

# TRIP Intercomparison Results: November 22, 2013

Second Semester QC Sample Results Reference time: 12:00 EST, September 27, 2013

<sup>125</sup> I	Sample activity in Bq	Uncertainty in Bq
Certified value	1.36E+04	4.80E+02

## I-125 Results

<sup>125</sup> I	Lowest value – 25%	Highest value +50%	Root Mean Squared Error of relative bias and relative precision
ANSI 13.30 acceptance criteria	1.02E+04	2.04E+04	<0.25

Facility code	Facility average result in Bq	Facility average uncertainty in Bq	ANSI 13.30 1996 calculated bias	ANSI N13.30 2011 RSME*	Meets ANSI 13.30 1996 acceptance criteria –25% to +50%	Meets ANSI 13.30 2011 acceptance criteria RMSE <0.25*
5	1.33E+04	1.04E+02	-0.02	0.02	Yes	Yes
15	1.24E+04	9.80E+01	-0.09	0.09	Yes	Yes
25	1.25E+04	5.47E+03	-0.08	0.08	Yes	Yes
29	1.27E+04	1.13E+01	-0.07	0.07	Yes	Yes
35	1.27E+04	1.29E+04	-0.06	0.07	Yes	Yes
45	1.30E+04	1.36E+01	-0.04	0.04	Yes	Yes
55	1.45E+04	2.50E+02	0.07	0.08	Yes	Yes
65	1.17E+04	1.58E+03	-0.14	0.14	Yes	Yes
75	1.56E+04	5.28E+02	0.15	0.15	Yes	Yes
85	1.54E+04	3.73E+02	0.14	0.14	Yes	Yes
87	1.23E+04	3.32E+02	-0.10	0.10	Yes	Yes
95	N/R	N/R	N/R	N/R		
99	1.38E+04	3.65E+02	0.01	0.02	Yes	Yes

\*Five replicates required for RSME NR = Not reported

<sup>131</sup> I	Sample activity (Bq)	Uncertainty (Bq)
Certified value	1.91E+04	5.50E+02

## I-131 Results

<sup>131</sup> I	Lowest value (Bq) – 25%	Highest value (Bq) +50%	Root Mean Squared Error of relative bias and relative precision
ANSI 13.30 acceptance criteria	1.43E+04	2.87E+04	<0.25

