

# TRIP Intercomparison Results: December 5, 2011

Second Semester QC Sample Results Reference time: 12:00 EST, October 7, 2011

<sup>125</sup> I	Sample activity (Bq)	Uncertainty (Bq)
Certified value*	2.56E+04	9.40E+02

## I-125 Results

<sup>125</sup> I	Lowest value (Bq) -25%	Highest value (Bq) +50%
ANSI 13.30 acceptance criteria	1.92E+04	3.84E+04

Facility code	Facility average result (Bq)	Facility uncertainty (Bq)	ANSI 13.30 calculated bias	Meets ANSI 13.30 acceptance criteria
5	2.45E+04	2.15E+02	-0.04	Yes
15	2.15E+04	1.27E+02	-0.16	Yes
25	2.45E+04	1.07E+04	-0.04	Yes
29	2.07E+04	8.35E+01	-0.19	Yes
35	2.68E+04	3.29E+03	0.05	Yes
45A	2.45E+04	1.87E+01	-0.04	Yes
45B	2.64E+04	1.96E+01	0.03	Yes
55	3.14E+04	3.90E+02	0.23	Yes
65	NR	NR	NR	NR
75	3.98E+04	8.44E+02	0.55	No
85	1.59E+04	2.79E+02	-0.38	No
87	2.25E+04	2.09E+03	-0.12	Yes
95	2.89E+04	3.78E+03	0.13	Yes
99	2.31E+04	3.92E+03	-0.10	Yes

Bias = (measured value - certified value) / certified value NR = Not reported \*Sample counted using UCB phantom.

<sup>131</sup> I	Sample activity (Bq)	Uncertainty (Bq)
Certified value	3.31E+04	1.20E+03

## I-131 Results

<sup>131</sup> I	Lowest value (Bq) -25%	Highest value (Bq) +50%
ANSI 13.30 acceptance criteria	2.48E+04	4.97E+04

Facility code	Facility average result (Bq)	Facility uncertainty (Bq)	ANSI 13.30 calculated bias	Meets ANSI 13.30 acceptance criteria
5	3.03E+04	3.92E+02	-0.09	Yes
15	NR	NR	NR	NR

29	NR	NR	NR	NR
25	3.45E+04	1.51E+04	0.04	Yes
35	3.24E+04	1.03E+03	−0.02	Yes
45A	3.90E+04	2.05E+01	0.18	Yes
45B	3.30E+04	1.97E+01	0.00	Yes
65	NR	NR	NR	NR
75	3.71E+04	8.14E+02	0.12	Yes
95	3.00E+04	7.90E+03	−0.10	Yes
99	2.63E+04	3.65E+03	−0.20	Yes
Bias = (measured value - certified value) / certified value NR = Not reported				