

# TRIP Intercomparison Results: January 30, 2015

Second Semester QC Sample Results Reference time: 12:00 EST, October 9, 2014

<sup>125</sup> I	Sample activity in Bq	Uncertainty in Bq
Certified value	1.37E+04	4.87E+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	1.03E+04	2.05E+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	1.57E+04	1.04E+02	0.15	0.15	Yes	Yes
15	1.32E+04	1.02E+02	-0.04	0.04	Yes	Yes
25	1.24E+04	5.43E+03	-0.09	0.09	Yes	Yes
29	1.50E+04	8.46E+02	0.10	0.10	Yes	Yes
35	1.32E+04	4.99E+02	-0.03	0.04	Yes	Yes
39	1.33E+04	4.07E+03	-0.03	0.03	Yes	Yes
45	1.45E+04	1.06E+01	0.06	0.06	Yes	Yes
55	1.43E+04	2.46E+02	0.04	0.05	Yes	Yes
65	1.25E+04	1.55E+03	-0.09	0.09	Yes	Yes
75	1.53E+04	6.19E+02	0.12	0.12	Yes	Yes
85	N/R	N/R	N/R	N/R	N/R	N/R
87	N/R	N/R	N/R	N/R	N/R	N/R
95	N/R	N/R	N/R	N/R	N/R	N/R
97	1.35E+04	5.25E+02	-0.01	0.01	Yes	Yes
99	1.30E+04	9.97E+02	-0.05	0.05	Yes	Yes

\*Five replicates required for RSME NR = Not reported

<sup>131</sup> I	Sample activity (Bq)	Uncertainty (Bq)
Certified value	1.96E+04	2.86E+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	1.47E+04	2.94E+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 RMSE*	Meets ANSI 13.30 1996 acceptance criteria –25% to +50%	Meets ANSI 13.30 2011 acceptance criteria RMSE <0.25*
5	2.12E+04	237E+02	0.08	0.08	Yes	Yes
15	2.21E+04	3.39E+02	0.13	0.13	Yes	Yes
25	2.02E+04	8.84E+03	0.03	0.03	Yes	Yes
29	2.15E+04	3.77E+02	0.10	0.10	Yes	Yes
35	1.99E+04	1.55E+02	0.02	0.02	Yes	Yes
39	1.64E+04	3.97E+03	-0.16	0.16	Yes	Yes
45	1.94E+04	7.10E+00	-0.01	0.01	Yes	Yes
65	1.83E+04	1.82E+03	-0.07	0.07	Yes	Yes
75	2.29E+04	7.56E+02	0.17	0.17	Yes	Yes
95	N/R	N/R	N/R	N/R	N/R	N/R
97	1.96E+04	3.83E+02	0.00	0.02	Yes	Yes
99	2.09E+04	4.43E+02	0.07	0.07	Yes	Yes

\*Five replicates required for RSME NR = Not reported