Library Reference 7.4

Ultra low-level mercury sampling, Onondaga Lake 2010

Sampling Event	Location and Depth	Total Hg (ng/l)	Methyl Hg (ng/l)	Detection Limits Total Hg	Detection Limits Methyl Hg
April 20, 2010	South Deep 3 m	2.93	<0.05	0.5	0.05
Lake fully mixed	South Deep 18 m	1.85	<0.05		
	South Deep 18 m Dup	1.68	<0.05		
	North Deep 3 m	1.31	0.05		
	North Deep 18 m	1.23	0.058		
August 31, 2010	South Deep 3 m	2.32	0.205	0.5	0.05
Stratified	South Deep 18 m	1.97	0.207		
	South Deep 18 m Dup	1.45	0.24		
	North Deep 3 m	1.09	0.158		
	North Deep 18 m	1.56	0.268		
October 26, 2010	South Deep 3 m	1.12	0.131	0.5	0.05
Lake fully mixed	South Deep 18 m	2.21	0.112		
	South Deep 18 m Dup	2.12	0.101		
	North Deep 3 m	1.41	0.136		
	North Deep 18 m	7.8	0.132		

Notes:

na - sample not analyzed due to quality control issues with sample delivery (cooler temperature and holding time)

Ultra low-level mercury analyses (EPA Method 1631) were performed by Frontier Global Sciences, Inc.

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

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

04/20/2010 - Hg = 9.6%; MHg = na (non-detect)

08/31/2010 - Hg = 30%; MHg = 15%

10/26/2010 - Hg = 4.2%; MHg = 10%