Library Reference 7.3

Ultra low-level mercury sampling, Onondaga Lake 2011

Sampling Event	Location and Depth	Total Hg (ng/l)	Methyl Hg (ng/l)	Detection Limits Total Hg	Detection Limits Methyl Hg
April 19, 2011	South Deep 3 m	1.7	0.064	0.5	0.05
Lake fully mixed	South Deep 18 m	1.39	0.062		
	South Deep 18 m Dup	1.32	<0.05		
	North Deep 3 m	1.32	0.056		
	North Deep 18 m	1.32	<0.05		
August 9, 2011	South Deep 3 m	1.71	0.094	0.5	0.05
Stratified	South Deep 18 m	1.85	0.137		
	South Deep 18 m Dup	0.73	0.141		
	North Deep 3 m	1.47	0.085		
	North Deep 18 m	13.7	0.257		
October 24, 2011	South Deep 3 m	1.2	0.058	0.5	0.05
Lake fully mixed	South Deep 18 m	0.98	0.067		
	South Deep 18 m Dup	0.99	0.06		
	North Deep 3 m	1	0.064		
	North Deep 18 m	1	0.071		

Notes:

Ultra low-level mercury (EPA method 1631) and methyl mercury (EPA method 1630) were performed on the dates and by the labs listed below

Detection limit is shown as minimum reportable limit (MRL).

Duplicate RPDs - the target for field duplicate RPDs is not to exceed 20%:

04/19/2011 - Hg = 5.2%; MHg = na (non-detect); Frontier Global Sciences

08/09/2011 - Hg = 87%; MHg = 3%; ; Frontier Global Sciences

10/24/2011 - Hg = 1.0%; MHg = 11%; Test America