

# TRIP Intercomparison Results: June 6, 2011

First Semester QC Sample Results Reference time: 12:00 EST, April 1, 2011

<sup>125</sup> I	Sample activity (Bq)	Uncertainty (Bq)
Certified value*	1.58E+04	5.08E+02

## I-125 Results

<sup>125</sup> I	Lowest value (Bq) -25%	Highest value (Bq) +50%
ANSI 13.30 acceptance criteria	1.19E+04	2.38E+04

Facility code	Facility average result (Bq)	Facility uncertainty (Bq)	ANSI 13.30 calculated bias	Meets ANSI 13.30 acceptance criteria
5	1.65E+04	2.15E+02	0.04	Yes
15	1.38E+04	7.90E+01	-0.13	Yes
25	1.55E+04	6.77E+03	-0.02	Yes
29A	1.47E+04	6.66E+00	-0.07	Yes
35	1.49E+04	2.11E+03	-0.06	Yes
45	1.66E+04	2.39E+02	0.05	Yes
55	1.84E+04	2.85E+02	0.16	Yes
65	NR	NR	NR	NR
75	2.47E+04	6.64E+02	0.56	No
85	1.57E+04	3.75E+02	-0.01	Yes
87	1.55E+04	3.74E+02	-0.02	Yes
95	1.57E+04	4.22E+03	-0.01	Yes
99	1.52E+04	2.00E+03	-0.04	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	2.61E+04	3.68E+02

## I-131 Results

<sup>131</sup> I	Lowest value (Bq) -25%	Highest value (Bq) +50%
ANSI 13.30 acceptance criteria	1.96E+04	3.91E+04

Facility code	Facility average result (Bq)	Facility uncertainty (Bq)	ANSI 13.30 calculated bias	Meets ANSI 13.30 acceptance criteria
5	2.46E+04	3.92E+03	-0.06	Yes
15	3.22E+04	2.95E+04	0.23	Yes
25	2.86E+04	1.25E+04	0.09	Yes

29	2.72E+04	8.19E+00	0.04	Yes
35	2.33E+04	1.91E+03	−0.11	Yes
45	2.84E+04	3.14E+02	0.09	Yes
65	NR	NR	NR	NR
75	2.85E+04	7.14E+02	0.09	Yes
95	2.48E+04	6.54E+03	−0.05	Yes
99	2.08E+04	2.17E+03	−0.20	Yes
Bias = (measured value - certified value) / certified value NR = Not reported				