

TRIP Intercomparison Results: July 5, 2017

First Semester QC Sample Results Reference time: 12:00 PDT, March 31, 2017

¹²⁵ I	Sample activity in Bq	Uncertainty in Bq
Certified value	1.56E+04	3.22E+02

I-125 Results

¹²⁵ I	Lowest value – 25%	Highest value +50%	Root Mean Squared Error of relative bias and relative precision
ANSI 13.30 acceptance criteria	1.17E+04	2.34E+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	1.56E+04	3.36E+02	0.00	0.01	Yes	Yes
10	1.58E+04	5.93E+03	0.01	0.02	Yes	Yes
15	1.45E+04	1.57E+03	-0.07	0.10	Yes	Yes
20	NR	NR	NR	NR	NR	NR
25	1.47E+04	6.43E+03	-0.06	0.06	Yes	Yes
29	1.54E+04	1.88E+02	-0.01	0.02	Yes	Yes
30	1.55E+04	1.27E+03	-0.01	0.02	Yes	Yes
35	1.54E+04	1.39E+03	-0.01	0.03	Yes	Yes
39	1.45E+04	4.46E+03	-0.07	0.07	Yes	Yes
40	1.87E+04	2.94E+03	0.20	0.20	Yes	Yes
45	1.49E+04	1.15E+02	-0.04	0.05	Yes	Yes
50	NR	NR	NR	NR	NR	NR
55	1.74E+04	2.81E+02	0.12	0.13	Yes	Yes
65	NR	NR	NR	NR	NR	NR
75	1.40E+04	5.93E+02	-0.10	0.10	Yes	Yes
95	1.51E+04	4.02E+02	-0.03	0.04	Yes	Yes
97	1.56E+04	5.15E+02	0.00	0.01	Yes	Yes
99	1.53E+04	1.11E+03	-0.02	0.05	Yes	Yes

*Five replicates required for RMSE NR = Not reported

¹³¹ I	Sample activity (Bq)	Uncertainty (Bq)
Certified value	2.64E+04	3.85E+02

I-131 Results

