## TRIP Intercomparison Results: July 5, 2017

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

125 <sub> </sub>	Sample activity in Bq	Uncertainty in Bq	
Certified value	1.56E+04	3.22E+02	

## I-125 Results

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

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 Sample activity (Bq)
 Uncertainty (Bq)

 Certified value
 2.64E+04
 3.85E+02

Lowest value (Bq) – 25%		Highest value (Bq) +50%	oot Mean Squared Error of relative bias and relative recision	
ANSI 13.30 acceptance criteria	1.98E+04	3.95E+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	2.37E+04	2.13E+02	-0.10	0.10	Yes	Yes
10A	2.48E+04	2.27E+03	-0.06	0.06	Yes	Yes
10B	2.56E+04	2.21E+03	-0.03	0.03	Yes	Yes
10C	2.47E+04	3.00E+03	-0.06	0.07	Yes	Yes
15	2.39E+04	3.80E+02	-0.09	0.09	Yes	Yes
20	2.29E+04	2.10E+03	-0.13	0.13	Yes	Yes
25	2.61E+04	1.14E+04	-0.01	0.01	Yes	Yes
29	2.98E+04	8.06E+02	0.13	0.13	Yes	Yes
30	2.56E+04	1.54E+03	-0.03	0.05	Yes	Yes
35	2.64E+04	2.38E+02	0.00	0.00	Yes	Yes
39	2.33E+04	5.69E+03	-0.12	0.12	Yes	Yes
40	2.70E+04	4.08E+03	0.02	0.03	Yes	Yes
45	2.21E+04	1.30E+02	-0.16	0.16	Yes	Yes
50	NR	NR	NR	NR	NR	NR
55	NR	NR	NR	NR	NR	NR
65	NR	NR	NR	NR	NR	NR
75	2.53E+04	7.95E+02	-0.04	0.06	Yes	Yes
95	2.57E+04	1.54E+03	-0.03	0.03	Yes	Yes
97	2.61E+04	6.44E+02	-0.01	0.01	Yes	Yes
99	2.63E+04	4.29E+02	0.00	0.01	Yes	Yes

\*Five replicates required for RMSE NR = Not reported