	1627										
PB168105BL	PB168105BL	1645	98		98		100		98		100	
PB168105BS	PB168105BS	1649	94		95		98		90		99	

Internal Standard %RI Limit: 30 - 120

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			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q2085-01	SC-4-SED-05	1654	102		106		112		100		107	
CCV03	CCV03	1657	89		93		96		85		98	
CCB03	CCB03	1728	99		99		102		99		104	
Q2085-02	SC-3-SED-05	1732	103		109		113		98		107	
Q2085-03	SC-2-SED-05	1735	100		102		105		98		105	
Q2085-04	SC-1-SED-05	1739	101		104		111		98		105	
Q2085-04DUP	SC-1-SED-05	1742	102		105		112		99		106	
Q2085-04L	SC-1-SED-05	1745	101		98		102		97		101	
Q2085-05	SC-1-SED-05	1748	95		104		114		94		102	
Q2085-06	SC-1-SED-05	1751	95		104		114		93		103	
Q2085-04A	SC-1-SED-05	1754	94		104		114		93		104	
Q2085-07	SC-COMP-SED	1756	96		105		111		98		104	
Q2085-08	DUPE-1-SC	1800	94		102		108		97		105	
CCV04	CCV04	1804	84		90		93		83		95	
CCB04	CCB04	1816	93		99		101		99		101	

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			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1353	100		100		100		100		100	
S2	S2	1400	101		102		100		100		102	
S3	S3	1403	99		99		98		98		99	
S4	S4	1407	97		95		95		96		98	
S5	S5	1409	94		93		91		95		96	
S6	S6	1412	93		91		89		93		96	
S7	S7	1415	92		89		84		91		93	
S8	S8	1418	85		86		75		87		89	
ICV01	ICV01	1430	100		100		99		99		101	
LLICV01	LLICV01	1433	100		101		100		99		101	
ICB01	ICB01	1437	100		103		102		100		103	
ICSA01	ICSA01	1440	96		97		91		97		100	
ICSAB01	ICSAB01	1443	96		97		89		96		100	
CCV01	CCV01	1451	94		94		85		93		96	
CCB01	CCB01	1457	101		101		101		99		102	
CRI	CRI	1500	100		101		101		99		101	
ZZZZZZ	ZZZZZZ	1531										
ZZZZZZ	ZZZZZZ	1534										
ZZZZZZ	ZZZZZZ	1537										
ZZZZZZ	ZZZZZZ	1540										
ZZZZZZ	ZZZZZZ	1543										
ZZZZZZ	ZZZZZZ	1546										
ZZZZZZ	ZZZZZZ	1550										
ZZZZZZ	ZZZZZZ	1553										
ZZZZZZ	ZZZZZZ	1556										
CCV02	CCV02	1559	91		91		82		91		93	
CCB02	CCB02	1605	98		99		99		98		100	
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1612										
ZZZZZZ	ZZZZZZ	1615										
ZZZZZZ	ZZZZZZ	1618										
ZZZZZZ	ZZZZZZ	1622										
ZZZZZZ	ZZZZZZ	1624										
ZZZZZZ	ZZZZZZ	1627										
PB168105BL	PB168105BL	1645	97		97		98		95		99	
PB168105BS	PB168105BS	1649	95		93		89		93		95	

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Q2085-01	SC-4-SED-05	1654	105		107		98		99		102	
CCV03	CCV03	1657	97		97		88		96		98	
CCB03	CCB03	1728	98		99		100		98		100	
Q2085-02	SC-3-SED-05	1732	107		108		96		100		102	
Q2085-03	SC-2-SED-05	1735	99		101		100		101		102	
Q2085-04	SC-1-SED-05	1739	102		107		97		100		101	
Q2085-04DUP	SC-1-SED-05	1742	105		109		99		101		104	
Q2085-04L	SC-1-SED-05	1745	97		99		98		96		99	
Q2085-05	SC-1-SED-05	1748	104		108		92		98		99	
Q2085-06	SC-1-SED-05	1751	104		110		93		97		100	
Q2085-04A	SC-1-SED-05	1754	104		110		92		98		100	
Q2085-07	SC-COMP-SED	1756	102		107		97		99		102	
Q2085-08	DUPE-1-SC	1800	100		104		97		98		101	
CCV04	CCV04	1804	91		92		83		90		93	
CCB04	CCB04	1816	98		98		99		96		99	